TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-17810-1

Job Description: RVAAP - ECC

For:
Environmental Chemical Corp.
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Attention: Mr. Jackson Kiker

Approved for release.
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12/24/2012 4:59 PM

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CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-17810-1

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

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

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

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

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

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

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

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

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

RECEIPT

The samples were received on 11/17/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.2 and 2.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 076SB-0068M-0001-SO (240-17810-1), 076SB-0069M-0001-SO (240-17810-2), 076SB-0070M-0001-SO (240-17810-3), 076SB-0071M-0001-SO (240-17810-4), 076SB-0072M-0001-SO (240-17810-5), 076SB-0073M-0001-SO (240-17810-6) and 076SB-0074M-0001-SO (240-17810-7) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were prepared on 11/17/2012 and analyzed on 11/27/2012.

Acetone and Toluene were detected in method blank MB 240-66419/12 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Acetone failed the recovery criteria high for MRL 240-66419/22. Acetone and Bromoform failed the recovery criteria high for MRL 240-66419/5. Refer to the QC report for details.

The continuing calibration verification (CCV) for analytical batch 66419 exceeded control criteria for Acetone. The data have been qualified and reported.

Acetone percent recoveries failed high for the QCMRL opener and closer. Acetone is a common lab contaminant which can be effected at lower concentration by varying levels of acetone contamination.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 66419 on these samples 076SB-0068M-0001-SO (240-17810-1), 076SB-0069M-0001-SO (240-17810-2), 076SB-0070M-0001-SO (240-17810-3), 076SB-0071M-0001-SO (240-17810-4), 076SB-0072M-0001-SO (240-17810-5), 076SB-0073M-0001-SO (240-17810-6),

076SB-0074M-0001-SO (240-17810-7).

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 076SB-0075-0001-TB (240-17810-8) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B DoD. The samples were analyzed on 11/21/2012.

Methylene Chloride was detected in method blank MB 240-65929/6 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Acetone failed the recovery criteria low for MRL 240-65929/20. Methylene Chloride failed the recovery criteria high. Acetone and Styrene failed the recovery criteria low for MRL 240-65929/7. Methylene Chloride failed the recovery criteria high. Refer to the QC report for details.

The method blank for batch 65929 contained Methylene Chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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

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

Samples 076SB-0068M-0001-SO (240-17810-1), 076SB-0069M-0001-SO (240-17810-2), 076SB-0070M-0001-SO (240-17810-3), 076SB-0071M-0001-SO (240-17810-4), 076SB-0072M-0001-SO (240-17810-5), 076SB-0073M-0001-SO (240-17810-6) and 076SB-0074M-0001-SO (240-17810-7) were analyzed for semivolatile organic compounds (GC-MS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8270 DoD. The samples began the drying and disaggregation process on 11/19/2012, were prepared on 11/28/2012 and analyzed on 12/06/2012.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-66569/21-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

4-Chloroaniline failed the recovery criteria low for the MS of sample 076SB-0074M-0001-SOMS (240-17810-7) in batch 240-67544.

2,4-Dinitrophenol failed the recovery criteria low for the MSD of sample 076SB-0074M-0001-SOMSD (240-17810-7) in batch 240-67544. 2,4-Dinitrophenol and 4-Chloroaniline exceeded the rpd limit.

Samples 076SB-0068M-0001-SO (240-17810-1)[10X], 076SB-0069M-0001-SO (240-17810-2)[2.5X], 076SB-0070M-0001-SO (240-17810-3)[10X], 076SB-0071M-0001-SO (240-17810-4)[2.5X], 076SB-0072M-0001-SO (240-17810-5)[2.5X], 076SB-0073M-0001-SO (240-17810-6)[2.5X] and 076SB-0074M-0001-SO (240-17810-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) was diluted due to the nature of the sample matrix: (240-17810-7 MS), (240-17810-7 MSD), 076SB-0068M-0001-SO (240-17810-1), 076SB-0069M-0001-SO (240-17810-2), 076SB-0070M-0001-SO (240-17810-3), 076SB-0071M-0001-SO (240-17810-4), 076SB-0072M-0001-SO (240-17810-5), 076SB-0073M-0001-SO (240-17810-6), 076SB-0074M-0001-SO (240-17810-7). Elevated reporting limits (RLs) are provided.

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

MERCURY WITH INCREMENTAL SAMPLE PREPARATION

Samples 076SB-0068M-0001-SO (240-17810-1), 076SB-0069M-0001-SO (240-17810-2), 076SB-0070M-0001-SO (240-17810-3), 076SB-0071M-0001-SO (240-17810-4), 076SB-0072M-0001-SO (240-17810-5), 076SB-0073M-0001-SO (240-17810-6) and 076SB-0074M-0001-SO (240-17810-7) were analyzed for mercury with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 7471A DOD. The samples began the drying and disaggregation process on 11/19/2012, were prepared on 11/28/2012 and analyzed on 11/30/2012.

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

HEXAVALENT CHROMIUM

Samples 076SB-0076-0001-SO (240-17810-9), 076SB-0077-0001-SO (240-17810-10), 076SB-0078-0001-SO (240-17810-11), 076SB-0079-0001-SO (240-17810-12), 076SB-0080-0001-SO (240-17810-13), 076SB-0081-0001-SO (240-17810-14), 076SB-0082-0001-SO (240-17810-15), 076SB-0083-0001-SO (240-17810-16), 076SB-0084-0001-SO (240-17810-17), 076SB-0085-0001-SO (240-17810-18), 076SB-0086-0001-SO (240-17810-19), 076SB-0087-0001-SO (240-17810-20), 076SB-0088-0001-SO (240-17810-21) and 076SB-0089-0001-SO (240-17810-22) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were leached on 11/19/2012, prepared on 12/06/2012 and analyzed on 12/07/2012.

Samples 076SB-0084-0001-SO (240-17810-17)[5X], 076SB-0085-0001-SO (240-17810-18)[5X] and 076SB-0088-0001-SO (240-17810-21)[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Even though the method of standard addition was used when analyzing the associated hexavalent chromium solids samples, very little or

no recovery was obtained. The samples turned a yellow color upon addition of the color reagent instead of the pink color that develops in the presence of cr6. The samples were diluted and re-analyzed in an attempt to reduce some of the matrix interference. Samples are non-detect at an elevated reporting limit.

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

PERCENT SOLIDS

Samples 076SB-0068M-0001-SO (240-17810-1), 076SB-0069M-0001-SO (240-17810-2), 076SB-0070M-0001-SO (240-17810-3), 076SB-0071M-0001-SO (240-17810-4), 076SB-0072M-0001-SO (240-17810-5), 076SB-0073M-0001-SO (240-17810-6), 076SB-0074M-0001-SO (240-17810-7), 076SB-0076-0001-SO (240-17810-9), 076SB-0077-0001-SO (240-17810-10), 076SB-0078-0001-SO (240-17810-11), 076SB-0079-0001-SO (240-17810-12), 076SB-0080-0001-SO (240-17810-13), 076SB-0081-0001-SO (240-17810-14), 076SB-0082-0001-SO (240-17810-15), 076SB-0083-0001-SO (240-17810-16), 076SB-0084-0001-SO (240-17810-17), 076SB-0085-0001-SO (240-17810-18), 076SB-0086-0001-SO (240-17810-19), 076SB-0087-0001-SO (240-17810-20), 076SB-0088-0001-SO (240-17810-21) and 076SB-0089-0001-SO (240-17810-22) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 11/29/2012 and 12/07/2012.

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 64102

Lab Sample ID: STD5 240-64102/2 IC Client Sample ID:

Date Analyzed: 11/07/12 11:44 Lab File ID: 21107002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.51	Poor Chromatography	gruberj	11/07/12 14:47

Lab Sample ID: STD3 240-64102/4 IC Client Sample ID:

Date Analyzed: 11/07/12 12:31 Lab File ID: 21107004.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.51	Poor Chromatography	gruberj	11/07/12 14:47
Pyridine	3.02	Poor Chromatography	gruberj	11/07/12 14:49

Lab Sample ID: STD2 240-64102/5 IC Client Sample ID:

Date Analyzed: 11/07/12 12:54 Lab File ID: 21107005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.51	Poor Chromatography	gruberj	11/07/12 14:50
N-Nitrosodimethylamine	2.97	Poor Chromatography	gruberj	11/07/12 14:50
Pyridine	3.03	Poor Chromatography	gruberj	11/07/12 14:50
Ethyl methacrylate	3.63	Poor Chromatography	gruberj	11/07/12 14:50
Malononitrile	4.34	Poor Chromatography	gruberj	11/07/12 14:50

Lab Sample ID: STD1 240-64102/6 IC Client Sample ID:

Date Analyzed: 11/07/12 13:18 Lab File ID: 21107006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.02	Poor Chromatography	gruberj	11/07/12 14:51
Dibenz(a,h)anthracene	16.05	Poor Chromatography	gruberj	11/07/12 14:51
Benzo[g,h,i]perylene	16.45	Poor Chromatography	gruberj	11/07/12 14:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 64102

Lab Sample ID: STD6 240-64102/10 ICIS Client Sample ID:

Date Analyzed: 11/07/12 14:51 Lab File ID: 21107010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.50	Poor Chromatography	gruberj	11/07/12 15:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 67544

Lab Sample ID: 240-17810-1 Client Sample ID: 076SB-0068M-0001-SO

Date Analyzed: 12/06/12 14:00 Lab File ID: 21206014.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene	13.95	Poor Chromatography	gruberj	12/06/12 14:44

Lab Sample ID: 240-17810-5 Client Sample ID: 076SB-0072M-0001-SO

Date Analyzed: 12/06/12 17:30 Lab File ID: 21206023.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	13.48	Poor Chromatography	gruberj	12/07/12 10:37

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 12/06/12 18:39 Lab File ID: 21206026.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol (Surr)	4.47	Poor Chromatography	gruberj	12/07/12 12:45
Indeno[1,2,3-cd]pyrene	15.63	Poor Chromatography	gruberj	12/07/12 12:45
Benzo[g,h,i]perylene	16.02	Poor Chromatography	gruberj	12/07/12 12:45

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 12/06/12 19:03 Lab File ID: 21206027.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.48	Poor Chromatography	gruberj	12/07/12 12:52

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-17810-1	076SB-0068M-0001-SO	Solid	11/16/2012 0940	11/17/2012 1120
240-17810-2	076SB-0069M-0001-SO	Solid	11/16/2012 0940	11/17/2012 1120
240-17810-3	076SB-0070M-0001-SO	Solid	11/16/2012 0925	11/17/2012 1120
240-17810-4	076SB-0071M-0001-SO	Solid	11/16/2012 0915	11/17/2012 1120
240-17810-5	076SB-0072M-0001-SO	Solid	11/16/2012 0905	11/17/2012 1120
240-17810-6	076SB-0073M-0001-SO	Solid	11/16/2012 0900	11/17/2012 1120
240-17810-7	076SB-0074M-0001-SO	Solid	11/16/2012 0935	11/17/2012 1120
240-17810-8	076SB-0075-0001-TB	Water	11/16/2012 0800	11/17/2012 1120
240-17810-9	076SB-0076-0001-SO	Solid	11/16/2012 1145	11/17/2012 1120
240-17810-9DU	076SB-0076-0001-SO	Solid	11/16/2012 1145	11/17/2012 1120
240-17810-10	076SB-0077-0001-SO	Solid	11/16/2012 1200	11/17/2012 1120
240-17810-11	076SB-0078-0001-SO	Solid	11/16/2012 1215	11/17/2012 1120
240-17810-12	076SB-0079-0001-SO	Solid	11/16/2012 1600	11/17/2012 1120
240-17810-13	076SB-0080-0001-SO	Solid	11/16/2012 1525	11/17/2012 1120
240-17810-14	076SB-0081-0001-SO	Solid	11/16/2012 1550	11/17/2012 1120
240-17810-15	076SB-0082-0001-SO	Solid	11/16/2012 1400	11/17/2012 1120
240-17810-16	076SB-0083-0001-SO	Solid	11/16/2012 1620	11/17/2012 1120
240-17810-17	076SB-0084-0001-SO	Solid	11/16/2012 1650	11/17/2012 1120
240-17810-18	076SB-0085-0001-SO	Solid	11/16/2012 1700	11/17/2012 1120
240-17810-19	076SB-0086-0001-SO	Solid	11/16/2012 1245	11/17/2012 1120
240-17810-20	076SB-0087-0001-SO	Solid	11/16/2012 1720	11/17/2012 1120
240-17810-21	076SB-0088-0001-SO	Solid	11/16/2012 1640	11/17/2012 1120
240-17810-22	076SB-0089-0001-SO	Solid	11/16/2012 1145	11/17/2012 1120

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-1	**076SB-0068M-0001-SO**					
2-Butanone (MEK)		5.9	J	20	ug/Kg	8260B/DoD
Acetone		36	B	20	ug/Kg	8260B/DoD
Benzo[a]pyrene		99	D M	68	ug/Kg	8270C/DoD
Fluoranthene		80	D	68	ug/Kg	8270C/DoD
Pyrene		57	J D	68	ug/Kg	8270C/DoD
Hg		0.015	J	0.095	mg/Kg	7471/DOD
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
240-17810-2	**076SB-0069M-0001-SO**					
Carbon disulfide		2.9	J	4.9	ug/Kg	8260B/DoD
Fluoranthene		13	J	17	ug/Kg	8270C/DoD
2-Methylnaphthalene		11	J	17	ug/Kg	8270C/DoD
Naphthalene		9.7	J	17	ug/Kg	8270C/DoD
Phenanthrene		27		17	ug/Kg	8270C/DoD
Pyrene		9.9	J	17	ug/Kg	8270C/DoD
Hg		0.025	J	0.094	mg/Kg	7471/DOD
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-17810-3	**076SB-0070M-0001-SO**					
2-Butanone (MEK)		7.3	J	21	ug/Kg	8260B/DoD
Acetone		34	B	21	ug/Kg	8260B/DoD
Carbon disulfide		3.1	J	5.2	ug/Kg	8260B/DoD
Toluene		0.33	J	5.2	ug/Kg	8260B/DoD
Fluoranthene		38	J D	67	ug/Kg	8270C/DoD
Pyrene		33	J D	67	ug/Kg	8270C/DoD
Hg		0.026	J	0.098	mg/Kg	7471/DOD
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-17810-4	**076SB-0071M-0001-SO**					
2-Butanone (MEK)		5.3	J	12	ug/Kg	8260B/DoD
Acetone		39	B	12	ug/Kg	8260B/DoD
Carbon disulfide		1.7	J	2.9	ug/Kg	8260B/DoD
Bis(2-ethylhexyl) phthalate		49	J	130	ug/Kg	8270C/DoD
Phenanthrene		8.5	J	17	ug/Kg	8270C/DoD
Hg		0.023	J	0.11	mg/Kg	7471/DOD
Percent Solids		77		0.10	%	Moisture
Percent Moisture		23		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-5	**076SB-0072M-0001-SO**					
Benzo[a]pyrene		28		17	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		12	J M	17	ug/Kg	8270C/DoD
Fluoranthene		20		17	ug/Kg	8270C/DoD
Pyrene		15	J	17	ug/Kg	8270C/DoD
Hg		0.032	J	0.091	mg/Kg	7471/DOD
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-17810-6	**076SB-0073M-0001-SO**					
2-Butanone (MEK)		12	J	25	ug/Kg	8260B/DoD
Acetone		75	B	25	ug/Kg	8260B/DoD
Carbon disulfide		3.9	J	6.3	ug/Kg	8260B/DoD
Hg		0.029	J	0.11	mg/Kg	7471/DOD
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-17810-7	**076SB-0074M-0001-SO**					
2-Butanone (MEK)		19	J	24	ug/Kg	8260B/DoD
Acetone		100	B	24	ug/Kg	8260B/DoD
Benzene		0.31	J	6.0	ug/Kg	8260B/DoD
Carbon disulfide		3.7	J	6.0	ug/Kg	8260B/DoD
Toluene		0.33	J	6.0	ug/Kg	8260B/DoD
Hg		0.024	J	0.10	mg/Kg	7471/DOD
Percent Solids		77		0.10	%	Moisture
Percent Moisture		23		0.10	%	Moisture
240-17810-8	**076SB-0075-0001-TB**					
Methylene Chloride		0.36	J B	1.0	ug/L	8260B/DoD
240-17810-9	**076SB-0076-0001-SO**					
Cr (VI)		0.33	J	0.80	mg/Kg	7196A
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture
240-17810-10	**076SB-0077-0001-SO**					
Cr (VI)		0.61	J	0.80	mg/Kg	7196A
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-11	**076SB-0078-0001-SO**					
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.0		0.10	%	Moisture
240-17810-12	**076SB-0079-0001-SO**					
Percent Solids		98		0.10	%	Moisture
Percent Moisture		2.3		0.10	%	Moisture
240-17810-13	**076SB-0080-0001-SO**					
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.5		0.10	%	Moisture
240-17810-14	**076SB-0081-0001-SO**					
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture
240-17810-15	**076SB-0082-0001-SO**					
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.5		0.10	%	Moisture
240-17810-16	**076SB-0083-0001-SO**					
Percent Solids		98		0.10	%	Moisture
Percent Moisture		2.0		0.10	%	Moisture
240-17810-17	**076SB-0084-0001-SO**					
Cr (VI)		1.8	J D	4.0	mg/Kg	7196A
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture
240-17810-18	**076SB-0085-0001-SO**					
Cr (VI)		1.4	J D	4.0	mg/Kg	7196A
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.9		0.10	%	Moisture
240-17810-19	**076SB-0086-0001-SO**					
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17810-20	**076SB-0087-0001-SO**					
Cr (VI)		0.50	J	0.80	mg/Kg	7196A
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture
240-17810-21	**076SB-0088-0001-SO**					
Cr (VI)		7.1	J D	20	mg/Kg	7196A
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture
240-17810-22	**076SB-0089-0001-SO**					
Cr (VI)		0.45	J	0.80	mg/Kg	7196A
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.7		0.10	%	Moisture

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Closed System Purge and Trap	TAL NC		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction	TAL NC		SW846 3540C
Mercury (CVAA)	TAL NC	SW846 7471/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Preparation, Mercury	TAL NC		SW846 7471A
Chromium, Hexavalent	TAL NC	SW846 7196A	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Alkaline Digestion (Chromium, Hexavalent)	TAL NC		SW846 3060A
Percent Moisture	TAL NC	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Purge and Trap	TAL NC		SW846 5030B

Lab References:

TAL NC = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Macenczak, Steven	SM
SW846 8260B/DoD	Quayle, Rick	RQ
SW846 8270C/DoD	Gruber, John	JG
SW846 7471/DOD	Heakin, David	DH
SW846 7196A	Grossman, Lucas	LG
EPA Moisture	Burns, Jill	JB
EPA Moisture	Nicholas, Courtney	CN

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0068M-0001-SO**

Lab Sample ID: 240-17810-1 Date Sampled: 11/16/2012 0940
Client Matrix: Solid % Moisture: 18.1 Date Received: 11/17/2012 1120

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149477.D
Dilution:	1.0			Initial Weight/Volume:	6.248 g
Analysis Date:	11/27/2012 1451			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.98	U	0.55	4.9
1,1,2,2-Tetrachloroethane		0.49	U	0.33	4.9
1,1,2-Trichloroethane		0.49	U	0.38	4.9
1,1-Dichloroethane		0.49	U	0.35	4.9
1,1-Dichloroethene		0.98	U	0.51	4.9
1,2-Dibromoethane		0.98	U	0.49	4.9
1,2-Dichloroethane		0.49	U	0.33	4.9
1,2-Dichloroethene, Total		0.98	U	0.75	9.8
1,2-Dichloropropane		0.98	U	0.67	4.9
2-Butanone (MEK)		5.9	J	1.4	20
2-Hexanone		0.98	U	0.62	20
4-Methyl-2-pentanone (MIBK)		0.98	U	0.53	20
Acetone		36	B	6.2	20
Benzene		0.49	U	0.22	4.9
Bromochloromethane		0.98	U	0.69	4.9
Bromodichloromethane		0.49	U	0.27	4.9
Bromoform		0.49	U	0.32	4.9
Bromomethane		0.98	U	0.53	4.9
Carbon disulfide		0.49	U	0.43	4.9
Carbon tetrachloride		0.49	U	0.36	4.9
Chlorobenzene		0.49	U	0.32	4.9
Chloroethane		0.98	U	0.84	4.9
Chloroform		0.49	U	0.28	4.9
Chloromethane		0.49	U	0.40	4.9
cis-1,3-Dichloropropene		0.49	U	0.33	4.9
Dibromochloromethane		0.98	U	0.54	4.9
Ethylbenzene		0.49	U	0.25	4.9
Methyl tert-butyl ether		0.49	U	0.42	4.9
Methylene Chloride		0.98	U	0.65	4.9
Styrene		0.49	U	0.15	4.9
Tetrachloroethene		0.98	U	0.51	4.9
Toluene		0.49	U	0.26	4.9
trans-1,3-Dichloropropene		0.98	U	0.53	4.9
Trichloroethene		0.49	U	0.41	4.9
Vinyl chloride		0.49	U	0.38	4.9
Xylenes, Total		1.5	U	0.65	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		61 - 130
4-Bromofluorobenzene (Surr)	88		85 - 120
Dibromofluoromethane (Surr)	81		59 - 138
Toluene-d8 (Surr)	91		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0069M-0001-SO**

Lab Sample ID: 240-17810-2 Date Sampled: 11/16/2012 0940
Client Matrix: Solid % Moisture: 13.8 Date Received: 11/17/2012 1120

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149478.D
Dilution:	1.0			Initial Weight/Volume:	5.963 g
Analysis Date:	11/27/2012 1512			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.97	U	0.54	4.9
1,1,2,2-Tetrachloroethane		0.49	U	0.33	4.9
1,1,2-Trichloroethane		0.49	U	0.38	4.9
1,1-Dichloroethane		0.49	U	0.35	4.9
1,1-Dichloroethene		0.97	U	0.51	4.9
1,2-Dibromoethane		0.97	U	0.49	4.9
1,2-Dichloroethane		0.49	U	0.33	4.9
1,2-Dichloroethene, Total		0.97	U	0.75	9.7
1,2-Dichloropropane		0.97	U	0.67	4.9
2-Butanone (MEK)		1.9	U	1.4	19
2-Hexanone		0.97	U	0.61	19
4-Methyl-2-pentanone (MIBK)		0.97	U	0.53	19
Acetone		6.1	U	6.1	19
Benzene		0.49	U	0.22	4.9
Bromochloromethane		0.97	U	0.69	4.9
Bromodichloromethane		0.49	U	0.27	4.9
Bromoform		0.49	U	0.32	4.9
Bromomethane		0.97	U	0.53	4.9
Carbon disulfide		2.9	J	0.43	4.9
Carbon tetrachloride		0.49	U	0.36	4.9
Chlorobenzene		0.49	U	0.32	4.9
Chloroethane		0.97	U	0.84	4.9
Chloroform		0.49	U	0.28	4.9
Chloromethane		0.49	U	0.40	4.9
cis-1,3-Dichloropropene		0.49	U	0.33	4.9
Dibromochloromethane		0.97	U	0.53	4.9
Ethylbenzene		0.49	U	0.25	4.9
Methyl tert-butyl ether		0.49	U	0.42	4.9
Methylene Chloride		0.97	U	0.65	4.9
Styrene		0.49	U	0.15	4.9
Tetrachloroethene		0.97	U	0.51	4.9
Toluene		0.49	U	0.26	4.9
trans-1,3-Dichloropropene		0.97	U	0.53	4.9
Trichloroethene		0.49	U	0.41	4.9
Vinyl chloride		0.49	U	0.38	4.9
Xylenes, Total		1.5	U	0.65	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		61 - 130
4-Bromofluorobenzene (Surr)	86		85 - 120
Dibromofluoromethane (Surr)	82		59 - 138
Toluene-d8 (Surr)	89		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0070M-0001-SO**

Lab Sample ID: 240-17810-3 Date Sampled: 11/16/2012 0925
Client Matrix: Solid % Moisture: 15.1 Date Received: 11/17/2012 1120

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149479.D
Dilution:	1.0			Initial Weight/Volume:	5.714 g
Analysis Date:	11/27/2012 1534			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.0	U	0.58	5.2
1,1,2,2-Tetrachloroethane		0.52	U	0.35	5.2
1,1,2-Trichloroethane		0.52	U	0.40	5.2
1,1-Dichloroethane		0.52	U	0.37	5.2
1,1-Dichloroethene		1.0	U	0.54	5.2
1,2-Dibromoethane		1.0	U	0.52	5.2
1,2-Dichloroethane		0.52	U	0.35	5.2
1,2-Dichloroethene, Total		1.0	U	0.79	10
1,2-Dichloropropane		1.0	U	0.71	5.2
2-Butanone (MEK)		7.3	J	1.4	21
2-Hexanone		1.0	U	0.65	21
4-Methyl-2-pentanone (MIBK)		1.0	U	0.56	21
Acetone		34	B	6.5	21
Benzene		0.52	U	0.24	5.2
Bromochloromethane		1.0	U	0.73	5.2
Bromodichloromethane		0.52	U	0.29	5.2
Bromoform		0.52	U	0.34	5.2
Bromomethane		1.0	U	0.56	5.2
Carbon disulfide		3.1	J	0.45	5.2
Carbon tetrachloride		0.52	U	0.38	5.2
Chlorobenzene		0.52	U	0.34	5.2
Chloroethane		1.0	U	0.89	5.2
Chloroform		0.52	U	0.30	5.2
Chloromethane		0.52	U	0.42	5.2
cis-1,3-Dichloropropene		0.52	U	0.35	5.2
Dibromochloromethane		1.0	U	0.57	5.2
Ethylbenzene		0.52	U	0.27	5.2
Methyl tert-butyl ether		0.52	U	0.44	5.2
Methylene Chloride		1.0	U	0.69	5.2
Styrene		0.52	U	0.15	5.2
Tetrachloroethene		1.0	U	0.54	5.2
Toluene		0.33	J	0.28	5.2
trans-1,3-Dichloropropene		1.0	U	0.56	5.2
Trichloroethene		0.52	U	0.43	5.2
Vinyl chloride		0.52	U	0.40	5.2
Xylenes, Total		1.5	U	0.69	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		61 - 130
4-Bromofluorobenzene (Surr)	91		85 - 120
Dibromofluoromethane (Surr)	82		59 - 138
Toluene-d8 (Surr)	95		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0071M-0001-SO**

Lab Sample ID: 240-17810-4 Date Sampled: 11/16/2012 0915
Client Matrix: Solid % Moisture: 22.6 Date Received: 11/17/2012 1120

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149480.D
Dilution:	1.0			Initial Weight/Volume:	11.028 g
Analysis Date:	11/27/2012 1555			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.59	U	0.33	2.9
1,1,2,2-Tetrachloroethane		0.29	U	0.20	2.9
1,1,2-Trichloroethane		0.29	U	0.23	2.9
1,1-Dichloroethane		0.29	U	0.21	2.9
1,1-Dichloroethene		0.59	U	0.30	2.9
1,2-Dibromoethane		0.59	U	0.29	2.9
1,2-Dichloroethane		0.29	U	0.20	2.9
1,2-Dichloroethene, Total		0.59	U	0.45	5.9
1,2-Dichloropropane		0.59	U	0.40	2.9
2-Butanone (MEK)		5.3	J	0.82	12
2-Hexanone		0.59	U	0.37	12
4-Methyl-2-pentanone (MIBK)		0.59	U	0.32	12
Acetone		39	B	3.7	12
Benzene		0.29	U	0.13	2.9
Bromochloromethane		0.59	U	0.42	2.9
Bromodichloromethane		0.29	U	0.16	2.9
Bromoform		0.29	U	0.19	2.9
Bromomethane		0.59	U	0.32	2.9
Carbon disulfide		1.7	J	0.26	2.9
Carbon tetrachloride		0.29	U	0.22	2.9
Chlorobenzene		0.29	U	0.19	2.9
Chloroethane		0.59	U	0.50	2.9
Chloroform		0.29	U	0.17	2.9
Chloromethane		0.29	U	0.24	2.9
cis-1,3-Dichloropropene		0.29	U	0.20	2.9
Dibromochloromethane		0.59	U	0.32	2.9
Ethylbenzene		0.29	U	0.15	2.9
Methyl tert-butyl ether		0.29	U	0.25	2.9
Methylene Chloride		0.59	U	0.39	2.9
Styrene		0.29	U	0.088	2.9
Tetrachloroethene		0.59	U	0.30	2.9
Toluene		0.29	U	0.16	2.9
trans-1,3-Dichloropropene		0.59	U	0.32	2.9
Trichloroethene		0.29	U	0.25	2.9
Vinyl chloride		0.29	U	0.23	2.9
Xylenes, Total		0.88	U	0.39	5.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		61 - 130
4-Bromofluorobenzene (Surr)	94		85 - 120
Dibromofluoromethane (Surr)	87		59 - 138
Toluene-d8 (Surr)	96		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0072M-0001-SO**

Lab Sample ID: 240-17810-5 Date Sampled: 11/16/2012 0905
Client Matrix: Solid % Moisture: 19.9 Date Received: 11/17/2012 1120

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149486.D
Dilution:	1.0			Initial Weight/Volume:	6.407 g
Analysis Date:	11/27/2012 1805			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.97	U	0.55	4.9
1,1,2,2-Tetrachloroethane		0.49	U	0.33	4.9
1,1,2-Trichloroethane		0.49	U	0.38	4.9
1,1-Dichloroethane		0.49	U	0.35	4.9
1,1-Dichloroethene		0.97	U	0.51	4.9
1,2-Dibromoethane		0.97	U	0.49	4.9
1,2-Dichloroethane		0.49	U	0.33	4.9
1,2-Dichloroethene, Total		0.97	U	0.75	9.7
1,2-Dichloropropane		0.97	U	0.67	4.9
2-Butanone (MEK)		1.9	U	1.4	19
2-Hexanone		0.97	U	0.61	19
4-Methyl-2-pentanone (MIBK)		0.97	U	0.53	19
Acetone		6.1	U	6.1	19
Benzene		0.49	U	0.22	4.9
Bromochloromethane		0.97	U	0.69	4.9
Bromodichloromethane		0.49	U	0.27	4.9
Bromoform		0.49	U	0.32	4.9
Bromomethane		0.97	U	0.53	4.9
Carbon disulfide		0.49	U	0.43	4.9
Carbon tetrachloride		0.49	U	0.36	4.9
Chlorobenzene		0.49	U	0.32	4.9
Chloroethane		0.97	U	0.84	4.9
Chloroform		0.49	U	0.28	4.9
Chloromethane		0.49	U	0.40	4.9
cis-1,3-Dichloropropene		0.49	U	0.33	4.9
Dibromochloromethane		0.97	U	0.54	4.9
Ethylbenzene		0.49	U	0.25	4.9
Methyl tert-butyl ether		0.49	U	0.42	4.9
Methylene Chloride		0.97	U	0.65	4.9
Styrene		0.49	U	0.15	4.9
Tetrachloroethene		0.97	U	0.51	4.9
Toluene		0.49	U	0.26	4.9
trans-1,3-Dichloropropene		0.97	U	0.53	4.9
Trichloroethene		0.49	U	0.41	4.9
Vinyl chloride		0.49	U	0.38	4.9
Xylenes, Total		1.5	U	0.65	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		61 - 130
4-Bromofluorobenzene (Surr)	85		85 - 120
Dibromofluoromethane (Surr)	81		59 - 138
Toluene-d8 (Surr)	90		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0073M-0001-SO**

Lab Sample ID: 240-17810-6 Date Sampled: 11/16/2012 0900
Client Matrix: Solid % Moisture: 16.1 Date Received: 11/17/2012 1120

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149482.D
Dilution:	1.0			Initial Weight/Volume:	4.712 g
Analysis Date:	11/27/2012 1638			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.3	U	0.71	6.3
1,1,2,2-Tetrachloroethane		0.63	U	0.43	6.3
1,1,2-Trichloroethane		0.63	U	0.49	6.3
1,1-Dichloroethane		0.63	U	0.46	6.3
1,1-Dichloroethene		1.3	U	0.66	6.3
1,2-Dibromoethane		1.3	U	0.63	6.3
1,2-Dichloroethane		0.63	U	0.43	6.3
1,2-Dichloroethene, Total		1.3	U	0.97	13
1,2-Dichloropropane		1.3	U	0.87	6.3
2-Butanone (MEK)		12	J	1.8	25
2-Hexanone		1.3	U	0.80	25
4-Methyl-2-pentanone (MIBK)		1.3	U	0.68	25
Acetone		75	B	8.0	25
Benzene		0.63	U	0.29	6.3
Bromochloromethane		1.3	U	0.90	6.3
Bromodichloromethane		0.63	U	0.35	6.3
Bromoform		0.63	U	0.42	6.3
Bromomethane		1.3	U	0.68	6.3
Carbon disulfide		3.9	J	0.56	6.3
Carbon tetrachloride		0.63	U	0.47	6.3
Chlorobenzene		0.63	U	0.42	6.3
Chloroethane		1.3	U	1.1	6.3
Chloroform		0.63	U	0.37	6.3
Chloromethane		0.63	U	0.52	6.3
cis-1,3-Dichloropropene		0.63	U	0.43	6.3
Dibromochloromethane		1.3	U	0.70	6.3
Ethylbenzene		0.63	U	0.33	6.3
Methyl tert-butyl ether		0.63	U	0.54	6.3
Methylene Chloride		1.3	U	0.85	6.3
Styrene		0.63	U	0.19	6.3
Tetrachloroethene		1.3	U	0.66	6.3
Toluene		0.63	U	0.34	6.3
trans-1,3-Dichloropropene		1.3	U	0.68	6.3
Trichloroethene		0.63	U	0.53	6.3
Vinyl chloride		0.63	U	0.49	6.3
Xylenes, Total		1.9	U	0.85	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		61 - 130
4-Bromofluorobenzene (Surr)	98		85 - 120
Dibromofluoromethane (Surr)	83		59 - 138
Toluene-d8 (Surr)	97		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0074M-0001-SO**

Lab Sample ID: 240-17810-7 Date Sampled: 11/16/2012 0935
Client Matrix: Solid % Moisture: 22.8 Date Received: 11/17/2012 1120

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149483.D
Dilution:	1.0			Initial Weight/Volume:	5.362 g
Analysis Date:	11/27/2012 1700			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.2	U	0.68	6.0
1,1,2,2-Tetrachloroethane		0.60	U	0.41	6.0
1,1,2-Trichloroethane		0.60	U	0.47	6.0
1,1-Dichloroethane		0.60	U	0.44	6.0
1,1-Dichloroethene		1.2	U	0.63	6.0
1,2-Dibromoethane		1.2	U	0.60	6.0
1,2-Dichloroethane		0.60	U	0.41	6.0
1,2-Dichloroethene, Total		1.2	U	0.93	12
1,2-Dichloropropane		1.2	U	0.83	6.0
2-Butanone (MEK)		19	J	1.7	24
2-Hexanone		1.2	U	0.76	24
4-Methyl-2-pentanone (MIBK)		1.2	U	0.65	24
Acetone		100	B	7.6	24
Benzene		0.31	J	0.28	6.0
Bromochloromethane		1.2	U	0.86	6.0
Bromodichloromethane		0.60	U	0.34	6.0
Bromoform		0.60	U	0.40	6.0
Bromomethane		1.2	U	0.65	6.0
Carbon disulfide		3.7	J	0.53	6.0
Carbon tetrachloride		0.60	U	0.45	6.0
Chlorobenzene		0.60	U	0.40	6.0
Chloroethane		1.2	U	1.0	6.0
Chloroform		0.60	U	0.35	6.0
Chloromethane		0.60	U	0.50	6.0
cis-1,3-Dichloropropene		0.60	U	0.41	6.0
Dibromochloromethane		1.2	U	0.66	6.0
Ethylbenzene		0.60	U	0.31	6.0
Methyl tert-butyl ether		0.60	U	0.52	6.0
Methylene Chloride		1.2	U	0.81	6.0
Styrene		0.60	U	0.18	6.0
Tetrachloroethene		1.2	U	0.63	6.0
Toluene		0.33	J	0.33	6.0
trans-1,3-Dichloropropene		1.2	U	0.65	6.0
Trichloroethene		0.60	U	0.51	6.0
Vinyl chloride		0.60	U	0.47	6.0
Xylenes, Total		1.8	U	0.81	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		61 - 130
4-Bromofluorobenzene (Surr)	92		85 - 120
Dibromofluoromethane (Surr)	83		59 - 138
Toluene-d8 (Surr)	95		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0075-0001-TB**

Lab Sample ID: 240-17810-8 Date Sampled: 11/16/2012 0800
Client Matrix: Water Date Received: 11/17/2012 1120

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXX1140.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1518			Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1518				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	0.57	U	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	1.1	U	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	0.36	J B	0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroform	0.25	U	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		85 - 120
1,2-Dichloroethane-d4 (Surr)	115		70 - 120
4-Bromofluorobenzene (Surr)	80		75 - 120
Dibromofluoromethane (Surr)	110		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0068M-0001-SO**

Lab Sample ID: 240-17810-1 Date Sampled: 11/16/2012 0940
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206014.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.64 g
Analysis Date:	12/06/2012 1400			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	68
Acenaphthylene		33	U	33	68
Anthracene		33	U	33	68
Benzo[a]anthracene		33	U	33	68
Benzo[a]pyrene		99	D M	33	68
Benzo[b]fluoranthene		33	U	33	68
Benzo[g,h,i]perylene		33	U	33	68
Benzoic acid		3400	U	3400	6700
Benzo[k]fluoranthene		33	U	33	68
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	96	1000
Bis(2-ethylhexyl) phthalate		270	U	190	510
4-Bromophenyl phenyl ether		270	U	130	510
Butyl benzyl phthalate		270	U	100	510
Carbazole		270	U	270	510
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	510
2-Chlorophenol		270	U	270	510
4-Chlorophenyl phenyl ether		270	U	130	510
Chrysene		33	U	11	68
Dibenz(a,h)anthracene		33	U	33	68
Dibenzofuran		33	U	33	510
1,2-Dichlorobenzene		270	U	98	510
1,3-Dichlorobenzene		270	U	110	510
1,4-Dichlorobenzene		270	U	200	510
3,3'-Dichlorobenzidine		810	U	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	510
2,4-Dimethylphenol		810	U	200	1500
Dimethyl phthalate		270	U	170	510
Di-n-butyl phthalate		270	U	150	510
4,6-Dinitro-2-methylphenol		810	U	810	1500
2,4-Dinitrophenol		810	U	810	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	510
Fluoranthene		80	D	33	68
Fluorene		33	U	33	68
Hexachlorobenzene		33	U	21	68
Hexachlorobutadiene		270	U	270	510
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	91	510

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0068M-0001-SO**

Lab Sample ID: 240-17810-1 Date Sampled: 11/16/2012 0940
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206014.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.64 g
Analysis Date:	12/06/2012 1400			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	68
Isophorone		270	U	130	510
2-Methylnaphthalene		33	U	33	68
2-Methylphenol		810	U	810	2000
3 & 4 Methylphenol		810	U	200	4000
Naphthalene		33	U	33	68
2-Nitroaniline		270	U	92	2000
3-Nitroaniline		810	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	510
4-Nitrophenol		810	U	810	3300
N-Nitrosodi-n-propylamine		270	U	270	510
N-Nitrosodiphenylamine		270	U	210	510
Pentachlorophenol		810	U	810	1500
Phenanthrene		33	U	33	68
Phenol		270	U	270	510
Pyrene		57	J D	33	68
1,2,4-Trichlorobenzene		270	U	270	510
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		810	U	810	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	67		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	58		35 - 100
Phenol-d5 (Surr)	65		40 - 100
Terphenyl-d14 (Surr)	79		30 - 125
2,4,6-Tribromophenol (Surr)	55		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0069M-0001-SO**

Lab Sample ID: 240-17810-2 Date Sampled: 11/16/2012 0940
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206021.D
Dilution:	2.5	Leach Batch:	240-66441	Initial Weight/Volume:	30.26 g
Analysis Date:	12/06/2012 1643			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		8.2	U	8.2	17
Acenaphthylene		8.2	U	8.2	17
Anthracene		8.2	U	8.2	17
Benzo[a]anthracene		8.2	U	8.2	17
Benzo[a]pyrene		8.2	U	8.2	17
Benzo[b]fluoranthene		8.2	U	8.2	17
Benzo[g,h,i]perylene		8.2	U	8.2	17
Benzoic acid		830	U	830	1600
Benzo[k]fluoranthene		8.2	U	8.2	17
Benzyl alcohol		67	U	52	820
Bis(2-chloroethoxy)methane		67	U	55	250
Bis(2-chloroethyl)ether		8.2	U	5.0	250
bis (2-chloroisopropyl) ether		67	U	24	250
Bis(2-ethylhexyl) phthalate		67	U	47	120
4-Bromophenyl phenyl ether		67	U	32	120
Butyl benzyl phthalate		67	U	25	120
Carbazole		67	U	67	120
4-Chloroaniline		67	U	42	370
4-Chloro-3-methylphenol		67	U	52	370
2-Chloronaphthalene		8.2	U	8.2	120
2-Chlorophenol		67	U	67	120
4-Chlorophenyl phenyl ether		67	U	32	120
Chrysene		8.2	U	2.7	17
Dibenz(a,h)anthracene		8.2	U	8.2	17
Dibenzofuran		8.2	U	8.2	120
1,2-Dichlorobenzene		67	U	24	120
1,3-Dichlorobenzene		67	U	27	120
1,4-Dichlorobenzene		67	U	50	120
3,3'-Dichlorobenzidine		200	U	45	250
2,4-Dichlorophenol		67	U	50	370
Diethyl phthalate		67	U	40	120
2,4-Dimethylphenol		200	U	50	370
Dimethyl phthalate		67	U	42	120
Di-n-butyl phthalate		67	U	37	120
4,6-Dinitro-2-methylphenol		200	U	200	370
2,4-Dinitrophenol		200	U	200	820
2,4-Dinitrotoluene		67	U	67	500
2,6-Dinitrotoluene		67	U	52	500
Di-n-octyl phthalate		67	U	67	120
Fluoranthene		13	J	8.2	17
Fluorene		8.2	U	8.2	17
Hexachlorobenzene		8.2	U	5.2	17
Hexachlorobutadiene		67	U	67	120
Hexachlorocyclopentadiene		67	U	67	820
Hexachloroethane		67	U	22	120

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0069M-0001-SO**

Lab Sample ID: 240-17810-2 Date Sampled: 11/16/2012 0940
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206021.D
Dilution:	2.5	Leach Batch:	240-66441	Initial Weight/Volume:	30.26 g
Analysis Date:	12/06/2012 1643			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		8.2	U	8.2	17
Isophorone		67	U	32	120
2-Methylnaphthalene		11	J	8.2	17
2-Methylphenol		200	U	200	500
3 & 4 Methylphenol		200	U	50	990
Naphthalene		9.7	J	8.2	17
2-Nitroaniline		67	U	23	500
3-Nitroaniline		200	U	40	500
4-Nitroaniline		67	U	64	500
Nitrobenzene		8.2	U	5.5	250
2-Nitrophenol		67	U	67	120
4-Nitrophenol		200	U	200	820
N-Nitrosodi-n-propylamine		67	U	67	120
N-Nitrosodiphenylamine		67	U	52	120
Pentachlorophenol		200	U	200	370
Phenanthrene		27		8.2	17
Phenol		67	U	67	120
Pyrene		9.9	J	8.2	17
1,2,4-Trichlorobenzene		67	U	67	120
2,4,5-Trichlorophenol		67	U	62	370
2,4,6-Trichlorophenol		200	U	200	370

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	64		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	73		40 - 100
Terphenyl-d14 (Surr)	74		30 - 125
2,4,6-Tribromophenol (Surr)	69		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0070M-0001-SO**

Lab Sample ID: 240-17810-3 Date Sampled: 11/16/2012 0925
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206015.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.95 g
Analysis Date:	12/06/2012 1423			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	67
Acenaphthylene		33	U	33	67
Anthracene		33	U	33	67
Benzo[a]anthracene		33	U	33	67
Benzo[a]pyrene		33	U	33	67
Benzo[b]fluoranthene		33	U	33	67
Benzo[g,h,i]perylene		33	U	33	67
Benzoic acid		3300	U	3300	6600
Benzo[k]fluoranthene		33	U	33	67
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	95	1000
Bis(2-ethylhexyl) phthalate		270	U	190	500
4-Bromophenyl phenyl ether		270	U	130	500
Butyl benzyl phthalate		270	U	100	500
Carbazole		270	U	270	500
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	500
2-Chlorophenol		270	U	270	500
4-Chlorophenyl phenyl ether		270	U	130	500
Chrysene		33	U	11	67
Dibenz(a,h)anthracene		33	U	33	67
Dibenzofuran		33	U	33	500
1,2-Dichlorobenzene		270	U	97	500
1,3-Dichlorobenzene		270	U	110	500
1,4-Dichlorobenzene		270	U	200	500
3,3'-Dichlorobenzidine		800	U	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	500
2,4-Dimethylphenol		800	U	200	1500
Dimethyl phthalate		270	U	170	500
Di-n-butyl phthalate		270	U	150	500
4,6-Dinitro-2-methylphenol		800	U	800	1500
2,4-Dinitrophenol		800	U	800	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	500
Fluoranthene		38	J D	33	67
Fluorene		33	U	33	67
Hexachlorobenzene		33	U	21	67
Hexachlorobutadiene		270	U	270	500
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	90	500

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0070M-0001-SO**

Lab Sample ID: 240-17810-3 Date Sampled: 11/16/2012 0925
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206015.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.95 g
Analysis Date:	12/06/2012 1423			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	67
Isophorone		270	U	130	500
2-Methylnaphthalene		33	U	33	67
2-Methylphenol		800	U	800	2000
3 & 4 Methylphenol		800	U	200	4000
Naphthalene		33	U	33	67
2-Nitroaniline		270	U	91	2000
3-Nitroaniline		800	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	500
4-Nitrophenol		800	U	800	3300
N-Nitrosodi-n-propylamine		270	U	270	500
N-Nitrosodiphenylamine		270	U	210	500
Pentachlorophenol		800	U	800	1500
Phenanthrene		33	U	33	67
Phenol		270	U	270	500
Pyrene		33	J D	33	67
1,2,4-Trichlorobenzene		270	U	270	500
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		800	U	800	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	65		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	64		35 - 100
Phenol-d5 (Surr)	67		40 - 100
Terphenyl-d14 (Surr)	71		30 - 125
2,4,6-Tribromophenol (Surr)	58		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0071M-0001-SO**

Lab Sample ID: 240-17810-4 Date Sampled: 11/16/2012 0915
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206022.D
Dilution:	2.5	Leach Batch:	240-66441	Initial Weight/Volume:	29.63 g
Analysis Date:	12/06/2012 1706			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		8.4	U	8.4	17
Acenaphthylene		8.4	U	8.4	17
Anthracene		8.4	U	8.4	17
Benzo[a]anthracene		8.4	U	8.4	17
Benzo[a]pyrene		8.4	U	8.4	17
Benzo[b]fluoranthene		8.4	U	8.4	17
Benzo[g,h,i]perylene		8.4	U	8.4	17
Benzoic acid		840	U	840	1700
Benzo[k]fluoranthene		8.4	U	8.4	17
Benzyl alcohol		68	U	53	840
Bis(2-chloroethoxy)methane		68	U	56	250
Bis(2-chloroethyl)ether		8.4	U	5.1	250
bis (2-chloroisopropyl) ether		68	U	24	250
Bis(2-ethylhexyl) phthalate		49	J	48	130
4-Bromophenyl phenyl ether		68	U	33	130
Butyl benzyl phthalate		68	U	25	130
Carbazole		68	U	68	130
4-Chloroaniline		68	U	43	380
4-Chloro-3-methylphenol		68	U	53	380
2-Chloronaphthalene		8.4	U	8.4	130
2-Chlorophenol		68	U	68	130
4-Chlorophenyl phenyl ether		68	U	33	130
Chrysene		8.4	U	2.8	17
Dibenz(a,h)anthracene		8.4	U	8.4	17
Dibenzofuran		8.4	U	8.4	130
1,2-Dichlorobenzene		68	U	25	130
1,3-Dichlorobenzene		68	U	28	130
1,4-Dichlorobenzene		68	U	51	130
3,3'-Dichlorobenzidine		200	U	46	250
2,4-Dichlorophenol		68	U	51	380
Diethyl phthalate		68	U	40	130
2,4-Dimethylphenol		200	U	51	380
Dimethyl phthalate		68	U	43	130
Di-n-butyl phthalate		68	U	38	130
4,6-Dinitro-2-methylphenol		200	U	200	380
2,4-Dinitrophenol		200	U	200	840
2,4-Dinitrotoluene		68	U	68	510
2,6-Dinitrotoluene		68	U	53	510
Di-n-octyl phthalate		68	U	68	130
Fluoranthene		8.4	U	8.4	17
Fluorene		8.4	U	8.4	17
Hexachlorobenzene		8.4	U	5.3	17
Hexachlorobutadiene		68	U	68	130
Hexachlorocyclopentadiene		68	U	68	840
Hexachloroethane		68	U	23	130

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0071M-0001-SO**

Lab Sample ID: 240-17810-4 Date Sampled: 11/16/2012 0915
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206022.D
Dilution:	2.5	Leach Batch:	240-66441	Initial Weight/Volume:	29.63 g
Analysis Date:	12/06/2012 1706			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		8.4	U	8.4	17
Isophorone		68	U	33	130
2-Methylnaphthalene		8.4	U	8.4	17
2-Methylphenol		200	U	200	510
3 & 4 Methylphenol		200	U	51	1000
Naphthalene		8.4	U	8.4	17
2-Nitroaniline		68	U	23	510
3-Nitroaniline		200	U	40	510
4-Nitroaniline		68	U	66	510
Nitrobenzene		8.4	U	5.6	250
2-Nitrophenol		68	U	68	130
4-Nitrophenol		200	U	200	840
N-Nitrosodi-n-propylamine		68	U	68	130
N-Nitrosodiphenylamine		68	U	53	130
Pentachlorophenol		200	U	200	380
Phenanthrene		8.5	J	8.4	17
Phenol		68	U	68	130
Pyrene		8.4	U	8.4	17
1,2,4-Trichlorobenzene		68	U	68	130
2,4,5-Trichlorophenol		68	U	63	380
2,4,6-Trichlorophenol		200	U	200	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	65		45 - 105
2-Fluorophenol (Surr)	64		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	71		40 - 100
Terphenyl-d14 (Surr)	73		30 - 125
2,4,6-Tribromophenol (Surr)	71		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0072M-0001-SO**

Lab Sample ID: 240-17810-5 Date Sampled: 11/16/2012 0905
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206023.D
Dilution:	2.5	Leach Batch:	240-66441	Initial Weight/Volume:	29.84 g
Analysis Date:	12/06/2012 1730			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		8.3	U	8.3	17
Acenaphthylene		8.3	U	8.3	17
Anthracene		8.3	U	8.3	17
Benzo[a]anthracene		8.3	U	8.3	17
Benzo[a]pyrene		28		8.3	17
Benzo[b]fluoranthene		12	J M	8.3	17
Benzo[g,h,i]perylene		8.3	U	8.3	17
Benzoic acid		840	U	840	1700
Benzo[k]fluoranthene		8.3	U	8.3	17
Benzyl alcohol		68	U	53	830
Bis(2-chloroethoxy)methane		68	U	55	250
Bis(2-chloroethyl)ether		8.3	U	5.0	250
bis (2-chloroisopropyl) ether		68	U	24	250
Bis(2-ethylhexyl) phthalate		68	U	48	130
4-Bromophenyl phenyl ether		68	U	33	130
Butyl benzyl phthalate		68	U	25	130
Carbazole		68	U	68	130
4-Chloroaniline		68	U	43	380
4-Chloro-3-methylphenol		68	U	53	380
2-Chloronaphthalene		8.3	U	8.3	130
2-Chlorophenol		68	U	68	130
4-Chlorophenyl phenyl ether		68	U	33	130
Chrysene		8.3	U	2.8	17
Dibenz(a,h)anthracene		8.3	U	8.3	17
Dibenzofuran		8.3	U	8.3	130
1,2-Dichlorobenzene		68	U	24	130
1,3-Dichlorobenzene		68	U	28	130
1,4-Dichlorobenzene		68	U	50	130
3,3'-Dichlorobenzidine		200	U	45	250
2,4-Dichlorophenol		68	U	50	380
Diethyl phthalate		68	U	40	130
2,4-Dimethylphenol		200	U	50	380
Dimethyl phthalate		68	U	43	130
Di-n-butyl phthalate		68	U	38	130
4,6-Dinitro-2-methylphenol		200	U	200	380
2,4-Dinitrophenol		200	U	200	830
2,4-Dinitrotoluene		68	U	68	500
2,6-Dinitrotoluene		68	U	53	500
Di-n-octyl phthalate		68	U	68	130
Fluoranthene		20		8.3	17
Fluorene		8.3	U	8.3	17
Hexachlorobenzene		8.3	U	5.3	17
Hexachlorobutadiene		68	U	68	130
Hexachlorocyclopentadiene		68	U	68	830
Hexachloroethane		68	U	23	130

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0072M-0001-SO**

Lab Sample ID: 240-17810-5 Date Sampled: 11/16/2012 0905
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206023.D
Dilution:	2.5	Leach Batch:	240-66441	Initial Weight/Volume:	29.84 g
Analysis Date:	12/06/2012 1730			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		8.3	U	8.3	17
Isophorone		68	U	33	130
2-Methylnaphthalene		8.3	U	8.3	17
2-Methylphenol		200	U	200	500
3 & 4 Methylphenol		200	U	50	1000
Naphthalene		8.3	U	8.3	17
2-Nitroaniline		68	U	23	500
3-Nitroaniline		200	U	40	500
4-Nitroaniline		68	U	65	500
Nitrobenzene		8.3	U	5.5	250
2-Nitrophenol		68	U	68	130
4-Nitrophenol		200	U	200	830
N-Nitrosodi-n-propylamine		68	U	68	130
N-Nitrosodiphenylamine		68	U	53	130
Pentachlorophenol		200	U	200	380
Phenanthrene		8.3	U	8.3	17
Phenol		68	U	68	130
Pyrene		15	J	8.3	17
1,2,4-Trichlorobenzene		68	U	68	130
2,4,5-Trichlorophenol		68	U	63	380
2,4,6-Trichlorophenol		200	U	200	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		45 - 105
2-Fluorophenol (Surr)	59		35 - 105
Nitrobenzene-d5 (Surr)	58		35 - 100
Phenol-d5 (Surr)	62		40 - 100
Terphenyl-d14 (Surr)	68		30 - 125
2,4,6-Tribromophenol (Surr)	60		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0073M-0001-SO**

Lab Sample ID: 240-17810-6 Date Sampled: 11/16/2012 0900
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206024.D
Dilution:	2.5	Leach Batch:	240-66441	Initial Weight/Volume:	29.97 g
Analysis Date:	12/06/2012 1753			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		8.3	U	8.3	17
Acenaphthylene		8.3	U	8.3	17
Anthracene		8.3	U	8.3	17
Benzo[a]anthracene		8.3	U	8.3	17
Benzo[a]pyrene		8.3	U	8.3	17
Benzo[b]fluoranthene		8.3	U	8.3	17
Benzo[g,h,i]perylene		8.3	U	8.3	17
Benzoic acid		830	U	830	1700
Benzo[k]fluoranthene		8.3	U	8.3	17
Benzyl alcohol		68	U	53	830
Bis(2-chloroethoxy)methane		68	U	55	250
Bis(2-chloroethyl)ether		8.3	U	5.0	250
bis (2-chloroisopropyl) ether		68	U	24	250
Bis(2-ethylhexyl) phthalate		68	U	48	130
4-Bromophenyl phenyl ether		68	U	33	130
Butyl benzyl phthalate		68	U	25	130
Carbazole		68	U	68	130
4-Chloroaniline		68	U	43	380
4-Chloro-3-methylphenol		68	U	53	380
2-Chloronaphthalene		8.3	U	8.3	130
2-Chlorophenol		68	U	68	130
4-Chlorophenyl phenyl ether		68	U	33	130
Chrysene		8.3	U	2.8	17
Dibenz(a,h)anthracene		8.3	U	8.3	17
Dibenzofuran		8.3	U	8.3	130
1,2-Dichlorobenzene		68	U	24	130
1,3-Dichlorobenzene		68	U	28	130
1,4-Dichlorobenzene		68	U	50	130
3,3'-Dichlorobenzidine		200	U	45	250
2,4-Dichlorophenol		68	U	50	380
Diethyl phthalate		68	U	40	130
2,4-Dimethylphenol		200	U	50	380
Dimethyl phthalate		68	U	43	130
Di-n-butyl phthalate		68	U	38	130
4,6-Dinitro-2-methylphenol		200	U	200	380
2,4-Dinitrophenol		200	U	200	830
2,4-Dinitrotoluene		68	U	68	500
2,6-Dinitrotoluene		68	U	53	500
Di-n-octyl phthalate		68	U	68	130
Fluoranthene		8.3	U	8.3	17
Fluorene		8.3	U	8.3	17
Hexachlorobenzene		8.3	U	5.3	17
Hexachlorobutadiene		68	U	68	130
Hexachlorocyclopentadiene		68	U	68	830
Hexachloroethane		68	U	23	130

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0073M-0001-SO**

Lab Sample ID: 240-17810-6 Date Sampled: 11/16/2012 0900
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206024.D
Dilution:	2.5	Leach Batch:	240-66441	Initial Weight/Volume:	29.97 g
Analysis Date:	12/06/2012 1753			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		8.3	U	8.3	17
Isophorone		68	U	33	130
2-Methylnaphthalene		8.3	U	8.3	17
2-Methylphenol		200	U	200	500
3 & 4 Methylphenol		200	U	50	1000
Naphthalene		8.3	U	8.3	17
2-Nitroaniline		68	U	23	500
3-Nitroaniline		200	U	40	500
4-Nitroaniline		68	U	65	500
Nitrobenzene		8.3	U	5.5	250
2-Nitrophenol		68	U	68	130
4-Nitrophenol		200	U	200	830
N-Nitrosodi-n-propylamine		68	U	68	130
N-Nitrosodiphenylamine		68	U	53	130
Pentachlorophenol		200	U	200	380
Phenanthrene		8.3	U	8.3	17
Phenol		68	U	68	130
Pyrene		8.3	U	8.3	17
1,2,4-Trichlorobenzene		68	U	68	130
2,4,5-Trichlorophenol		68	U	63	380
2,4,6-Trichlorophenol		200	U	200	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	63		45 - 105
2-Fluorophenol (Surr)	64		35 - 105
Nitrobenzene-d5 (Surr)	65		35 - 100
Phenol-d5 (Surr)	67		40 - 100
Terphenyl-d14 (Surr)	71		30 - 125
2,4,6-Tribromophenol (Surr)	56		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0074M-0001-SO**

Lab Sample ID: 240-17810-7 Date Sampled: 11/16/2012 0935
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206006.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.92 g
Analysis Date:	12/06/2012 1055			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	67
Acenaphthylene		33	U	33	67
Anthracene		33	U	33	67
Benzo[a]anthracene		33	U	33	67
Benzo[a]pyrene		33	U	33	67
Benzo[b]fluoranthene		33	U	33	67
Benzo[g,h,i]perylene		33	U	33	67
Benzoic acid		3300	U	3300	6600
Benzo[k]fluoranthene		33	U	33	67
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	1000
Bis(2-chloroethyl)ether		33	U	20	1000
bis (2-chloroisopropyl) ether		270	U	95	1000
Bis(2-ethylhexyl) phthalate		270	U	190	500
4-Bromophenyl phenyl ether		270	U	130	500
Butyl benzyl phthalate		270	U	100	500
Carbazole		270	U	270	500
4-Chloroaniline		270	U J	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	500
2-Chlorophenol		270	U	270	500
4-Chlorophenyl phenyl ether		270	U	130	500
Chrysene		33	U	11	67
Dibenz(a,h)anthracene		33	U	33	67
Dibenzofuran		33	U	33	500
1,2-Dichlorobenzene		270	U	97	500
1,3-Dichlorobenzene		270	U	110	500
1,4-Dichlorobenzene		270	U	200	500
3,3'-Dichlorobenzidine		800	U	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	500
2,4-Dimethylphenol		800	U	200	1500
Dimethyl phthalate		270	U	170	500
Di-n-butyl phthalate		270	U	150	500
4,6-Dinitro-2-methylphenol		800	U	800	1500
2,4-Dinitrophenol		800	U J	800	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	500
Fluoranthene		33	U	33	67
Fluorene		33	U	33	67
Hexachlorobenzene		33	U	21	67
Hexachlorobutadiene		270	U	270	500
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	90	500

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0074M-0001-SO**

Lab Sample ID: 240-17810-7 Date Sampled: 11/16/2012 0935
Client Matrix: Solid Date Received: 11/17/2012 1120

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21206006.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.92 g
Analysis Date:	12/06/2012 1055			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	67
Isophorone		270	U	130	500
2-Methylnaphthalene		33	U	33	67
2-Methylphenol		800	U	800	2000
3 & 4 Methylphenol		800	U	200	4000
Naphthalene		33	U	33	67
2-Nitroaniline		270	U	91	2000
3-Nitroaniline		800	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	1000
2-Nitrophenol		270	U	270	500
4-Nitrophenol		800	U	800	3300
N-Nitrosodi-n-propylamine		270	U	270	500
N-Nitrosodiphenylamine		270	U	210	500
Pentachlorophenol		800	U	800	1500
Phenanthrene		33	U	33	67
Phenol		270	U	270	500
Pyrene		33	U	33	67
1,2,4-Trichlorobenzene		270	U	270	500
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		800	U	800	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	70		45 - 105
2-Fluorophenol (Surr)	77		35 - 105
Nitrobenzene-d5 (Surr)	70		35 - 100
Phenol-d5 (Surr)	75		40 - 100
Terphenyl-d14 (Surr)	76		30 - 125
2,4,6-Tribromophenol (Surr)	64		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0068M-0001-SO**

Lab Sample ID: 240-17810-1 Date Sampled: 11/16/2012 0940
Client Matrix: Solid Date Received: 11/17/2012 1120

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-66441	Initial Weight/Volume:	0.63 g
Analysis Date:	11/30/2012 1710			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.015	J	0.013	0.095

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0069M-0001-SO**

Lab Sample ID: 240-17810-2 Date Sampled: 11/16/2012 0940
Client Matrix: Solid Date Received: 11/17/2012 1120

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-66441	Initial Weight/Volume:	0.64 g
Analysis Date:	11/30/2012 1712			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.025	J	0.013	0.094

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0070M-0001-SO**

Lab Sample ID: 240-17810-3 Date Sampled: 11/16/2012 0925
Client Matrix: Solid Date Received: 11/17/2012 1120

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-66441	Initial Weight/Volume:	0.61 g
Analysis Date:	11/30/2012 1713			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.026	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0071M-0001-SO**

Lab Sample ID: 240-17810-4 Date Sampled: 11/16/2012 0915
Client Matrix: Solid Date Received: 11/17/2012 1120

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-66441	Initial Weight/Volume:	0.54 g
Analysis Date:	11/30/2012 1714			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.023	J	0.016	0.11

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0072M-0001-SO**

Lab Sample ID: 240-17810-5 Date Sampled: 11/16/2012 0905
Client Matrix: Solid Date Received: 11/17/2012 1120

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-66441	Initial Weight/Volume:	0.66 g
Analysis Date:	11/30/2012 1718			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.032	J	0.013	0.091

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0073M-0001-SO**

Lab Sample ID: 240-17810-6 Date Sampled: 11/16/2012 0900
Client Matrix: Solid Date Received: 11/17/2012 1120

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-66441	Initial Weight/Volume:	0.55 g
Analysis Date:	11/30/2012 1720			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.029	J	0.015	0.11

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Client Sample ID: **076SB-0074M-0001-SO**

Lab Sample ID: 240-17810-7 Date Sampled: 11/16/2012 0935
Client Matrix: Solid Date Received: 11/17/2012 1120

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-66441	Initial Weight/Volume:	0.59 g
Analysis Date:	11/30/2012 1721			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/19/2012 1200				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.024	J	0.014	0.10

General Chemistry

Client Sample ID: **076SB-0068M-0001-SO**

Lab Sample ID: 240-17810-1 Date Sampled: 11/16/2012 0940

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0069M-0001-SO**

Lab Sample ID: 240-17810-2 Date Sampled: 11/16/2012 0940

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0070M-0001-SO**

Lab Sample ID: 240-17810-3 Date Sampled: 11/16/2012 0925

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0071M-0001-SO**

Lab Sample ID: 240-17810-4 Date Sampled: 11/16/2012 0915

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0072M-0001-SO**

Lab Sample ID: 240-17810-5 Date Sampled: 11/16/2012 0905

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0073M-0001-SO**

Lab Sample ID: 240-17810-6 Date Sampled: 11/16/2012 0900

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0074M-0001-SO**

Lab Sample ID: 240-17810-7 Date Sampled: 11/16/2012 0935

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66827	Analysis Date: 11/29/2012 1445						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0076-0001-SO**

Lab Sample ID: 240-17810-9 Date Sampled: 11/16/2012 1145
Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.33	J	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1508						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0077-0001-SO**

Lab Sample ID: 240-17810-10 Date Sampled: 11/16/2012 1200

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.61	J	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1511						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0078-0001-SO**

Lab Sample ID: 240-17810-11 Date Sampled: 11/16/2012 1215
Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.80	U	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1516						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0079-0001-SO**

Lab Sample ID: 240-17810-12 Date Sampled: 11/16/2012 1600

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.80	U	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1517						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	2.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0080-0001-SO**

Lab Sample ID: 240-17810-13 Date Sampled: 11/16/2012 1525
Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.80	U	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1558						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0081-0001-SO**

Lab Sample ID: 240-17810-14 Date Sampled: 11/16/2012 1550
Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.80	U	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1558						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0082-0001-SO**

Lab Sample ID: 240-17810-15 Date Sampled: 11/16/2012 1400

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.80	U	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1558						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0083-0001-SO**

Lab Sample ID: 240-17810-16 Date Sampled: 11/16/2012 1620
Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.80	U	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1558						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	2.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0084-0001-SO**

Lab Sample ID: 240-17810-17 Date Sampled: 11/16/2012 1650
Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	1.8	J D	mg/Kg	1.4	4.0	5.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1558						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0085-0001-SO**

Lab Sample ID: 240-17810-18 Date Sampled: 11/16/2012 1700

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	1.4	J D	mg/Kg	1.4	4.0	5.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1558						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0086-0001-SO**

Lab Sample ID: 240-17810-19 Date Sampled: 11/16/2012 1245
Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.80	U	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1559						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0087-0001-SO**

Lab Sample ID: 240-17810-20 Date Sampled: 11/16/2012 1720

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.50	J	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1545						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0088-0001-SO**

Lab Sample ID: 240-17810-21 Date Sampled: 11/16/2012 1640
Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	7.1	J D	mg/Kg	6.8	20	25	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1559						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0089-0001-SO**

Lab Sample ID: 240-17810-22 Date Sampled: 11/16/2012 1145

Client Matrix: Solid Date Received: 11/17/2012 1120

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.45	J	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67855	Analysis Date: 12/07/2012 1550						DryWt Corrected: N
Prep Batch: 240-67576	Prep Date: 12/06/2012 1430						
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N
Percent Moisture	1.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-67815	Analysis Date: 12/07/2012 1342						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-66419/5		87	94	90	91
MRL 240-66419/22		85	90	89	87

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

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-17810-1	076SB-0068M-0001-SO	81	94	91	88
240-17810-2	076SB-0069M-0001-SO	82	97	89	86
240-17810-3	076SB-0070M-0001-SO	82	96	95	91
240-17810-4	076SB-0071M-0001-SO	87	105	96	94
240-17810-5	076SB-0072M-0001-SO	81	94	90	85
240-17810-6	076SB-0073M-0001-SO	83	93	97	98
240-17810-7	076SB-0074M-0001-SO	83	100	95	92
MB 240-66419/12		83	95	92	87
LCS 240-66419/7		91	92	91	90

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

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MRL 240-65929/7		98	102	105	83
MRL 240-65929/20		105	110	111	90

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

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-17810-8	076SB-0075-0001-TB	110	115	106	80
MB 240-65929/6		101	108	102	81
LCS 240-65929/4		96	101	102	94

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

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-17810-1	076SB-0068M-0001-SO	67	65	58	67	55	79
240-17810-2	076SB-0069M-0001-SO	67	73	66	64	69	74
240-17810-3	076SB-0070M-0001-SO	67	67	64	65	58	71
240-17810-4	076SB-0071M-0001-SO	64	71	66	65	71	73
240-17810-5	076SB-0072M-0001-SO	59	62	58	58	60	68
240-17810-6	076SB-0073M-0001-SO	64	67	65	63	56	71
240-17810-7	076SB-0074M-0001-SO	77	75	70	70	64	76
MB 240-66569/21-A		76	75	75	74	71	89
LCS 240-66569/22-A		69	70	68	67	83	82
240-17810-7 MS	076SB-0074M-0001-SO MS	55	58	52	59	58	68
240-17810-7 MSD	076SB-0074M-0001-SO MSD	67	68	62	67	65	72

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

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Surrogate Recovery Report

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

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
MRL 240-67544/3		98	100	103Q	103	111	100
MRL 240-67544/25		97	98	108Q	105	113	109

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

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Blank - Batch: 240-65929

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 240-65929/6	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1132.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1158	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1158				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1-Trichloroethane	0.25	U	0.22	1.0
1,1,2,2-Tetrachloroethane	0.25	U	0.18	1.0
1,1,2-Trichloroethane	0.50	U	0.27	1.0
1,1-Dichloroethane	0.25	U	0.15	1.0
1,1-Dichloroethene	0.25	U	0.19	1.0
1,2-Dichloroethane	0.25	U	0.22	1.0
1,2-Dichloroethene, Total	0.50	U	0.34	2.0
1,2-Dichloropropane	0.25	U	0.18	1.0
2-Butanone (MEK)	0.57	U	0.57	10
2-Hexanone	0.50	U	0.41	10
4-Methyl-2-pentanone (MIBK)	0.50	U	0.32	10
Acetone	1.1	U	1.1	10
Benzene	0.25	U	0.13	1.0
Bromoform	0.64	U	0.64	1.0
Bromomethane	0.50	U	0.41	1.0
Carbon disulfide	0.25	U	0.13	1.0
Carbon tetrachloride	0.25	U	0.13	1.0
Chlorobenzene	0.25	U	0.15	1.0
Bromodichloromethane	0.25	U	0.15	1.0
Chloromethane	0.50	U	0.30	1.0
cis-1,3-Dichloropropene	0.25	U	0.14	1.0
Dibromochloromethane	0.25	U	0.18	1.0
Ethylbenzene	0.25	U	0.17	1.0
Methyl tert-butyl ether	0.25	U	0.17	1.0
Methylene Chloride	1.66		0.33	1.0
Styrene	0.25	U	0.11	1.0
Tetrachloroethene	0.50	U	0.29	1.0
Toluene	0.25	U	0.13	1.0
Chloroform	0.25	U	0.16	1.0
Bromochloromethane	0.50	U	0.29	1.0
trans-1,3-Dichloropropene	0.25	U	0.19	1.0
1,2-Dibromoethane	0.25	U	0.24	1.0
Trichloroethene	0.25	U	0.17	1.0
Vinyl chloride	0.25	U	0.22	1.0
Xylenes, Total	0.75	U	0.28	2.0
Chloroethane	0.50	U	0.29	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	70 - 120
Toluene-d8 (Surr)	102	85 - 120
4-Bromofluorobenzene (Surr)	81	75 - 120
Dibromofluoromethane (Surr)	101	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Control Sample - Batch: 240-65929

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 240-65929/4	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1130.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1114	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1114				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.78	98	65 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.31	93	65 - 130	
1,1,2-Trichloroethane	10.0	9.60	96	75 - 125	
1,1-Dichloroethane	10.0	10.3	103	70 - 135	
1,1-Dichloroethene	10.0	10.4	104	70 - 130	
1,2-Dichloroethane	10.0	10.1	101	70 - 130	
1,2-Dichloropropane	10.0	9.37	94	75 - 125	
2-Butanone (MEK)	20.0	18.6	93	30 - 150	
2-Hexanone	20.0	18.6	93	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	18.4	92	60 - 135	
Acetone	20.0	21.0	105	40 - 140	
Benzene	10.0	9.60	96	80 - 120	
Bromoform	10.0	8.33	83	70 - 130	
Bromomethane	10.0	6.91	69	30 - 145	
Carbon disulfide	10.0	10.5	105	35 - 160	
Carbon tetrachloride	10.0	9.85	98	65 - 140	
Chlorobenzene	10.0	9.16	92	80 - 120	
Bromodichloromethane	10.0	9.51	95	75 - 120	
Chloromethane	10.0	9.01	90	40 - 125	
cis-1,3-Dichloropropene	10.0	8.52	85	70 - 130	
Dibromochloromethane	10.0	8.97	90	60 - 135	
Ethylbenzene	10.0	9.67	97	75 - 125	
Methyl tert-butyl ether	10.0	9.10	91	65 - 125	
Methylene Chloride	10.0	10.5	105	55 - 140	
Styrene	10.0	9.45	94	65 - 135	
Tetrachloroethene	10.0	9.55	95	45 - 150	
Toluene	10.0	9.91	99	75 - 120	
Chloroform	10.0	9.35	94	65 - 135	
Bromochloromethane	10.0	9.26	93	65 - 130	
trans-1,3-Dichloropropene	10.0	9.06	91	55 - 140	
Trichloroethene	10.0	8.89	89	70 - 125	
Vinyl chloride	10.0	9.88	99	50 - 145	
Xylenes, Total	30.0	28.9	96	75 - 130	
Chloroethane	10.0	7.19	72	60 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 120
Toluene-d8 (Surr)	102	85 - 120
4-Bromofluorobenzene (Surr)	94	75 - 120
Dibromofluoromethane (Surr)	96	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Reporting Limit Check - Batch: 240-65929 **Method: 8260B/DoD**
Preparation: 5030B

Lab Sample ID:	MRL 240-65929/7	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1133.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1230	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1230				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.00105	105	70 - 130	
1,1,2,2-Tetrachloroethane	0.00100	0.00110	110	70 - 130	
1,1,2-Trichloroethane	0.00100	0.00106	106	70 - 130	
1,1-Dichloroethane	0.00100	0.00112	112	70 - 130	
1,1-Dichloroethene	0.00100	0.00122	122	70 - 130	
1,2-Dichloroethane	0.00100	0.00105	105	70 - 130	
1,2-Dichloropropane	0.00100	0.000995	100	70 - 130	J
2-Butanone (MEK)	0.0100	0.00706	71	70 - 130	J
2-Hexanone	0.0100	0.00813	81	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00737	74	70 - 130	J
Acetone	0.0100	0.00622	62	70 - 130	J ^
Benzene	0.00100	0.00102	102	70 - 130	
Bromoform	0.00100	0.000851	85	70 - 130	J
Bromomethane	0.00100	0.00107	107	70 - 130	
Carbon disulfide	0.00100	0.00117	117	70 - 130	
Carbon tetrachloride	0.00100	0.00110	110	70 - 130	
Chlorobenzene	0.00100	0.000940	94	70 - 130	J
Bromodichloromethane	0.00100	0.000961	96	70 - 130	J
Chloromethane	0.00100	0.00111	111	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.000807	81	70 - 130	J
Dibromochloromethane	0.00100	0.000911	91	70 - 130	J
Ethylbenzene	0.00100	0.000891	89	70 - 130	J
Methyl tert-butyl ether	0.00100	0.000912	91	70 - 130	J
Methylene Chloride	0.00100	0.00341	341	70 - 130	^
Styrene	0.00100	0.000694	69	70 - 130	J ^
Tetrachloroethene	0.00100	0.00122	122	70 - 130	
Toluene	0.00100	0.00107	107	70 - 130	
Chloroform	0.00100	0.00107	107	70 - 130	
Bromochloromethane	0.00100	0.000996	100	70 - 130	J
trans-1,3-Dichloropropene	0.00100	0.000811	81	70 - 130	J
Trichloroethene	0.00100	0.00103	103	70 - 130	
Vinyl chloride	0.00100	0.00118	118	70 - 130	
Xylenes, Total	0.00300	0.00257	86	70 - 130	
Chloroethane	0.00100	0.00102	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	50 - 150
Toluene-d8 (Surr)	105	50 - 150
4-Bromofluorobenzene (Surr)	83	50 - 150
Dibromofluoromethane (Surr)	98	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Reporting Limit Check - Batch: 240-65929

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MRL 240-65929/20	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1146.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1729	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1729				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00100	0.00108	108	70 - 130	
1,1,2,2-Tetrachloroethane	0.00100	0.00113	113	70 - 130	
1,1,2-Trichloroethane	0.00100	0.000935	93	70 - 130	J
1,1-Dichloroethane	0.00100	0.00105	105	70 - 130	
1,1-Dichloroethene	0.00100	0.00102	102	70 - 130	
1,2-Dichloroethane	0.00100	0.00108	108	70 - 130	
1,2-Dichloropropane	0.00100	0.000939	94	70 - 130	J
2-Butanone (MEK)	0.0100	0.00946	95	70 - 130	J
2-Hexanone	0.0100	0.00929	93	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00890	89	70 - 130	J
Acetone	0.0100	0.00626	63	70 - 130	J ^
Benzene	0.00100	0.00103	103	70 - 130	
Bromoform	0.00100	0.000777	78	70 - 130	J
Bromomethane	0.00100	0.00116	116	70 - 130	
Carbon disulfide	0.00100	0.00107	107	70 - 130	
Carbon tetrachloride	0.00100	0.00102	102	70 - 130	
Chlorobenzene	0.00100	0.000958	96	70 - 130	J
Bromodichloromethane	0.00100	0.000869	87	70 - 130	J
Chloromethane	0.00100	0.00107	107	70 - 130	
cis-1,3-Dichloropropene	0.00100	0.000769	77	70 - 130	J
Dibromochloromethane	0.00100	0.000849	85	70 - 130	J
Ethylbenzene	0.00100	0.000841	84	70 - 130	J
Methyl tert-butyl ether	0.00100	0.000910	91	70 - 130	J
Methylene Chloride	0.00100	0.00242	242	70 - 130	^
Styrene	0.00100	0.000707	71	70 - 130	J
Tetrachloroethene	0.00100	0.00101	101	70 - 130	
Toluene	0.00100	0.00104	104	70 - 130	
Chloroform	0.00100	0.00102	102	70 - 130	
Bromochloromethane	0.00100	0.000992	99	70 - 130	J
trans-1,3-Dichloropropene	0.00100	0.000871	87	70 - 130	J
Trichloroethene	0.00100	0.000933	93	70 - 130	J
Vinyl chloride	0.00100	0.00130	130	70 - 130	
Xylenes, Total	0.00300	0.00238	79	70 - 130	
Chloroethane	0.00100	0.00108	108	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	50 - 150
Toluene-d8 (Surr)	111	50 - 150
4-Bromofluorobenzene (Surr)	90	50 - 150
Dibromofluoromethane (Surr)	105	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Blank - Batch: 240-66419

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-66419/12	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149476.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/27/2012 1429	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1-Trichloroethane	1.0	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.50	U	0.34	5.0
1,1,2-Trichloroethane	0.50	U	0.39	5.0
1,1-Dichloroethane	0.50	U	0.36	5.0
1,1-Dichloroethene	1.0	U	0.52	5.0
1,2-Dichloroethane	0.50	U	0.34	5.0
1,2-Dichloroethene, Total	1.0	U	0.77	10
1,2-Dichloropropane	1.0	U	0.69	5.0
2-Butanone (MEK)	2.0	U	1.4	20
2-Hexanone	1.0	U	0.63	20
4-Methyl-2-pentanone (MIBK)	1.0	U	0.54	20
Acetone	17.1	J	6.3	20
Benzene	0.50	U	0.23	5.0
Bromoform	0.50	U	0.33	5.0
Bromomethane	1.0	U	0.54	5.0
Carbon disulfide	0.50	U	0.44	5.0
Carbon tetrachloride	0.50	U	0.37	5.0
Chlorobenzene	0.50	U	0.33	5.0
Bromodichloromethane	0.50	U	0.28	5.0
Chloromethane	0.50	U	0.41	5.0
cis-1,3-Dichloropropene	0.50	U	0.34	5.0
Dibromochloromethane	1.0	U	0.55	5.0
Ethylbenzene	0.50	U	0.26	5.0
Methyl tert-butyl ether	0.50	U	0.43	5.0
Methylene Chloride	1.0	U	0.67	5.0
Styrene	0.50	U	0.15	5.0
Tetrachloroethene	1.0	U	0.52	5.0
Toluene	0.331	J	0.27	5.0
Chloroform	0.50	U	0.29	5.0
Bromochloromethane	1.0	U	0.71	5.0
trans-1,3-Dichloropropene	1.0	U	0.54	5.0
1,2-Dibromoethane	1.0	U	0.50	5.0
Trichloroethene	0.50	U	0.42	5.0
Vinyl chloride	0.50	U	0.39	5.0
Xylenes, Total	1.5	U	0.67	10
Chloroethane	1.0	U	0.86	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	61 - 130
Toluene-d8 (Surr)	92	85 - 115
4-Bromofluorobenzene (Surr)	87	85 - 120
Dibromofluoromethane (Surr)	83	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Reporting Limit Check - Batch: 240-66419 **Method: 8260B/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-66419/5	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149470.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/27/2012 1220	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00473	95	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00477	95	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00530	106	70 - 130	
1,1-Dichloroethane	0.00500	0.00490	98	70 - 130	
1,1-Dichloroethene	0.00500	0.00531	106	70 - 130	
1,2-Dichloroethane	0.00500	0.00517	103	70 - 130	
1,2-Dichloropropane	0.00500	0.00523	105	70 - 130	
2-Butanone (MEK)	0.0100	0.0112	112	70 - 130	
2-Hexanone	0.0100	0.0117	117	70 - 130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.0104	104	70 - 130	
Acetone	0.0100	0.0302	302	70 - 130	^
Benzene	0.00500	0.00509	102	70 - 130	
Bromoform	0.00500	0.00655	131	70 - 130	^
Bromomethane	0.00500	0.00582	116	70 - 130	
Carbon disulfide	0.00500	0.00589	118	70 - 130	
Carbon tetrachloride	0.00500	0.00585	117	70 - 130	
Chlorobenzene	0.00500	0.00517	103	70 - 130	
Bromodichloromethane	0.00500	0.00600	120	70 - 130	
Chloromethane	0.00500	0.00553	111	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00617	123	70 - 130	
Dibromochloromethane	0.00500	0.00621	124	70 - 130	
Ethylbenzene	0.00500	0.00501	100	70 - 130	
Methyl tert-butyl ether	0.00500	0.00500	100	70 - 130	
Methylene Chloride	0.00500	0.00625	125	70 - 130	
Styrene	0.00500	0.00494	99	70 - 130	
Tetrachloroethene	0.00500	0.00527	105	70 - 130	
Toluene	0.00500	0.00578	116	70 - 130	
Chloroform	0.00500	0.00498	100	70 - 130	
Bromochloromethane	0.00500	0.00485	97	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00619	124	70 - 130	
Trichloroethene	0.00500	0.00522	104	70 - 130	
Vinyl chloride	0.00500	0.00565	113	70 - 130	
Xylenes, Total	0.0150	0.0155	103	70 - 130	
Chloroethane	0.00500	0.00545	109	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	50 - 150
Toluene-d8 (Surr)	90	50 - 150
4-Bromofluorobenzene (Surr)	91	50 - 150
Dibromofluoromethane (Surr)	87	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Control Sample - Batch: 240-66419

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-66419/7	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149472.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/27/2012 1303	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	51.3	103	70 - 135	
1,1,2,2-Tetrachloroethane	50.0	50.5	101	55 - 130	
1,1,2-Trichloroethane	50.0	52.7	105	60 - 125	
1,1-Dichloroethane	50.0	52.9	106	75 - 125	
1,1-Dichloroethene	50.0	52.7	105	65 - 135	
1,2-Dichloroethane	50.0	50.7	101	70 - 135	
1,2-Dichloropropane	50.0	52.9	106	70 - 120	
2-Butanone (MEK)	100	103	103	30 - 160	
2-Hexanone	100	111	111	45 - 145	
4-Methyl-2-pentanone (MIBK)	100	106	106	45 - 145	
Acetone	100	140	140	20 - 160	
Benzene	50.0	50.2	100	75 - 125	
Bromoform	50.0	46.1	92	55 - 135	
Bromomethane	50.0	39.0	78	30 - 160	
Carbon disulfide	50.0	43.1	86	45 - 160	
Carbon tetrachloride	50.0	48.0	96	65 - 135	
Chlorobenzene	50.0	48.6	97	75 - 125	
Bromodichloromethane	50.0	46.3	93	70 - 130	
Chloromethane	50.0	43.2	86	50 - 130	
cis-1,3-Dichloropropene	50.0	45.5	91	70 - 125	
Dibromochloromethane	50.0	43.0	86	65 - 130	
Ethylbenzene	50.0	50.7	101	75 - 125	
Methyl tert-butyl ether	50.0	50.5	101	70 - 130	
Methylene Chloride	50.0	52.1	104	55 - 140	
Styrene	50.0	52.8	106	75 - 125	
Tetrachloroethene	50.0	50.1	100	65 - 140	
Toluene	50.0	50.6	101	70 - 125	
Chloroform	50.0	50.0	100	70 - 125	
Bromochloromethane	50.0	49.9	100	70 - 125	
trans-1,3-Dichloropropene	50.0	46.4	93	65 - 125	
Trichloroethene	50.0	53.0	106	75 - 125	
Vinyl chloride	50.0	43.6	87	60 - 125	
Xylenes, Total	150	152	102	75 - 125	
Chloroethane	50.0	46.3	93	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	61 - 130
Toluene-d8 (Surr)	91	85 - 115
4-Bromofluorobenzene (Surr)	90	85 - 120
Dibromofluoromethane (Surr)	91	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Reporting Limit Check - Batch: 240-66419 **Method: 8260B/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-66419/22	Analysis Batch:	240-66419	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149488.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/27/2012 1848	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.00500	0.00467	93	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00463	93	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00477	95	70 - 130	
1,1-Dichloroethane	0.00500	0.00500	100	70 - 130	
1,1-Dichloroethene	0.00500	0.00520	104	70 - 130	
1,2-Dichloroethane	0.00500	0.00519	104	70 - 130	
1,2-Dichloropropane	0.00500	0.00510	102	70 - 130	
2-Butanone (MEK)	0.0100	0.0107	107	70 - 130	
2-Hexanone	0.0100	0.00940	94	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00947	95	70 - 130	J
Acetone	0.0100	0.0289	289	70 - 130	^
Benzene	0.00500	0.00506	101	70 - 130	
Bromoform	0.00500	0.00644	129	70 - 130	
Bromomethane	0.00500	0.00504	101	70 - 130	
Carbon disulfide	0.00500	0.00571	114	70 - 130	
Carbon tetrachloride	0.00500	0.00559	112	70 - 130	
Chlorobenzene	0.00500	0.00504	101	70 - 130	
Bromodichloromethane	0.00500	0.00584	117	70 - 130	
Chloromethane	0.00500	0.00490	98	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00597	119	70 - 130	
Dibromochloromethane	0.00500	0.00616	123	70 - 130	
Ethylbenzene	0.00500	0.00494	99	70 - 130	
Methyl tert-butyl ether	0.00500	0.00486	97	70 - 130	
Methylene Chloride	0.00500	0.00514	103	70 - 130	
Styrene	0.00500	0.00458	92	70 - 130	
Tetrachloroethene	0.00500	0.00499	100	70 - 130	
Toluene	0.00500	0.00516	103	70 - 130	
Chloroform	0.00500	0.00492	98	70 - 130	
Bromochloromethane	0.00500	0.00501	100	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00587	117	70 - 130	
Trichloroethene	0.00500	0.00501	100	70 - 130	
Vinyl chloride	0.00500	0.00508	102	70 - 130	
Xylenes, Total	0.0150	0.0151	101	70 - 130	
Chloroethane	0.00500	0.00435	87	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	50 - 150
Toluene-d8 (Surr)	89	50 - 150
4-Bromofluorobenzene (Surr)	87	50 - 150
Dibromofluoromethane (Surr)	85	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Blank - Batch: 240-66569

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-66569/21-A	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66569	Lab File ID:	21206004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/06/2012 1008	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Acenaphthene	3.3	U	3.3	6.7
Acenaphthylene	3.3	U	3.3	6.7
Anthracene	3.3	U	3.3	6.7
Benzo[a]anthracene	3.3	U	3.3	6.7
Benzo[a]pyrene	3.3	U	3.3	6.7
Benzo[b]fluoranthene	3.3	U	3.3	6.7
Benzo[g,h,i]perylene	3.3	U	3.3	6.7
Benzoic acid	330	U	330	660
Benzo[k]fluoranthene	3.3	U	3.3	6.7
Benzyl alcohol	27	U	21	330
Bis(2-chloroethoxy)methane	27	U	22	100
Bis(2-chloroethyl)ether	3.3	U	2.0	100
bis (2-chloroisopropyl) ether	27	U	9.5	100
Bis(2-ethylhexyl) phthalate	20.1	J	19	50
4-Bromophenyl phenyl ether	27	U	13	50
Butyl benzyl phthalate	27	U	10	50
Carbazole	27	U	27	50
4-Chloroaniline	27	U	17	150
4-Chloro-3-methylphenol	27	U	21	150
2-Chloronaphthalene	3.3	U	3.3	50
2-Chlorophenol	27	U	27	50
4-Chlorophenyl phenyl ether	27	U	13	50
Chrysene	3.3	U	1.1	6.7
Dibenz(a,h)anthracene	3.3	U	3.3	6.7
Dibenzofuran	3.3	U	3.3	50
1,2-Dichlorobenzene	27	U	9.7	50
1,3-Dichlorobenzene	27	U	11	50
1,4-Dichlorobenzene	27	U	20	50
3,3'-Dichlorobenzidine	80	U	18	100
2,4-Dichlorophenol	27	U	20	150
Diethyl phthalate	27	U	16	50
2,4-Dimethylphenol	80	U	20	150
Dimethyl phthalate	27	U	17	50
Di-n-butyl phthalate	27	U	15	50
4,6-Dinitro-2-methylphenol	80	U	80	150
2,4-Dinitrophenol	80	U	80	330
2,4-Dinitrotoluene	27	U	27	200
2,6-Dinitrotoluene	27	U	21	200
Di-n-octyl phthalate	27	U	27	50
Fluoranthene	3.3	U	3.3	6.7
Fluorene	3.3	U	3.3	6.7
Hexachlorobenzene	3.3	U	2.1	6.7
Hexachlorobutadiene	27	U	27	50
Hexachlorocyclopentadiene	27	U	27	330
Hexachloroethane	27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Blank - Batch: 240-66569

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-66569/21-A	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66569	Lab File ID:	21206004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/06/2012 1008	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Indeno[1,2,3-cd]pyrene	3.3	U	3.3	6.7
Isophorone	27	U	13	50
2-Methylnaphthalene	3.3	U	3.3	6.7
2-Methylphenol	80	U	80	200
3 & 4 Methylphenol	80	U	20	400
Naphthalene	3.3	U	3.3	6.7
2-Nitroaniline	27	U	9.1	200
3-Nitroaniline	80	U	16	200
4-Nitroaniline	27	U	26	200
Nitrobenzene	3.3	U	2.2	100
2-Nitrophenol	27	U	27	50
4-Nitrophenol	80	U	80	330
N-Nitrosodi-n-propylamine	27	U	27	50
N-Nitrosodiphenylamine	27	U	21	50
Pentachlorophenol	80	U	80	150
Phenanthrene	3.3	U	3.3	6.7
Phenol	27	U	27	50
Pyrene	3.3	U	3.3	6.7
1,2,4-Trichlorobenzene	27	U	27	50
2,4,5-Trichlorophenol	27	U	25	150
2,4,6-Trichlorophenol	80	U	80	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	74	45 - 105
2-Fluorophenol (Surr)	76	35 - 105
Nitrobenzene-d5 (Surr)	75	35 - 100
Phenol-d5 (Surr)	75	40 - 100
Terphenyl-d14 (Surr)	89	30 - 125
2,4,6-Tribromophenol (Surr)	71	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Control Sample - Batch: 240-66569

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-66569/22-A	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66569	Lab File ID:	21206005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/06/2012 1031	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	482	72	45 - 110	
Acenaphthylene	667	484	73	45 - 105	
Anthracene	667	534	80	55 - 105	
Benzo[a]anthracene	667	559	84	50 - 110	
Benzo[a]pyrene	667	508	76	50 - 110	
Benzo[b]fluoranthene	667	598	90	45 - 115	
Benzo[g,h,i]perylene	667	644	97	40 - 125	
Benzoic acid	667	330	45	0 - 110	U
Benzo[k]fluoranthene	667	587	88	45 - 125	
Benzyl alcohol	667	455	68	20 - 125	
Bis(2-chloroethoxy)methane	667	460	69	45 - 110	
Bis(2-chloroethyl)ether	667	453	68	40 - 105	
bis (2-chloroisopropyl) ether	667	437	66	20 - 115	
Bis(2-ethylhexyl) phthalate	667	557	83	45 - 125	
4-Bromophenyl phenyl ether	667	555	83	45 - 115	
Butyl benzyl phthalate	667	536	80	50 - 125	
Carbazole	667	548	82	45 - 115	
4-Chloroaniline	667	342	51	10 - 110	
4-Chloro-3-methylphenol	667	515	77	45 - 115	
2-Chloronaphthalene	667	468	70	45 - 105	
2-Chlorophenol	667	463	69	45 - 105	
4-Chlorophenyl phenyl ether	667	518	78	45 - 110	
Chrysene	667	574	86	55 - 110	
Dibenz(a,h)anthracene	667	573	86	40 - 125	
Dibenzofuran	667	488	73	50 - 105	
1,2-Dichlorobenzene	667	450	68	45 - 110	
1,3-Dichlorobenzene	667	428	64	40 - 100	
1,4-Dichlorobenzene	667	446	67	35 - 105	
3,3'-Dichlorobenzidine	667	329	49	10 - 130	
2,4-Dichlorophenol	667	491	74	45 - 110	
Diethyl phthalate	667	575	86	50 - 115	
2,4-Dimethylphenol	667	394	59	30 - 105	
Dimethyl phthalate	667	552	83	50 - 110	
Di-n-butyl phthalate	667	588	88	55 - 110	
4,6-Dinitro-2-methylphenol	667	490	73	30 - 135	
2,4-Dinitrophenol	667	410	62	15 - 130	
2,4-Dinitrotoluene	667	592	89	50 - 115	
2,6-Dinitrotoluene	667	570	85	50 - 110	
Di-n-octyl phthalate	667	530	80	40 - 130	
Fluoranthene	667	571	86	55 - 115	
Fluorene	667	508	76	50 - 110	
Hexachlorobenzene	667	536	80	45 - 120	
Hexachlorobutadiene	667	466	70	40 - 115	
Hexachloroethane	667	441	66	35 - 110	
Indeno[1,2,3-cd]pyrene	667	577	86	40 - 120	
Isophorone	667	492	74	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Control Sample - Batch: 240-66569

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-66569/22-A	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66569	Lab File ID:	21206005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/06/2012 1031	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	472	71	45 - 105	
2-Methylphenol	667	452	68	40 - 105	
3 & 4 Methylphenol	1330	917	69	40 - 105	
Naphthalene	667	475	71	40 - 105	
2-Nitroaniline	667	536	80	45 - 120	
3-Nitroaniline	667	516	77	25 - 110	
4-Nitroaniline	667	533	80	35 - 115	
Nitrobenzene	667	479	72	40 - 115	
2-Nitrophenol	667	481	72	40 - 110	
4-Nitrophenol	667	599	90	15 - 140	
N-Nitrosodi-n-propylamine	667	465	70	40 - 115	
N-Nitrosodiphenylamine	667	545	82	50 - 115	
Pentachlorophenol	667	436	65	25 - 120	
Phenanthrene	667	527	79	50 - 110	
Phenol	667	480	72	40 - 100	
Pyrene	667	527	79	45 - 125	
1,2,4-Trichlorobenzene	667	454	68	45 - 110	
2,4,5-Trichlorophenol	667	521	78	50 - 110	
2,4,6-Trichlorophenol	667	487	73	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	67	45 - 105
2-Fluorophenol (Surr)	69	35 - 105
Nitrobenzene-d5 (Surr)	68	35 - 100
Phenol-d5 (Surr)	70	40 - 100
Terphenyl-d14 (Surr)	82	30 - 125
2,4,6-Tribromophenol (Surr)	83	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66569

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17810-7	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66569	Lab File ID:	21206007.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.65 g
Analysis Date:	12/06/2012 1118			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

MSD Lab Sample ID:	240-17810-7	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66569	Lab File ID:	21206008.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.78 g
Analysis Date:	12/06/2012 1141			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	68	72	45 - 110	6	30	D	D
Acenaphthylene	60	68	45 - 105	11	30	D	D
Anthracene	61	65	55 - 105	7	30	D	D
Benzo[a]anthracene	66	73	50 - 110	10	30	D	D
Benzo[a]pyrene	62	67	50 - 110	8	30	D	D
Benzo[b]fluoranthene	55	64	45 - 115	15	30	D	D
Benzo[g,h,i]perylene	65	71	40 - 125	8	30	D	D
Benzoic acid	NC	NC	0 - 110	NC	30	U	U
Benzo[k]fluoranthene	63	62	45 - 125	3	30	D	D
Benzyl alcohol	54	64	20 - 125	16	30	J D	J D
Bis(2-chloroethoxy)methane	56	70	45 - 110	22	30	J D	J D
Bis(2-chloroethyl)ether	51	70	40 - 105	30	30	J D	J D
bis (2-chloroisopropyl) ether	53	66	20 - 115	22	30	J D	J D
Bis(2-ethylhexyl) phthalate	65	69	45 - 125	6	30	J D	J D
4-Bromophenyl phenyl ether	65	76	45 - 115	14	30	J D	D
Butyl benzyl phthalate	68	69	50 - 125	1	30	J D	J D
Carbazole	65	67	45 - 115	3	30	J D	J D
4-Chloroaniline	0	27	10 - 95	200	30	U J	D J
4-Chloro-3-methylphenol	60	69	45 - 115	13	30	J D	J D
2-Chloronaphthalene	60	70	45 - 105	14	30	J D	J D
2-Chlorophenol	54	73	45 - 105	29	30	J D	J D
4-Chlorophenyl phenyl ether	68	70	45 - 110	2	30	J D	J D
Chrysene	73	74	55 - 110	2	30	D	D
Dibenz(a,h)anthracene	67	74	40 - 125	9	30	D	D
Dibenzofuran	62	73	50 - 105	16	30	J D	J D
1,2-Dichlorobenzene	53	65	45 - 95	21	30	J D	J D
1,3-Dichlorobenzene	49	65	40 - 100	27	30	J D	J D
1,4-Dichlorobenzene	50	67	35 - 105	29	30	J D	J D
3,3'-Dichlorobenzidine	45	50	10 - 130	11	30	J D	J D
2,4-Dichlorophenol	61	69	45 - 110	11	30	J D	J D
Diethyl phthalate	66	72	50 - 115	8	30	J D	J D
2,4-Dimethylphenol	54	62	30 - 105	14	30	J D	J D
Dimethyl phthalate	70	76	50 - 110	8	30	J D	D

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66569

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17810-7	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66569	Lab File ID:	21206007.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.65 g
Analysis Date:	12/06/2012 1118			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

MSD Lab Sample ID:	240-17810-7	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66569	Lab File ID:	21206008.D
Dilution:	10	Leach Batch:	240-66441	Initial Weight/Volume:	29.78 g
Analysis Date:	12/06/2012 1141			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/19/2012 1200				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-butyl phthalate	64	67	55 - 110	5	30	J D	J D
4,6-Dinitro-2-methylphenol	NC	NC	30 - 135	NC	30	U	U
2,4-Dinitrophenol	NC	NC	15 - 130	200	30	U	D J
2,4-Dinitrotoluene	84	85	50 - 115	1	30	J D	J D
2,6-Dinitrotoluene	98	103	50 - 110	4	30	J D	J D
Di-n-octyl phthalate	69	71	40 - 130	2	30	J D	J D
Fluoranthene	67	72	55 - 115	7	30	D	D
Fluorene	62	73	50 - 110	16	30	D	D
Hexachlorobenzene	72	76	45 - 120	6	30	D	D
Hexachlorobutadiene	55	70	40 - 115	22	30	J D	J D
Hexachloroethane	46	61	35 - 110	28	30	J D	J D
Indeno[1,2,3-cd]pyrene	61	70	40 - 120	15	30	D	D
Isophorone	57	71	45 - 110	21	30	J D	J D
2-Methylnaphthalene	64	75	45 - 105	15	30	D	D
2-Methylphenol	NC	NC	40 - 105	NC	30	U	U
3 & 4 Methylphenol	58	69	40 - 105	17	30	J D	J D
Naphthalene	61	72	40 - 105	16	30	D	D
2-Nitroaniline	56	62	45 - 120	9	30	J D	J D
3-Nitroaniline	39	51	25 - 110	25	30	J D	J D
4-Nitroaniline	69	73	35 - 115	5	30	J D	J D
Nitrobenzene	56	67	40 - 115	18	30	J D	J D
2-Nitrophenol	67	87	40 - 110	26	30	J D	D
4-Nitrophenol	NC	NC	15 - 140	NC	30	U	U
N-Nitrosodi-n-propylamine	56	65	40 - 115	15	30	J D	J D
N-Nitrosodiphenylamine	59	67	50 - 115	12	30	J D	J D
Pentachlorophenol	NC	NC	25 - 120	NC	30	U	U
Phenanthrene	68	73	50 - 110	6	30	D	D
Phenol	59	72	40 - 100	19	30	J D	J D
Pyrene	62	67	45 - 125	8	30	D	D
1,2,4-Trichlorobenzene	57	68	45 - 110	17	30	J D	J D
2,4,5-Trichlorophenol	61	66	50 - 110	7	30	J D	J D
2,4,6-Trichlorophenol	NC	NC	45 - 110	NC	30	U	U

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	59	67	45 - 105
2-Fluorophenol (Surr)	55	67	35 - 105
Nitrobenzene-d5 (Surr)	52	62	35 - 100
Phenol-d5 (Surr)	58	68	40 - 100
Terphenyl-d14 (Surr)	68	72	30 - 125
2,4,6-Tribromophenol (Surr)	58	65	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66569

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17810-7	Units: ug/Kg		MSD Lab Sample ID:	240-17810-7
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	10
Analysis Date:	12/06/2012 1118			Analysis Date:	12/06/2012 1141
Prep Date:	11/28/2012 0947			Prep Date:	11/28/2012 0947
Leach Date:	11/19/2012 1200			Leach Date:	11/19/2012 1200

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	33	U	675	672	457	D	484	D
Acenaphthylene	33	U	675	672	408	D	457	D
Anthracene	33	U	675	672	412	D	439	D
Benzo[a]anthracene	33	U	675	672	447	D	492	D
Benzo[a]pyrene	33	U	675	672	416	D	451	D
Benzo[b]fluoranthene	33	U	675	672	373	D	432	D
Benzo[g,h,i]perylene	33	U	675	672	436	D	474	D
Benzoic acid	3300	U	675	672	3400	U	3400	U
Benzo[k]fluoranthene	33	U	675	672	424	D	413	D
Benzyl alcohol	270	U	675	672	367	J D	431	J D
Bis(2-chloroethoxy)methane	270	U	675	672	378	J D	471	J D
Bis(2-chloroethyl)ether	33	U	675	672	347	J D	467	J D
bis (2-chloroisopropyl) ether	270	U	675	672	355	J D	442	J D
Bis(2-ethylhexyl) phthalate	270	U	675	672	438	J D	465	J D
4-Bromophenyl phenyl ether	270	U	675	672	442	J D	511	D
Butyl benzyl phthalate	270	U	675	672	461	J D	464	J D
Carbazole	270	U	675	672	440	J D	453	J D
4-Chloroaniline	270	U	675	672	270	U J	183	D J
4-Chloro-3-methylphenol	270	U	675	672	406	J D	462	J D
2-Chloronaphthalene	33	U	675	672	408	J D	468	J D
2-Chlorophenol	270	U	675	672	363	J D	489	J D
4-Chlorophenyl phenyl ether	270	U	675	672	462	J D	469	J D
Chrysene	33	U	675	672	489	D	498	D
Dibenz(a,h)anthracene	33	U	675	672	453	D	498	D
Dibenzofuran	33	U	675	672	417	J D	491	J D
1,2-Dichlorobenzene	270	U	675	672	358	J D	439	J D
1,3-Dichlorobenzene	270	U	675	672	331	J D	436	J D
1,4-Dichlorobenzene	270	U	675	672	334	J D	447	J D
3,3'-Dichlorobenzidine	800	U	675	672	301	J D	335	J D
2,4-Dichlorophenol	270	U	675	672	414	J D	463	J D
Diethyl phthalate	270	U	675	672	446	J D	482	J D
2,4-Dimethylphenol	800	U	675	672	363	J D	419	J D
Dimethyl phthalate	270	U	675	672	471	J D	511	D
Di-n-butyl phthalate	270	U	675	672	430	J D	450	J D
4,6-Dinitro-2-methylphenol	800	U	675	672	810	U	810	U
2,4-Dinitrophenol	800	U	675	672	810	U	1560	D J
2,4-Dinitrotoluene	270	U	675	672	564	J D	568	J D
2,6-Dinitrotoluene	270	U	675	672	663	J D	692	J D
Di-n-octyl phthalate	270	U	675	672	464	J D	474	J D
Fluoranthene	33	U	675	672	452	D	484	D
Fluorene	33	U	675	672	421	D	493	D
Hexachlorobenzene	33	U	675	672	482	D	511	D
Hexachlorobutadiene	270	U	675	672	373	J D	467	J D

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66569

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17810-7	Units:	ug/Kg	MSD Lab Sample ID:	240-17810-7
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	10			Dilution:	10
Analysis Date:	12/06/2012 1118			Analysis Date:	12/06/2012 1141
Prep Date:	11/28/2012 0947			Prep Date:	11/28/2012 0947
Leach Date:	11/19/2012 1200			Leach Date:	11/19/2012 1200

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Hexachloroethane	270	U	675	672	308	J D	409	J D
Indeno[1,2,3-cd]pyrene	33	U	675	672	408	D	473	D
Isophorone	270	U	675	672	388	J D	478	J D
2-Methylnaphthalene	33	U	675	672	430	D	501	D
2-Methylphenol	800	U	675	672	810	U	810	U
3 & 4 Methylphenol	800	U	1350	1340	781	J D	930	J D
Naphthalene	33	U	675	672	408	D	480	D
2-Nitroaniline	270	U	675	672	377	J D	414	J D
3-Nitroaniline	800	U	675	672	264	J D	341	J D
4-Nitroaniline	270	U	675	672	468	J D	492	J D
Nitrobenzene	33	U	675	672	379	J D	452	J D
2-Nitrophenol	270	U	675	672	452	J D	587	D
4-Nitrophenol	800	U	675	672	810	U	810	U
N-Nitrosodi-n-propylamine	270	U	675	672	376	J D	437	J D
N-Nitrosodiphenylamine	270	U	675	672	401	J D	452	J D
Pentachlorophenol	800	U	675	672	810	U	810	U
Phenanthrene	33	U	675	672	458	D	488	D
Phenol	270	U	675	672	400	J D	481	J D
Pyrene	33	U	675	672	416	D	453	D
1,2,4-Trichlorobenzene	270	U	675	672	386	J D	457	J D
2,4,5-Trichlorophenol	270	U	675	672	414	J D	445	J D
2,4,6-Trichlorophenol	800	U	675	672	810	U	810	U

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Reporting Limit Check - Batch: 240-67544 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67544/3	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21206003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/06/2012 0941	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.01	100	70 - 130	
Acenaphthylene	5.00	5.07	101	70 - 130	
Anthracene	5.00	5.03	101	70 - 130	
Benzo[a]anthracene	5.00	5.06	101	70 - 130	
Benzo[a]pyrene	5.00	5.09	102	70 - 130	
Benzo[b]fluoranthene	5.00	5.21	104	70 - 130	
Benzo[g,h,i]perylene	5.00	5.42	108	70 - 130	
Benzoic acid	10.0	8.06	81	70 - 130	
Benzo[k]fluoranthene	5.00	5.63	113	70 - 130	
Benzyl alcohol	5.00	4.98	100	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.93	99	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.85	97	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.91	98	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.10	102	70 - 130	
Butyl benzyl phthalate	5.00	4.89	98	70 - 130	
Carbazole	5.00	5.04	101	70 - 130	
4-Chloro-3-methylphenol	5.00	5.08	102	70 - 130	
2-Chloronaphthalene	5.00	4.87	97	70 - 130	
2-Chlorophenol	5.00	5.05	101	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.18	104	70 - 130	
Chrysene	5.00	4.94	99	70 - 130	
Dibenz(a,h)anthracene	5.00	5.04	101	70 - 130	
Dibenzofuran	5.00	4.91	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.10	102	70 - 130	
1,3-Dichlorobenzene	5.00	4.95	99	70 - 130	
1,4-Dichlorobenzene	5.00	5.04	101	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.00	100	70 - 130	
2,4-Dichlorophenol	5.00	5.23	105	70 - 130	
Diethyl phthalate	5.00	5.04	101	70 - 130	
2,4-Dimethylphenol	5.00	4.99	100	70 - 130	
Dimethyl phthalate	5.00	5.19	104	70 - 130	
Di-n-butyl phthalate	5.00	5.07	101	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.33	87	70 - 130	
2,4-Dinitrophenol	10.0	8.30	83	70 - 130	
2,4-Dinitrotoluene	5.00	5.14	103	70 - 130	
2,6-Dinitrotoluene	5.00	5.04	101	70 - 130	
Di-n-octyl phthalate	5.00	4.64	93	70 - 130	
Fluoranthene	5.00	5.21	104	70 - 130	
Fluorene	5.00	4.97	99	70 - 130	
Hexachlorobenzene	5.00	5.16	103	70 - 130	
Hexachlorobutadiene	5.00	5.25	105	70 - 130	
Hexachloroethane	5.00	4.90	98	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.14	103	70 - 130	
Isophorone	5.00	5.01	100	70 - 130	
2-Methylnaphthalene	5.00	5.09	102	70 - 130	
2-Methylphenol	5.00	5.00	100	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Reporting Limit Check - Batch: 240-67544 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67544/3	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21206003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/06/2012 0941	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
3 & 4 Methylphenol	5.00	5.00	100	70 - 130	
Naphthalene	5.00	5.09	102	70 - 130	
2-Nitroaniline	5.00	5.10	102	70 - 130	
3-Nitroaniline	5.00	5.16	103	70 - 130	
4-Nitroaniline	5.00	5.00	100	70 - 130	
Nitrobenzene	5.00	5.16	103	70 - 130	
2-Nitrophenol	5.00	4.98	100	70 - 130	
4-Nitrophenol	5.00	4.99	100	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.92	98	70 - 130	
N-Nitrosodiphenylamine	5.00	5.03	101	70 - 130	
Pentachlorophenol	10.0	9.60	96	70 - 130	
Phenanthrene	5.00	4.81	96	70 - 130	
Phenol	5.00	4.92	98	70 - 130	
Pyrene	5.00	4.93	99	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.28	106	70 - 130	
2,4,5-Trichlorophenol	5.00	5.10	102	70 - 130	
2,4,6-Trichlorophenol	5.00	5.21	104	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	103		50 - 150
2-Fluorophenol (Surr)	98		50 - 150
Nitrobenzene-d5 (Surr)	103	Q	50 - 150
Phenol-d5 (Surr)	100		50 - 150
Terphenyl-d14 (Surr)	100		50 - 150
2,4,6-Tribromophenol (Surr)	111		50 - 150

Method Reporting Limit Check - Batch: 240-67544 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67544/25	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21206025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/06/2012 1816	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	5.00	5.06	101	70 - 130	
Acenaphthylene	5.00	5.05	101	70 - 130	
Anthracene	5.00	5.14	103	70 - 130	
Benzo[a]anthracene	5.00	5.39	108	70 - 130	
Benzo[a]pyrene	5.00	5.22	104	70 - 130	
Benzo[b]fluoranthene	5.00	5.55	111	70 - 130	
Benzo[g,h,i]perylene	5.00	5.39	108	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Reporting Limit Check - Batch: 240-67544 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67544/25	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21206025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/06/2012 1816	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzoic acid	10.0	7.75	77	70 - 130	
Benzo[k]fluoranthene	5.00	5.30	106	70 - 130	
Benzyl alcohol	5.00	4.98	100	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.17	103	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.87	97	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.38	108	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.57	111	70 - 130	
Butyl benzyl phthalate	5.00	5.38	108	70 - 130	
Carbazole	5.00	5.06	101	70 - 130	
4-Chloro-3-methylphenol	5.00	5.38	108	70 - 130	
2-Chloronaphthalene	5.00	5.24	105	70 - 130	
2-Chlorophenol	5.00	4.84	97	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.41	108	70 - 130	
Chrysene	5.00	5.40	108	70 - 130	
Dibenz(a,h)anthracene	5.00	5.01	100	70 - 130	
Dibenzofuran	5.00	5.05	101	70 - 130	
1,2-Dichlorobenzene	5.00	4.91	98	70 - 130	
1,3-Dichlorobenzene	5.00	4.87	97	70 - 130	
1,4-Dichlorobenzene	5.00	4.92	98	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.42	108	70 - 130	
2,4-Dichlorophenol	5.00	5.36	107	70 - 130	
Diethyl phthalate	5.00	5.09	102	70 - 130	
2,4-Dimethylphenol	5.00	5.39	108	70 - 130	
Dimethyl phthalate	5.00	5.10	102	70 - 130	
Di-n-butyl phthalate	5.00	5.25	105	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.40	88	70 - 130	
2,4-Dinitrophenol	10.0	7.41	74	70 - 130	
2,4-Dinitrotoluene	5.00	5.41	108	70 - 130	
2,6-Dinitrotoluene	5.00	5.25	105	70 - 130	
Di-n-octyl phthalate	5.00	5.20	104	70 - 130	
Fluoranthene	5.00	5.27	105	70 - 130	
Fluorene	5.00	5.08	102	70 - 130	
Hexachlorobenzene	5.00	5.32	106	70 - 130	
Hexachlorobutadiene	5.00	5.41	108	70 - 130	
Hexachloroethane	5.00	4.79	96	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.26	105	70 - 130	
Isophorone	5.00	5.32	106	70 - 130	
2-Methylnaphthalene	5.00	5.12	102	70 - 130	
2-Methylphenol	5.00	4.91	98	70 - 130	
3 & 4 Methylphenol	5.00	4.93	99	70 - 130	
Naphthalene	5.00	5.04	101	70 - 130	
2-Nitroaniline	5.00	5.20	104	70 - 130	
3-Nitroaniline	5.00	5.47	109	70 - 130	
4-Nitroaniline	5.00	5.29	106	70 - 130	
Nitrobenzene	5.00	5.42	108	70 - 130	
2-Nitrophenol	5.00	5.36	107	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Reporting Limit Check - Batch: 240-67544 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67544/25	Analysis Batch:	240-67544	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21206025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/06/2012 1816	Units:	ng/uL	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Nitrophenol	5.00	4.86	97	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.89	98	70 - 130	
N-Nitrosodiphenylamine	5.00	4.98	100	70 - 130	
Pentachlorophenol	10.0	9.74	97	70 - 130	
Phenanthrene	5.00	4.93	99	70 - 130	
Phenol	5.00	4.83	97	70 - 130	
Pyrene	5.00	5.21	104	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.50	110	70 - 130	
2,4,5-Trichlorophenol	5.00	5.43	109	70 - 130	
2,4,6-Trichlorophenol	5.00	5.29	106	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	105		50 - 150
2-Fluorophenol (Surr)	97		50 - 150
Nitrobenzene-d5 (Surr)	108	Q	50 - 150
Phenol-d5 (Surr)	98		50 - 150
Terphenyl-d14 (Surr)	109		50 - 150
2,4,6-Tribromophenol (Surr)	113		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Blank - Batch: 240-66624

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-66624/1-A	Analysis Batch:	240-67078	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/30/2012 1657	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hg	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-66624

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-66624/2-A	Analysis Batch:	240-67078	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-66624	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/30/2012 1701	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.833	0.709	85	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Method Blank - Batch: 240-67576

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 240-67576/9-A	Analysis Batch:	240-67855	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-67576	Lab File ID:	67576.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	12/07/2012 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/06/2012 1430				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Cr (VI)	0.80	U	0.27	0.80

Lab Control Sample Insoluble - Batch: 240-67576

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 240-67576/11-A	Analysis Batch:	240-67855	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-67576	Lab File ID:	67576.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	12/07/2012 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/06/2012 1430				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	643	551	86	75 - 125	

Lab Control Sample Soluble - Batch: 240-67576

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSS 240-67576/10-A	Analysis Batch:	240-67855	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-67576	Lab File ID:	67576.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	12/07/2012 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/06/2012 1430				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	20.0	21.0	105	90 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Duplicate - Batch: 240-67576

Method: 7196A
Preparation: 3060A

Lab Sample ID:	240-17810-9	Analysis Batch:	240-67855	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-67576	Lab File ID:	67576.txt
Dilution:	1.0	Leach Batch:	240-67471	Initial Weight/Volume:	2.5 g
Analysis Date:	12/07/2012 1510	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/06/2012 1430				
Leach Date:	11/19/2012 1200				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cr (VI)	0.33	J	0.373	11		J

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Duplicate - Batch: 240-66827

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-17810-6	Analysis Batch:	240-66827	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/29/2012 1445	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	84	83	0.5	20	
Percent Moisture	16	17	3	20	

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Duplicate - Batch: 240-67815 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-17810-19	Analysis Batch:	240-67815	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/07/2012 1342	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.002	20	
Percent Moisture	1.2	1.2	0.1	20	

Duplicate - Batch: 240-67815 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-17810-9	Analysis Batch:	240-67815	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/07/2012 1342	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	99	99	0.01	20	
Percent Moisture	1.2	1.2	1	20	

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Client: Environmental Chemical Corp. Job Number: 240-17810-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-65929					
LCS 240-65929/4	Lab Control Sample	T	Water	8260B/DoD	
MB 240-65929/6	Method Blank	T	Water	8260B/DoD	
240-17810-8	076SB-0075-0001-TB	T	Water	8260B/DoD	
Prep Batch: 240-66118					
240-17810-1	076SB-0068M-0001-SO	T	Solid	5035	
240-17810-2	076SB-0069M-0001-SO	T	Solid	5035	
240-17810-3	076SB-0070M-0001-SO	T	Solid	5035	
240-17810-4	076SB-0071M-0001-SO	T	Solid	5035	
240-17810-5	076SB-0072M-0001-SO	T	Solid	5035	
240-17810-6	076SB-0073M-0001-SO	T	Solid	5035	
240-17810-7	076SB-0074M-0001-SO	T	Solid	5035	
Analysis Batch:240-66419					
LCS 240-66419/7	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-66419/12	Method Blank	T	Solid	8260B/DoD	
240-17810-1	076SB-0068M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17810-2	076SB-0069M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17810-3	076SB-0070M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17810-4	076SB-0071M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17810-5	076SB-0072M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17810-6	076SB-0073M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17810-7	076SB-0074M-0001-SO	T	Solid	8260B/DoD	240-66118

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17810-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-66441					
240-17810-1	076SB-0068M-0001-SO	T	Solid	Increment, Prep	
240-17810-2	076SB-0069M-0001-SO	T	Solid	Increment, Prep	
240-17810-3	076SB-0070M-0001-SO	T	Solid	Increment, Prep	
240-17810-4	076SB-0071M-0001-SO	T	Solid	Increment, Prep	
240-17810-5	076SB-0072M-0001-SO	T	Solid	Increment, Prep	
240-17810-6	076SB-0073M-0001-SO	T	Solid	Increment, Prep	
240-17810-7	076SB-0074M-0001-SO	T	Solid	Increment, Prep	
240-17810-7MS	Matrix Spike	T	Solid	Increment, Prep	
240-17810-7MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
Prep Batch: 240-66569					
LCS 240-66569/22-A	Lab Control Sample	T	Solid	3540C	
MB 240-66569/21-A	Method Blank	T	Solid	3540C	
240-17810-1	076SB-0068M-0001-SO	T	Solid	3540C	240-66441
240-17810-2	076SB-0069M-0001-SO	T	Solid	3540C	240-66441
240-17810-3	076SB-0070M-0001-SO	T	Solid	3540C	240-66441
240-17810-4	076SB-0071M-0001-SO	T	Solid	3540C	240-66441
240-17810-5	076SB-0072M-0001-SO	T	Solid	3540C	240-66441
240-17810-6	076SB-0073M-0001-SO	T	Solid	3540C	240-66441
240-17810-7	076SB-0074M-0001-SO	T	Solid	3540C	240-66441
240-17810-7MS	Matrix Spike	T	Solid	3540C	240-66441
240-17810-7MSD	Matrix Spike Duplicate	T	Solid	3540C	240-66441
Analysis Batch:240-67544					
LCS 240-66569/22-A	Lab Control Sample	T	Solid	8270C/DoD	240-66569
MB 240-66569/21-A	Method Blank	T	Solid	8270C/DoD	240-66569
240-17810-1	076SB-0068M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17810-2	076SB-0069M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17810-3	076SB-0070M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17810-4	076SB-0071M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17810-5	076SB-0072M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17810-6	076SB-0073M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17810-7	076SB-0074M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17810-7MS	Matrix Spike	T	Solid	8270C/DoD	240-66569
240-17810-7MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-66569

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17810-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-66441					
240-17810-1	076SB-0068M-0001-SO	T	Solid	Increment, Prep	
240-17810-2	076SB-0069M-0001-SO	T	Solid	Increment, Prep	
240-17810-3	076SB-0070M-0001-SO	T	Solid	Increment, Prep	
240-17810-4	076SB-0071M-0001-SO	T	Solid	Increment, Prep	
240-17810-5	076SB-0072M-0001-SO	T	Solid	Increment, Prep	
240-17810-6	076SB-0073M-0001-SO	T	Solid	Increment, Prep	
240-17810-7	076SB-0074M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-66624					
LCS 240-66624/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-66624/1-A	Method Blank	T	Solid	7471A	
240-17810-1	076SB-0068M-0001-SO	T	Solid	7471A	240-66441
240-17810-2	076SB-0069M-0001-SO	T	Solid	7471A	240-66441
240-17810-3	076SB-0070M-0001-SO	T	Solid	7471A	240-66441
240-17810-4	076SB-0071M-0001-SO	T	Solid	7471A	240-66441
240-17810-5	076SB-0072M-0001-SO	T	Solid	7471A	240-66441
240-17810-6	076SB-0073M-0001-SO	T	Solid	7471A	240-66441
240-17810-7	076SB-0074M-0001-SO	T	Solid	7471A	240-66441
Analysis Batch:240-67078					
LCS 240-66624/2-A	Lab Control Sample	T	Solid	7471/DOD	240-66624
MB 240-66624/1-A	Method Blank	T	Solid	7471/DOD	240-66624
240-17810-1	076SB-0068M-0001-SO	T	Solid	7471/DOD	240-66624
240-17810-2	076SB-0069M-0001-SO	T	Solid	7471/DOD	240-66624
240-17810-3	076SB-0070M-0001-SO	T	Solid	7471/DOD	240-66624
240-17810-4	076SB-0071M-0001-SO	T	Solid	7471/DOD	240-66624
240-17810-5	076SB-0072M-0001-SO	T	Solid	7471/DOD	240-66624
240-17810-6	076SB-0073M-0001-SO	T	Solid	7471/DOD	240-66624
240-17810-7	076SB-0074M-0001-SO	T	Solid	7471/DOD	240-66624

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17810-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-66827					
240-17810-1	076SB-0068M-0001-SO	T	Solid	Moisture	
240-17810-2	076SB-0069M-0001-SO	T	Solid	Moisture	
240-17810-3	076SB-0070M-0001-SO	T	Solid	Moisture	
240-17810-4	076SB-0071M-0001-SO	T	Solid	Moisture	
240-17810-5	076SB-0072M-0001-SO	T	Solid	Moisture	
240-17810-6	076SB-0073M-0001-SO	T	Solid	Moisture	
240-17810-6DU	Duplicate	T	Solid	Moisture	
240-17810-7	076SB-0074M-0001-SO	T	Solid	Moisture	
Prep Batch: 240-67471					
240-17810-9	076SB-0076-0001-SO	T	Solid	Increment, Prep	
240-17810-9DU	Duplicate	T	Solid	Increment, Prep	
240-17810-10	076SB-0077-0001-SO	T	Solid	Increment, Prep	
240-17810-11	076SB-0078-0001-SO	T	Solid	Increment, Prep	
240-17810-12	076SB-0079-0001-SO	T	Solid	Increment, Prep	
240-17810-13	076SB-0080-0001-SO	T	Solid	Increment, Prep	
240-17810-14	076SB-0081-0001-SO	T	Solid	Increment, Prep	
240-17810-15	076SB-0082-0001-SO	T	Solid	Increment, Prep	
240-17810-16	076SB-0083-0001-SO	T	Solid	Increment, Prep	
240-17810-17	076SB-0084-0001-SO	T	Solid	Increment, Prep	
240-17810-18	076SB-0085-0001-SO	T	Solid	Increment, Prep	
240-17810-19	076SB-0086-0001-SO	T	Solid	Increment, Prep	
240-17810-20	076SB-0087-0001-SO	T	Solid	Increment, Prep	
240-17810-21	076SB-0088-0001-SO	T	Solid	Increment, Prep	
240-17810-22	076SB-0089-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-67576					
LCSI 240-67576/11-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 240-67576/10-A	Lab Control Sample Soluble	T	Solid	3060A	
MB 240-67576/9-A	Method Blank	T	Solid	3060A	
240-17810-9	076SB-0076-0001-SO	T	Solid	3060A	240-67471
240-17810-9DU	Duplicate	T	Solid	3060A	240-67471
240-17810-10	076SB-0077-0001-SO	T	Solid	3060A	240-67471
240-17810-11	076SB-0078-0001-SO	T	Solid	3060A	240-67471
240-17810-12	076SB-0079-0001-SO	T	Solid	3060A	240-67471
240-17810-13	076SB-0080-0001-SO	T	Solid	3060A	240-67471
240-17810-14	076SB-0081-0001-SO	T	Solid	3060A	240-67471
240-17810-15	076SB-0082-0001-SO	T	Solid	3060A	240-67471
240-17810-16	076SB-0083-0001-SO	T	Solid	3060A	240-67471
240-17810-17	076SB-0084-0001-SO	T	Solid	3060A	240-67471
240-17810-18	076SB-0085-0001-SO	T	Solid	3060A	240-67471
240-17810-19	076SB-0086-0001-SO	T	Solid	3060A	240-67471
240-17810-20	076SB-0087-0001-SO	T	Solid	3060A	240-67471
240-17810-21	076SB-0088-0001-SO	T	Solid	3060A	240-67471
240-17810-22	076SB-0089-0001-SO	T	Solid	3060A	240-67471

Client: Environmental Chemical Corp. Job Number: 240-17810-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-67815					
240-17810-9	076SB-0076-0001-SO	T	Solid	Moisture	
240-17810-9DU	Duplicate	T	Solid	Moisture	
240-17810-10	076SB-0077-0001-SO	T	Solid	Moisture	
240-17810-11	076SB-0078-0001-SO	T	Solid	Moisture	
240-17810-12	076SB-0079-0001-SO	T	Solid	Moisture	
240-17810-13	076SB-0080-0001-SO	T	Solid	Moisture	
240-17810-14	076SB-0081-0001-SO	T	Solid	Moisture	
240-17810-15	076SB-0082-0001-SO	T	Solid	Moisture	
240-17810-16	076SB-0083-0001-SO	T	Solid	Moisture	
240-17810-17	076SB-0084-0001-SO	T	Solid	Moisture	
240-17810-18	076SB-0085-0001-SO	T	Solid	Moisture	
240-17810-19	076SB-0086-0001-SO	T	Solid	Moisture	
240-17810-19DU	Duplicate	T	Solid	Moisture	
240-17810-20	076SB-0087-0001-SO	T	Solid	Moisture	
240-17810-21	076SB-0088-0001-SO	T	Solid	Moisture	
240-17810-22	076SB-0089-0001-SO	T	Solid	Moisture	
Analysis Batch:240-67855					
LCSI 240-67576/11-A	Lab Control Sample Insoluble	T	Solid	7196A	240-67576
LCSS 240-67576/10-A	Lab Control Sample Soluble	T	Solid	7196A	240-67576
MB 240-67576/9-A	Method Blank	T	Solid	7196A	240-67576
240-17810-9	076SB-0076-0001-SO	T	Solid	7196A	240-67576
240-17810-9DU	Duplicate	T	Solid	7196A	240-67576
240-17810-10	076SB-0077-0001-SO	T	Solid	7196A	240-67576
240-17810-11	076SB-0078-0001-SO	T	Solid	7196A	240-67576
240-17810-12	076SB-0079-0001-SO	T	Solid	7196A	240-67576
240-17810-13	076SB-0080-0001-SO	T	Solid	7196A	240-67576
240-17810-14	076SB-0081-0001-SO	T	Solid	7196A	240-67576
240-17810-15	076SB-0082-0001-SO	T	Solid	7196A	240-67576
240-17810-16	076SB-0083-0001-SO	T	Solid	7196A	240-67576
240-17810-17	076SB-0084-0001-SO	T	Solid	7196A	240-67576
240-17810-18	076SB-0085-0001-SO	T	Solid	7196A	240-67576
240-17810-19	076SB-0086-0001-SO	T	Solid	7196A	240-67576
240-17810-20	076SB-0087-0001-SO	T	Solid	7196A	240-67576
240-17810-21	076SB-0088-0001-SO	T	Solid	7196A	240-67576
240-17810-22	076SB-0089-0001-SO	T	Solid	7196A	240-67576

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Laboratory Chronicle

Lab ID: 240-17810-1 **Client ID: 076SB-0068M-0001-SO**

Sample Date/Time: 11/16/2012 09:40 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17810-B-1-A		240-66419	240-66118	11/17/2012 12:30	1	TAL NC	LM
A:8260B/DoD	240-17810-B-1-A		240-66419	240-66118	11/27/2012 14:51	1	TAL NC	SM
P:3540C	240-17810-E-1-B		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17810-E-1-B		240-67544	240-66569	12/06/2012 14:00	10	TAL NC	JG
P:7471A	240-17810-E-1-D		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17810-E-1-D		240-67078	240-66624	11/30/2012 17:10	1	TAL NC	DH
A:Moisture	240-17810-D-1		240-66827		11/29/2012 14:45	1	TAL NC	CN

Lab ID: 240-17810-2 **Client ID: 076SB-0069M-0001-SO**

Sample Date/Time: 11/16/2012 09:40 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17810-B-2-A		240-66419	240-66118	11/17/2012 12:30	1	TAL NC	LM
A:8260B/DoD	240-17810-B-2-A		240-66419	240-66118	11/27/2012 15:12	1	TAL NC	SM
P:3540C	240-17810-E-2-B		240-67544	240-66569	11/28/2012 09:47	2.5	TAL NC	AC
A:8270C/DoD	240-17810-E-2-B		240-67544	240-66569	12/06/2012 16:43	2.5	TAL NC	JG
P:7471A	240-17810-E-2-D		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17810-E-2-D		240-67078	240-66624	11/30/2012 17:12	1	TAL NC	DH
A:Moisture	240-17810-D-2		240-66827		11/29/2012 14:45	1	TAL NC	CN

Lab ID: 240-17810-3 **Client ID: 076SB-0070M-0001-SO**

Sample Date/Time: 11/16/2012 09:25 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17810-B-3-A		240-66419	240-66118	11/17/2012 12:30	1	TAL NC	LM
A:8260B/DoD	240-17810-B-3-A		240-66419	240-66118	11/27/2012 15:34	1	TAL NC	SM
P:3540C	240-17810-E-3-B		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17810-E-3-B		240-67544	240-66569	12/06/2012 14:23	10	TAL NC	JG
P:7471A	240-17810-E-3-D		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17810-E-3-D		240-67078	240-66624	11/30/2012 17:13	1	TAL NC	DH
A:Moisture	240-17810-D-3		240-66827		11/29/2012 14:45	1	TAL NC	CN

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Laboratory Chronicle

Lab ID: 240-17810-4 **Client ID: 076SB-0071M-0001-SO**

Sample Date/Time: 11/16/2012 09:15 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17810-B-4-A		240-66419	240-66118	11/17/2012 12:30	1	TAL NC	LM
A:8260B/DoD	240-17810-B-4-A		240-66419	240-66118	11/27/2012 15:55	1	TAL NC	SM
P:3540C	240-17810-E-4-B		240-67544	240-66569	11/28/2012 09:47	2.5	TAL NC	AC
A:8270C/DoD	240-17810-E-4-B		240-67544	240-66569	12/06/2012 17:06	2.5	TAL NC	JG
P:7471A	240-17810-E-4-D		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17810-E-4-D		240-67078	240-66624	11/30/2012 17:14	1	TAL NC	DH
A:Moisture	240-17810-D-4		240-66827		11/29/2012 14:45	1	TAL NC	CN

Lab ID: 240-17810-5 **Client ID: 076SB-0072M-0001-SO**

Sample Date/Time: 11/16/2012 09:05 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17810-C-5-A		240-66419	240-66118	11/17/2012 12:30	1	TAL NC	LM
A:8260B/DoD	240-17810-C-5-A		240-66419	240-66118	11/27/2012 18:05	1	TAL NC	SM
P:3540C	240-17810-E-5-B		240-67544	240-66569	11/28/2012 09:47	2.5	TAL NC	AC
A:8270C/DoD	240-17810-E-5-B		240-67544	240-66569	12/06/2012 17:30	2.5	TAL NC	JG
P:7471A	240-17810-E-5-D		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17810-E-5-D		240-67078	240-66624	11/30/2012 17:18	1	TAL NC	DH
A:Moisture	240-17810-D-5		240-66827		11/29/2012 14:45	1	TAL NC	CN

Lab ID: 240-17810-6 **Client ID: 076SB-0073M-0001-SO**

Sample Date/Time: 11/16/2012 09:00 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17810-B-6-A		240-66419	240-66118	11/17/2012 12:30	1	TAL NC	LM
A:8260B/DoD	240-17810-B-6-A		240-66419	240-66118	11/27/2012 16:38	1	TAL NC	SM
P:3540C	240-17810-E-6-B		240-67544	240-66569	11/28/2012 09:47	2.5	TAL NC	AC
A:8270C/DoD	240-17810-E-6-B		240-67544	240-66569	12/06/2012 17:53	2.5	TAL NC	JG
P:7471A	240-17810-E-6-D		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17810-E-6-D		240-67078	240-66624	11/30/2012 17:20	1	TAL NC	DH
A:Moisture	240-17810-D-6		240-66827		11/29/2012 14:45	1	TAL NC	CN

Lab ID: 240-17810-6 DU **Client ID: 076SB-0073M-0001-SO**

Sample Date/Time: 11/16/2012 09:00 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-17810-D-6 DU		240-66827		11/29/2012 14:45	1	TAL NC	CN

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Laboratory Chronicle

Lab ID: 240-17810-7 **Client ID: 076SB-0074M-0001-SO**

Sample Date/Time: 11/16/2012 09:35 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17810-B-7-A		240-66419	240-66118	11/17/2012 12:30	1	TAL NC	LM
A:8260B/DoD	240-17810-B-7-A		240-66419	240-66118	11/27/2012 17:00	1	TAL NC	SM
P:3540C	240-17810-E-7-B		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17810-E-7-B		240-67544	240-66569	12/06/2012 10:55	10	TAL NC	JG
P:7471A	240-17810-E-7-F		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17810-E-7-F		240-67078	240-66624	11/30/2012 17:21	1	TAL NC	DH
A:Moisture	240-17810-D-7		240-66827		11/29/2012 14:45	1	TAL NC	CN

Lab ID: 240-17810-7 MS **Client ID: 076SB-0074M-0001-SO**

Sample Date/Time: 11/16/2012 09:35 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17810-E-7-C MS		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17810-E-7-C MS		240-67544	240-66569	12/06/2012 11:18	10	TAL NC	JG

Lab ID: 240-17810-7 MSD **Client ID: 076SB-0074M-0001-SO**

Sample Date/Time: 11/16/2012 09:35 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17810-E-7-D MSD		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17810-E-7-D MSD		240-67544	240-66569	12/06/2012 11:41	10	TAL NC	JG

Lab ID: 240-17810-8 **Client ID: 076SB-0075-0001-TB**

Sample Date/Time: 11/16/2012 08:00 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-17810-A-8		240-65929		11/21/2012 15:18	1	TAL NC	RQ
A:8260B/DoD	240-17810-A-8		240-65929		11/21/2012 15:18	1	TAL NC	RQ

Lab ID: 240-17810-9 **Client ID: 076SB-0076-0001-SO**

Sample Date/Time: 11/16/2012 11:45 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-D-9-C		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-D-9-C		240-67855	240-67576	12/07/2012 15:08	1	TAL NC	LG
A:Moisture	240-17810-B-9		240-67815		12/07/2012 13:42	1	TAL NC	JB

Client: Environmental Chemical Corp. Job Number: 240-17810-1

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Lab ID: 240-17810-9 **Client ID: 076SB-0076-0001-SO**

Sample Date/Time: 11/16/2012 11:45 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-D-9-D DU		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-D-9-D DU		240-67855	240-67576	12/07/2012 15:10	1	TAL NC	LG
A:Moisture	240-17810-A-9 DU		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-10 **Client ID: 076SB-0077-0001-SO**

Sample Date/Time: 11/16/2012 12:00 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-10-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-10-B		240-67855	240-67576	12/07/2012 15:11	1	TAL NC	LG
A:Moisture	240-17810-A-10		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-11 **Client ID: 076SB-0078-0001-SO**

Sample Date/Time: 11/16/2012 12:15 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-11-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-11-B		240-67855	240-67576	12/07/2012 15:16	1	TAL NC	LG
A:Moisture	240-17810-A-11		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-12 **Client ID: 076SB-0079-0001-SO**

Sample Date/Time: 11/16/2012 16:00 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-12-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-12-B		240-67855	240-67576	12/07/2012 15:17	1	TAL NC	LG
A:Moisture	240-17810-A-12		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-13 **Client ID: 076SB-0080-0001-SO**

Sample Date/Time: 11/16/2012 15:25 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-13-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-13-B		240-67855	240-67576	12/07/2012 15:58	1	TAL NC	LG
A:Moisture	240-17810-A-13		240-67815		12/07/2012 13:42	1	TAL NC	JB

Client: Environmental Chemical Corp. Job Number: 240-17810-1

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Lab ID: 240-17810-14 **Client ID: 076SB-0081-0001-SO**

Sample Date/Time: 11/16/2012 15:50 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-14-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-14-B		240-67855	240-67576	12/07/2012 15:58	1	TAL NC	LG
A:Moisture	240-17810-A-14		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-15 **Client ID: 076SB-0082-0001-SO**

Sample Date/Time: 11/16/2012 14:00 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-15-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-15-B		240-67855	240-67576	12/07/2012 15:58	1	TAL NC	LG
A:Moisture	240-17810-A-15		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-16 **Client ID: 076SB-0083-0001-SO**

Sample Date/Time: 11/16/2012 16:20 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-16-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-16-B		240-67855	240-67576	12/07/2012 15:58	1	TAL NC	LG
A:Moisture	240-17810-A-16		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-17 **Client ID: 076SB-0084-0001-SO**

Sample Date/Time: 11/16/2012 16:50 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-17-B ^5		240-67855	240-67576	12/06/2012 14:30	5	TAL NC	CN
A:7196A	240-17810-C-17-B ^5		240-67855	240-67576	12/07/2012 15:58	5	TAL NC	LG
A:Moisture	240-17810-A-17		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-18 **Client ID: 076SB-0085-0001-SO**

Sample Date/Time: 11/16/2012 17:00 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-18-B ^5		240-67855	240-67576	12/06/2012 14:30	5	TAL NC	CN
A:7196A	240-17810-C-18-B ^5		240-67855	240-67576	12/07/2012 15:58	5	TAL NC	LG
A:Moisture	240-17810-A-18		240-67815		12/07/2012 13:42	1	TAL NC	JB

Client: Environmental Chemical Corp. Job Number: 240-17810-1

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Lab ID: 240-17810-19 **Client ID: 076SB-0086-0001-SO**

Sample Date/Time: 11/16/2012 12:45 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-19-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-19-B		240-67855	240-67576	12/07/2012 15:59	1	TAL NC	LG
A:Moisture	240-17810-A-19		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-19 DU **Client ID: 076SB-0086-0001-SO**

Sample Date/Time: 11/16/2012 12:45 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-17810-A-19 DU		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-20 **Client ID: 076SB-0087-0001-SO**

Sample Date/Time: 11/16/2012 17:20 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-20-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-20-B		240-67855	240-67576	12/07/2012 15:45	1	TAL NC	LG
A:Moisture	240-17810-A-20		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-21 **Client ID: 076SB-0088-0001-SO**

Sample Date/Time: 11/16/2012 16:40 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-21-B ^25		240-67855	240-67576	12/06/2012 14:30	25	TAL NC	CN
A:7196A	240-17810-C-21-B ^25		240-67855	240-67576	12/07/2012 15:59	25	TAL NC	LG
A:Moisture	240-17810-A-21		240-67815		12/07/2012 13:42	1	TAL NC	JB

Lab ID: 240-17810-22 **Client ID: 076SB-0089-0001-SO**

Sample Date/Time: 11/16/2012 11:45 Received Date/Time: 11/17/2012 11:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	240-17810-C-22-B		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	240-17810-C-22-B		240-67855	240-67576	12/07/2012 15:50	1	TAL NC	LG
A:Moisture	240-17810-A-22		240-67815		12/07/2012 13:42	1	TAL NC	JB

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 240-65929/6		240-65929		11/21/2012 11:58	1	TAL NC	RQ
A:8260B/DoD	MB 240-65929/6		240-65929		11/21/2012 11:58	1	TAL NC	RQ
A:8260B/DoD	MB 240-66419/12		240-66419		11/27/2012 14:29	1	TAL NC	SM
P:3540C	MB 240-66569/21-A		240-67544	240-66569	11/28/2012 09:47	1	TAL NC	AC
A:8270C/DoD	MB 240-66569/21-A		240-67544	240-66569	12/06/2012 10:08	1	TAL NC	JG
P:7471A	MB 240-66624/1-A		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	MB 240-66624/1-A		240-67078	240-66624	11/30/2012 16:57	1	TAL NC	DH
P:3060A	MB 240-67576/9-A		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	MB 240-67576/9-A		240-67855	240-67576	12/07/2012 00:00	1	TAL NC	LG

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 240-65929/4		240-65929		11/21/2012 11:14	1	TAL NC	RQ
A:8260B/DoD	LCS 240-65929/4		240-65929		11/21/2012 11:14	1	TAL NC	RQ
A:8260B/DoD	LCS 240-66419/7		240-66419		11/27/2012 13:03	1	TAL NC	SM
P:3540C	LCS 240-66569/22-A		240-67544	240-66569	11/28/2012 09:47	1	TAL NC	AC
A:8270C/DoD	LCS 240-66569/22-A		240-67544	240-66569	12/06/2012 10:31	1	TAL NC	JG
P:7471A	LCS 240-66624/2-A		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	LCS 240-66624/2-A		240-67078	240-66624	11/30/2012 17:01	1	TAL NC	DH

Lab ID: MRL **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MRL 240-65929/7		240-65929		11/21/2012 12:30	1	TAL NC	RQ
A:8260B/DoD	MRL 240-65929/7		240-65929		11/21/2012 12:30	1	TAL NC	RQ
P:5030B	MRL 240-65929/20		240-65929		11/21/2012 17:29	1	TAL NC	RQ
A:8260B/DoD	MRL 240-65929/20		240-65929		11/21/2012 17:29	1	TAL NC	RQ
A:8260B/DoD	MRL 240-66419/5		240-66419		11/27/2012 12:20	1	TAL NC	SM
A:8260B/DoD	MRL 240-66419/22		240-66419		11/27/2012 18:48	1	TAL NC	SM
A:8270C/DoD	MRL 240-67544/3		240-67544		12/06/2012 09:41	1	TAL NC	JG
A:8270C/DoD	MRL 240-67544/25		240-67544		12/06/2012 18:16	1	TAL NC	JG

Client: Environmental Chemical Corp. Job Number: 240-17810-1

Laboratory Chronicle

Lab ID: **LCSI** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	LCSI 240-67576/11-A		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
P:3060A	LCSS 240-67576/10-A		240-67855	240-67576	12/06/2012 14:30	1	TAL NC	CN
A:7196A	LCSI 240-67576/11-A		240-67855	240-67576	12/07/2012 00:00	1	TAL NC	LG
A:7196A	LCSS 240-67576/10-A		240-67855	240-67576	12/07/2012 00:00	1	TAL NC	LG

Lab References:
TAL NC = TestAmerica Canton

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EXBNALCS1_00030	06/30/13	11/15/12	MEOH, Lot 123279	200 mL	EXBNALCS_00009	40 mL	1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	40 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Aniline	20.02 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di(2-ethylhexyl)adipate	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20.02 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
.EXBNALCS_00009	06/30/13		SUPELCO, Lot LB93716		(Purchased Reagent)		1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Aniline	100.1 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di(2-ethylhexyl)adipate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100.1 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
EXBNASURRW_00020	07/31/15	10/26/12	MEOH, Lot 123279	2000 mL	EXBNASURR_00007	400 mL	2,4,6-Tribromophenol (Surr)	30 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	30 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	30 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.EXBNASURR_00007	07/31/15		SUPELCO, Lot lb88729		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	150 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	150 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	150 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
EXRESTEKSPKW_00016	12/20/12	10/26/12	MEOH, Lot 123279	200 mL	EXBNARESSPK_00006	40 mL	1,1'-Biphenyl	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2-Picoline	20 ug/mL
							Acetophenone	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							Chloroacetophenone	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Phenacetin	20 ug/mL
							Phorate	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
							Safrole, Total	20 ug/mL
.EXBNARESSPK_00006	12/13/13		Restek, Lot A089172		(Purchased Reagent)		1,1'-Biphenyl	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2-Picoline	100 ug/mL
							Acetophenone	100 ug/mL
							Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroacetophenone	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Phenacetin	100 ug/mL
							Phorate	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
							Safrole, Total	100 ug/mL
MTAQUAREGIA_00399	11/28/12	11/28/12	NA, Lot NA	320 mL	MTHCL_00047	240 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00037	80 mL	Nitric acid	0.25 mL/mL
.MTHCL_00047	11/12/14	Macron Chemical, Lot 0000013500			(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00037	11/12/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00401	11/30/12	11/30/12	NA, Lot NA	320 mL	MTHCL_00048	240 mL	Hydrogen Chloride	0.75 mL/mL
					MTHNO3_00037	80 mL	Nitric acid	0.25 mL/mL
.MTHCL_00048	11/21/14	Macron Chemical, Lot 0000013500			(Purchased Reagent)		Hydrogen Chloride	100 %
.MTHNO3_00037	11/12/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTHGCALW_00286	11/30/12	11/30/12	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00006	1 mL	Hg	100 ug/L
					MTHNO3_00037	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00006	08/20/13	High Purity, Lot 1221902			(Purchased Reagent)		Hg	10 ug/mL
.MTHNO3_00037	11/12/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00437	11/28/12	11/28/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Hg	500 ug/L
					MTHNO3_00036	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14	CPI, Lot 10E072			(Purchased Reagent)		Hg	50 ug/mL
.MTHNO3_00036	10/26/14	Macron Chemicals, Lot L08022			(Purchased Reagent)		Nitric acid	100 %
MTHGICVW_00439	11/30/12	11/30/12	DIWATER, Lot DIWATER	100 mL	MTHgStd_00007	1 mL	Hg	500 ug/L
					MTHNO3_00036	0.15 mL	Nitric acid	1500000 ug/L
.MTHgStd_00007	02/16/14	CPI, Lot 10E072			(Purchased Reagent)		Hg	50 ug/mL
.MTHNO3_00036	10/26/14	Macron Chemicals, Lot L08022			(Purchased Reagent)		Nitric acid	100 %
MTKMnO4Liq_00006	10/31/14	Ricca Chemical Company, Lot 2210830			(Purchased Reagent)		Potassium Permanganate	1 g
SMDoDSS Ind W_00001	08/31/13	02/16/12	MECL2, Lot K48E14	10 mL	SMDoDSSInd ST_00001	1 mL	1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SMDoDSSInd ST_00001	08/31/13	02/16/12	MECL2, Lot K48E14	10 mL	SMDoD IND SS_00001	1 mL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzoic acid	200 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
..SMDoD IND SS_00001	08/31/13		Sigma-Aldrich, Lot LB90764		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3,3'-Dichlorobenzidine	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	1000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzoic acid	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
SMTCL L1 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	2 uL	2,4-Dinitrophenol	0.2 ug/mL
							Benzoic acid	0.2 ug/mL
							Pentachlorophenol	0.2 ug/mL
					SMTCL DPH ST_00003	2 uL	1,4-Dichlorobenzene	0.1 ug/mL
							2,4,5-Trichlorophenol	0.1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.1 ug/mL
							2,4,6-Trichlorophenol	0.1 ug/mL
							2,4-Dichlorophenol	0.1 ug/mL
							2,4-Dimethylphenol	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	0.2 ug/mL
							2-Chlorophenol	0.1 ug/mL
							2-Fluorophenol (Surr)	0.1 ug/mL
							2-Methylphenol	0.1 ug/mL
							2-Nitrophenol	0.1 ug/mL
							3 & 4 Methylphenol	0.1 ug/mL
							4,6-Dinitro-2-methylphenol	0.1 ug/mL
							4-Chloro-3-methylphenol	0.1 ug/mL
							4-Nitrophenol	0.1 ug/mL
							Benzoic acid	0.2 ug/mL
							Benzyl alcohol	0.1 ug/mL
							Pentachlorophenol	0.2 ug/mL
							Phenol	0.1 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							2-Nitroaniline	0.1 ug/mL
							3,3'-Dichlorobenzidine	0.1 ug/mL
							3-Nitroaniline	0.1 ug/mL
							4-Nitroaniline	0.1 ug/mL
							N-Nitrosodi-n-propylamine	0.1 ug/mL
							N-Nitrosodiphenylamine	0.1 ug/mL
							1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Bis(2-ethylhexyl) phthalate	0.1 ug/mL
							Butyl benzyl phthalate	0.1 ug/mL
							Carbazole	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Di-n-butyl phthalate	0.1 ug/mL
							Di-n-octyl phthalate	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Diethyl phthalate	0.1 ug/mL
							Dimethyl phthalate	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Isophorone	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	0.1 ug/mL
							1,2-Dichlorobenzene	0.1 ug/mL
							1,3-Dichlorobenzene	0.1 ug/mL
							2,4-Dinitrotoluene	0.1 ug/mL
							2,6-Dinitrotoluene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							4-Bromophenyl phenyl ether	0.1 ug/mL
							4-Chlorophenyl phenyl ether	0.1 ug/mL
							Benzaldehyde	0.1 ug/mL
							Bis(2-chloroethoxy)methane	0.1 ug/mL
							Bis(2-chloroethyl)ether	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachlorocyclopentadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL
							Nitrobenzene	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Anthracene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L2 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	10 uL	2,4-Dinitrophenol	1 ug/mL
							Benzoic acid	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	1 ug/mL
					SMTCL DPH ST_00003	10 uL	1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							2,3,5,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Nitrophenol	0.5 ug/mL
							Benzoic acid	1 ug/mL
							Benzyl alcohol	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenol	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							2,4-Toluene diamine	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							3,3'-Dichlorobenzidine	0.5 ug/mL
							3,3'-Dimethoxybenzidine	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							Aniline	0.5 ug/mL
							Atrazine	0.5 ug/mL
							Benzidine	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	0.5 ug/mL
							Pyridine	0.5 ug/mL
							1,1'-Biphenyl	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Caprolactam	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL
							Ethyl methacrylate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Phenanthrene	0.5 ug/mL
							Pyrene	0.5 ug/mL
							1,2,3,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Dinitrobenzene	0.5 ug/mL
							1,3,5-Trichlorobenzene	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							3-Chloropropionitrile	0.5 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							Benzaldehyde	0.5 ug/mL
							bis (2-chloroisopropyl) ether	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Malononitrile	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L3 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	20 uL	2,4-Dinitrophenol	2 ug/mL
							Benzoic acid	2 ug/mL
							Pentachlorophenol	2 ug/mL
					SMTCL DPH ST_00003	20 uL	1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							2,3,5,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Nitrophenol	1 ug/mL
							Benzoic acid	2 ug/mL
							Benzyl alcohol	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2 ug/mL
							Phenol	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							2,4-Toluene diamine	1 ug/mL
							2-Nitroaniline	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							3,3'-Dimethoxybenzidine	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Nitroaniline	1 ug/mL
							Aniline	1 ug/mL
							Atrazine	1 ug/mL
							Benzidine	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							Pyridine	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Caprolactam	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Ethyl methacrylate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	1 ug/mL
							Naphthalene	1 ug/mL
							Phenanthrene	1 ug/mL
							Pyrene	1 ug/mL
							1,2,3,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Dinitrobenzene	1 ug/mL
							1,3,5-Trichlorobenzene	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							3-Chloropropionitrile	1 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							Benzaldehyde	1 ug/mL
							bis (2-chloroisopropyl) ether	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Malononitrile	1 ug/mL
							Nitrobenzene	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14	Restek, Lot A081933			(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SMTCL L4 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	40 uL	2,4-Dinitrophenol	4 ug/mL
							Benzoic acid	4 ug/mL
							Pentachlorophenol	4 ug/mL
					SMTCL DPH ST_00003	40 uL	1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							2,3,5,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Nitrophenol	2 ug/mL
							Benzoic acid	4 ug/mL
							Benzyl alcohol	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenol	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							2,4-Toluene diamine	2 ug/mL
							2-Nitroaniline	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							3,3'-Dimethoxybenzidine	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Nitroaniline	2 ug/mL
							Aniline	2 ug/mL
							Atrazine	2 ug/mL
							Benzidine	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							Pyridine	2 ug/mL
							1,1'-Biphenyl	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Caprolactam	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Ethyl methacrylate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							Naphthalene	2 ug/mL
							Phenanthrene	2 ug/mL
							Pyrene	2 ug/mL
							1,2,3,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Dinitrobenzene	2 ug/mL
							1,3,5-Trichlorobenzene	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							3-Chloropropionitrile	2 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							Benzaldehyde	2 ug/mL
							bis (2-chloroisopropyl) ether	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Malononitrile	2 ug/mL
							Nitrobenzene	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L5 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	100 uL	2,4-Dinitrophenol	10 ug/mL
							Benzoic acid	10 ug/mL
							Pentachlorophenol	10 ug/mL
					SMTCL DPH ST_00003	100 uL	1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							2,3,5,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							4,6-Dinitro-2-methylphenol	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Nitrophenol	5 ug/mL
							Benzoic acid	10 ug/mL
							Benzyl alcohol	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenol	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							2,4-Toluene diamine	5 ug/mL
							2-Nitroaniline	5 ug/mL
							3,3'-Dichlorobenzidine	5 ug/mL
							3,3'-Dimethoxybenzidine	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Nitroaniline	5 ug/mL
							Aniline	5 ug/mL
							Atrazine	5 ug/mL
							Benzidine	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							Pyridine	5 ug/mL
							1,1'-Biphenyl	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Caprolactam	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Ethyl methacrylate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							Naphthalene	5 ug/mL
							Phenanthrene	5 ug/mL
							Pyrene	5 ug/mL
							1,2,3,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Dinitrobenzene	5 ug/mL
							1,3,5-Trichlorobenzene	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							3-Chloropropionitrile	5 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							Benzaldehyde	5 ug/mL
							bis (2-chloroisopropyl) ether	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Malononitrile	5 ug/mL
							Nitrobenzene	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14		UltraScientific, Lot CH-1761		(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L6 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	200 uL	2,4-Dinitrophenol	20 ug/mL
							Benzoic acid	20 ug/mL
							Pentachlorophenol	20 ug/mL
					SMTCL DPH ST_00003	200 uL	1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							2,3,5,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Nitrophenol	10 ug/mL
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenol	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							2,4-Toluene diamine	10 ug/mL
							2-Nitroaniline	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							3,3'-Dimethoxybenzidine	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Nitroaniline	10 ug/mL
							Aniline	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Pyridine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Caprolactam	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Ethyl methacrylate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							1,2,3,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Dinitrobenzene	10 ug/mL
							1,3,5-Trichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	10 ug/mL
							3-Chloropropionitrile	10 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							Benzaldehyde	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Malononitrile	10 ug/mL
							Nitrobenzene	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L7 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	300 uL	2,4-Dinitrophenol	30 ug/mL
							Benzoic acid	30 ug/mL
							Pentachlorophenol	30 ug/mL
					SMTCL DPH ST_00003	300 uL	1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							2,3,5,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							4,6-Dinitro-2-methylphenol	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Nitrophenol	15 ug/mL
							Benzoic acid	30 ug/mL
							Benzyl alcohol	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenol	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL
							2,4-Toluene diamine	15 ug/mL
							2-Nitroaniline	15 ug/mL
							3,3'-Dichlorobenzidine	15 ug/mL
							3,3'-Dimethoxybenzidine	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Nitroaniline	15 ug/mL
							Aniline	15 ug/mL
							Atrazine	15 ug/mL
							Benzidine	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	15 ug/mL
							Pyridine	15 ug/mL
							1,1'-Biphenyl	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Caprolactam	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Ethyl methacrylate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							Naphthalene	15 ug/mL
							Phenanthrene	15 ug/mL
							Pyrene	15 ug/mL
							1,2,3,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Dinitrobenzene	15 ug/mL
							1,3,5-Trichlorobenzene	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							3-Chloropropionitrile	15 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							Benzaldehyde	15 ug/mL
							bis (2-chloroisopropyl) ether	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Malononitrile	15 ug/mL
							Nitrobenzene	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L8 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	400 uL	2,4-Dinitrophenol	40 ug/mL
							Benzoic acid	40 ug/mL
							Pentachlorophenol	40 ug/mL
					SMTCL DPH ST_00003	400 uL	1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Nitrophenol	20 ug/mL
							Benzoic acid	40 ug/mL
							Benzyl alcohol	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenol	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							2,4-Toluene diamine	20 ug/mL
							2-Nitroaniline	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dichlorobenzidine	20 ug/mL
							3,3'-Dimethoxybenzidine	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Nitroaniline	20 ug/mL
							Aniline	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Pyridine	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Caprolactam	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Ethyl methacrylate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							Naphthalene	20 ug/mL
							Phenanthrene	20 ug/mL
							Pyrene	20 ug/mL
							1,2,3,5-Tetrachlorobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Dinitrobenzene	20 ug/mL
							1,3,5-Trichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							3-Chloropropionitrile	20 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							Benzaldehyde	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Malononitrile	20 ug/mL
							Nitrobenzene	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
SMTCL L9 W_00007	04/30/13	09/10/12	MECL2, Lot 0000001289	2 mL	SMIS80PPMW_00006	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	4 ug/mL
					SMSUP ST_00003	500 uL	2,4-Dinitrophenol	50 ug/mL
							Benzoic acid	50 ug/mL
							Pentachlorophenol	50 ug/mL
					SMTCL DPH ST_00003	500 uL	1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							2,3,5,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							4,6-Dinitro-2-methylphenol	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Nitrophenol	25 ug/mL
							Benzoic acid	50 ug/mL
							Benzyl alcohol	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenol	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							2,4-Toluene diamine	25 ug/mL
							2-Nitroaniline	25 ug/mL
							3,3'-Dichlorobenzidine	25 ug/mL
							3,3'-Dimethoxybenzidine	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Nitroaniline	25 ug/mL
							Aniline	25 ug/mL
							Atrazine	25 ug/mL
							Benzidine	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	25 ug/mL
							Pyridine	25 ug/mL
							1,1'-Biphenyl	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Caprolactam	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Ethyl methacrylate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							Naphthalene	25 ug/mL
							Phenanthrene	25 ug/mL
							Pyrene	25 ug/mL
							1,2,3,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Dinitrobenzene	25 ug/mL
							1,3,5-Trichlorobenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							3-Chloropropionitrile	25 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							Benzaldehyde	25 ug/mL
							bis (2-chloroisopropyl) ether	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Malononitrile	25 ug/mL
							Nitrobenzene	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00006	09/11/13	09/10/12	MECL2, Lot 0000001289	50 mL	SMIS_00004	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS_00004	06/30/14	UltraScientific, Lot CH-1761			(Purchased Reagent)		1,4-Dichlorobenzene-d4	4000 ug/mL
							Acenaphthene-d10	4000 ug/mL
							Chrysene-d12	4000 ug/mL
							Naphthalene-d8	4000 ug/mL
							Perylene-d12	4000 ug/mL
							Phenanthrene-d10	4000 ug/mL
.SMSUP ST_00003	09/10/13	09/10/12	MECL2, Lot 0000001289	10 mL	SMACIDSUP1_00003	200 uL	2,4-Dinitrophenol	100 ug/mL
					SMACIDSUP2_00003	500 uL	Benzoic acid	100 ug/mL
					SMACIDSUP3_00003	500 uL	Pentachlorophenol	100 ug/mL
..SMACIDSUP1_00003	04/10/17	Absolute Standard, Lot B7040078			(Purchased Reagent)		2,4-Dinitrophenol	5000 ug/mL
..SMACIDSUP2_00003	06/07/21	Absolute Standards, Lot 211061093			(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SMACIDSUP3_00003	04/01/21	Absolute Standards, Lot 211041014			(Purchased Reagent)		Pentachlorophenol	2000 ug/mL
.SMTCL DPH ST_00003	04/30/13	09/10/12	MECL2, Lot 0000001289	8 mL	SM8270TCL1_00003	2 mL	1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,3,5,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Nitrophenol	100 ug/mL
							Benzoic acid	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenol	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
					SM8270TCL2_00003	2 mL	2,4-Toluene diamine	100 ug/mL
							2-Nitroaniline	100 ug/mL
							3,3'-Dichlorobenzidine	100 ug/mL
							3,3'-Dimethoxybenzidine	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							Aniline	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Pyridine	100 ug/mL
					SM8270TCL3DPH_00002	2 mL	1,1'-Biphenyl	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Caprolactam	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Ethyl methacrylate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SM8270TCL4_00004	2 mL	1,2,3,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dinitrobenzene	100 ug/mL
							1,3,5-Trichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							3-Chloropropionitrile	100 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							Benzaldehyde	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Malononitrile	100 ug/mL
							Nitrobenzene	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SM8270TCL1_00003	05/31/16		RESTEK, Lot A081795		(Purchased Reagent)		1,4-Dichlorobenzene	400 ug/mL
							1,4-Dioxane	400 ug/mL
							2,3,5,6-Tetrachlorophenol	400 ug/mL
							2,4,5-Trichlorophenol	400 ug/mL
							2,4,6-Tribromophenol (Surr)	400 ug/mL
							2,4,6-Trichlorophenol	400 ug/mL
							2,4-Dichlorophenol	400 ug/mL
							2,4-Dimethylphenol	400 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2-Chlorophenol	400 ug/mL
							2-Fluorophenol (Surr)	400 ug/mL
							2-Methylphenol	400 ug/mL
							2-Nitrophenol	400 ug/mL
							3 & 4 Methylphenol	400 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Chloro-3-methylphenol	400 ug/mL
							4-Nitrophenol	400 ug/mL
							Benzoic acid	400 ug/mL
							Benzyl alcohol	400 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenol	400 ug/mL
							Phenol-d5 (Surr)	400 ug/mL
..SM8270TCL2_00003	04/30/13		RESTEK, Lot A081245		(Purchased Reagent)		2,4-Toluene diamine	400 ug/mL
							2-Nitroaniline	400 ug/mL
							3,3'-Dichlorobenzidine	400 ug/mL
							3,3'-Dimethoxybenzidine	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	400 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	400 ug/mL
							4-Chloroaniline	400 ug/mL
							4-Nitroaniline	400 ug/mL
							Aniline	400 ug/mL
							Atrazine	400 ug/mL
							Benzidine	400 ug/mL
							N-Nitrosodi-n-propylamine	400 ug/mL
							N-Nitrosodimethylamine	400 ug/mL
							N-Nitrosodiphenylamine	400 ug/mL
							Pyridine	400 ug/mL
..SM8270TCL3DPH_00002	12/31/14		Restek, Lot A083779		(Purchased Reagent)		1,1'-Biphenyl	400 ug/mL
							1,2-Diphenylhydrazine	400 ug/mL
							1-Methylnaphthalene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Acetophenone	400 ug/mL
							Anthracene	400 ug/mL
							Azobenzene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							Bis(2-ethylhexyl) phthalate	400 ug/mL
							Butyl benzyl phthalate	400 ug/mL
							Caprolactam	400 ug/mL
							Carbazole	400 ug/mL
							Chrysene	400 ug/mL
							Di-n-butyl phthalate	400 ug/mL
							Di-n-octyl phthalate	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dibenzofuran	400 ug/mL
							Diethyl phthalate	400 ug/mL
							Dimethyl phthalate	400 ug/mL
							Ethyl methacrylate	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							Isophorone	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
..SM8270TCL4_00004	05/31/14		Restek, Lot A081933		(Purchased Reagent)		1,2,3,5-Tetrachlorobenzene	400 ug/mL
							1,2,4-Trichlorobenzene	400 ug/mL
							1,2-Dichlorobenzene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dinitrobenzene	400 ug/mL
							1,3,5-Trichlorobenzene	400 ug/mL
							1,3-Dichlorobenzene	400 ug/mL
							2,4-Dinitrotoluene	400 ug/mL
							2,6-Dinitrotoluene	400 ug/mL
							2-Chloronaphthalene	400 ug/mL
							2-Fluorobiphenyl (Surr)	400 ug/mL
							3-Chloropropionitrile	400 ug/mL
							4-Bromophenyl phenyl ether	400 ug/mL
							4-Chlorophenyl phenyl ether	400 ug/mL
							Benzaldehyde	400 ug/mL
							bis (2-chloroisopropyl) ether	400 ug/mL
							Bis(2-chloroethoxy)methane	400 ug/mL
							Bis(2-chloroethyl)ether	400 ug/mL
							Hexachlorobenzene	400 ug/mL
							Hexachlorobutadiene	400 ug/mL
							Hexachlorocyclopentadiene	400 ug/mL
							Hexachloroethane	400 ug/mL
							Malononitrile	400 ug/mL
							Nitrobenzene	400 ug/mL
							Nitrobenzene-d5 (Surr)	400 ug/mL
							Terphenyl-d14 (Surr)	400 ug/mL
VM250-IS_00012	04/10/13	10/10/12	MEOH, Lot 123279	100 mL	vmcus8126_00007	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
.vmcus8126_00007	09/30/14		Ultra Scientific, Lot CJ-3237		(Purchased Reagent)		1,4-Dichlorobenzene-d4	25000 ug/mL
							Chlorobenzene-d5	25000 ug/mL
							Fluorobenzene	25000 ug/mL
VM250SS_00009	03/05/13	09/05/12	MEOH, Lot 117046	100 mL	VMCUS8125_00007	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.VMCUS8125_00007	10/31/14		Ultra Scientific, Lot CG-3334		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	25000 ug/mL
							4-Bromofluorobenzene (Surr)	25000 ug/mL
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL
VM2MNP_00062	12/09/12	11/09/12	MEOH, Lot na	1 mL	VMSV200_00008	1 mL	2-Methylnaphthalene	100 ug/mL
.VMSV200_00008	08/31/14		ULTRA, Lot CC-1268Z		(Purchased Reagent)		2-Methylnaphthalene	100 ug/mL
VM50IS_00021	11/21/12	08/21/12	MEOH, Lot 117046	50 mL	VMSTM520_00016	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.VMSTM520_00016	12/31/14		Ultra Scientific, Lot CH-3660		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00082	11/12/12	11/05/12	MEOH, Lot na	2 mL	vm50ss_stk_00041	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00041	01/02/13	10/03/12	MEOH, Lot 117046	50 mL	VMstm530_00014	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00014	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_00085	11/27/12	11/20/12	MEOH, Lot na	2 mL	vm50ss_stk_00043	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00043	02/12/13	11/12/12	MEOH, Lot 123279	50 mL	VMstm530_00016	1 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VMstm530_00016	05/31/15	Ultra Scientific, Lot CJ-1280			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vmap9_00099	11/16/12	11/09/12	MEOH, Lot na	1 mL	VMCU12302_00010	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Cyclohexanone	500 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl ether	50 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Isopropyl ether	250 ug/mL
							Methacrylonitrile	50 ug/mL
							Methyl methacrylate	50 ug/mL
							n-Butanol	1000 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	100 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
.VMCU12302_00010	09/30/14	Ultra Scientific, Lot CJ-3239			(Purchased Reagent)		1,2,3-Trimethylbenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Cyclohexanone	500 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl ether	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	1000 ug/mL
							Isopropyl ether	250 ug/mL
							Methacrylonitrile	50 ug/mL
							Methyl methacrylate	50 ug/mL
							n-Butanol	1000 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	100 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
VMCGAS_00095	11/12/12	11/05/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15		ULTRA, Lot CJ-0858		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00097	11/26/12	11/19/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15		ULTRA, Lot CJ-0858		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMCGAS_00098	12/04/12	11/27/12	MEOH, Lot 123279	10 mL	VMDWM544_00011	0.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMDWM544_00011	04/30/15		ULTRA, Lot CJ-0858		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASWS_00116	11/15/12	11/08/12	MEOH, Lot na	3 mL	VMFAS_00032	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00032	11/22/12	10/22/12	MEOH, Lot 123279	100 mL	VM48799U_00009	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00015	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00009	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00015	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00117	11/22/12	11/16/12	MEOH, Lot na	3 mL	VMFAS_00032	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00032	11/22/12	10/22/12	MEOH, Lot 123279	100 mL	VM48799U_00009	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00015	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00009	06/30/13	Supelco, Lot LB91213			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00015	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMFASWS_00118	11/27/12	11/20/12	MEOH, Lot na	3 mL	VMFAS_00033	3 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
							1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL
							2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
.VMFAS_00033	12/20/12	11/20/12	MEOH, Lot 123279	100 mL	VM48799U_00012	1.25 mL	Bromomethane	25 ug/mL
							Chloroethane	25 ug/mL
							Chloromethane	25 ug/mL
							Vinyl chloride	25 ug/mL
					VM556005_00011	1 mL	1,1,1-Trichloroethane	25 ug/mL
							1,1,2,2-Tetrachloroethane	25 ug/mL
							1,1,2-Trichloroethane	25 ug/mL
							1,1-Dichloroethane	25 ug/mL
							1,1-Dichloroethene	25 ug/mL
							1,2-Dibromoethane	25 ug/mL
							1,2-Dichloroethane	25 ug/mL
							1,2-Dichloroethene, Total	50 ug/mL
							1,2-Dichloropropane	25 ug/mL
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL
							Chloroform	25 ug/mL
							cis-1,2-Dichloroethene	25 ug/mL
							cis-1,3-Dichloropropene	25 ug/mL
							Dibromochloromethane	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL
							o-Xylene	25 ug/mL
							Styrene	25 ug/mL
							Tetrachloroethene	25 ug/mL
							Toluene	25 ug/mL
							trans-1,2-Dichloroethene	25 ug/mL
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
					VM563136_00007	1 mL	Bromochloromethane	25 ug/mL
					VM861149_00017	2.5 mL	2-Butanone (MEK)	50 ug/mL
							2-Hexanone	50 ug/mL
							4-Methyl-2-pentanone (MIBK)	50 ug/mL
							Acetone	50 ug/mL
..VM48799U_00012	06/30/13		Supelco, Lot LB91213		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
..VM556005_00011	05/31/13		Restek, Lot A085142		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL
..VM563136_00007	11/30/16		Restek, Lot A085140		(Purchased Reagent)		Bromochloromethane	2500 ug/mL
..VM861149_00017	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
VMPRIMARY_00146	11/16/12	11/09/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14		Ultra Scientific, Lot CJ-0210		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00148	11/23/12	11/16/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14	Ultra Scientific, Lot CJ-0210			(Purchased Reagent)		1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00150	11/28/12	11/21/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14		Ultra Scientific, Lot CJ-0210		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl acetate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMPRIMARY_00151	12/04/12	11/27/12	MEOH, Lot na	1 mL	VMCUS7814_00019	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
.VMCUS7814_00019	02/28/14	Ultra Scientific, Lot CJ-0210			(Purchased Reagent)		1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	150 ug/mL
VMSUPPW_00099	11/16/12	11/09/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Methyl acetate	50 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00008	1 mL	Methyl acetate	50 ug/mL
							Vinyl acetate	50 ug/mL
					VMCUS8634_00007	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00003	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00008	01/31/13	Ultra, Lot CJ-3443			(Purchased Reagent)		Methyl acetate	2500 ug/mL
							Vinyl acetate	2500 ug/mL
..VMCUS8634_00007	01/31/13	Ultra, Lot CJ-3453			(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13	Ultra, Lot CG-0850			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
VMSUPPW_00100	11/23/12	11/16/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
..VM30006_00004	11/30/13	Restek, Lot A076449			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
VMSUPPW_00101	11/27/12	11/20/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							Methyl acetate	50 ug/mL
							Vinyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VMCU5013_00008	1 mL	Methyl acetate	50 ug/mL
							Vinyl acetate	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VMCUS8634_00007	1 mL	Acetonitrile	500 ug/mL
							Acrolein	500 ug/mL
							Acrylonitrile	100 ug/mL
					VMEPA1016_00003	1 mL	2-Chloroethyl vinyl ether	100 ug/mL
..VM30006_00004	11/30/13		Restek, Lot A076449		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
..VMCU5013_00008	01/31/13		Ultra, Lot CJ-3443		(Purchased Reagent)		Methyl acetate	2500 ug/mL
							Vinyl acetate	2500 ug/mL
..VMCUS8634_00007	01/31/13		Ultra, Lot CJ-3453		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Acrolein	25000 ug/mL
							Acrylonitrile	5000 ug/mL
..VMEPA1016_00003	04/30/13		Ultra, Lot CG-0850		(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
VMSUPPW_00102	12/04/12	11/27/12	MEOH, Lot na	1 mL	VMSUPP_00018	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
.VMSUPP_00018	01/31/13	09/27/12	MEOH, Lot 123279	50 mL	VM30006_00004	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
..VM30006_00004	11/30/13		Restek, Lot A076449		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
WCCHROME50PM2_00010	05/19/13	11/19/12	DIWATER, Lot 11/19/12	1000 mL	WCCHROMSTOCK2_00001	0.1414 g	Cr (VI)	49.9764 mg/L
							Potassium Dichromate	141.4 mg/L
.WCCHROMSTOCK2_00001	12/14/14		FISHER, Lot 085767a		(Purchased Reagent)		Cr (VI)	0.35344 g/g
							Potassium Dichromate	1 g/g
WCCHROME50PPM_00009	05/19/13	11/19/12	DIWATER, Lot 11/19/12	1000 mL	WCCHROMSTOCK1_00002	0.1414 g	Cr (VI)	49.9764 mg/L
							Potassium Dichromate	141.4 mg/L
.WCCHROMSTOCK1_00002	10/14/15		FISHER, Lot 094236		(Purchased Reagent)		Cr (VI)	0.35344 g/g
							Potassium Dichromate	1 g/g
WCPBCHROMATE_00004	01/30/17		FISHER, Lot 083960		(Purchased Reagent)		Cr (VI)	0.1608 g/g
							Lead (II) Chromate	1 g/g

HIGH-PURITY STANDARDS
www.highpuritystandards.com

P.O. Box 41727
Charleston, SC 29423
Phone (843) 767-7900
Fax (843) 767-7906

Certificate of Analysis

rec'd SG 8-24-12

Product Description:

Name:	Mercury	Source Material:	Mercury Metal
Part Number:	**10 33-1**	Material Purity:	99.9998%
Lot Number:	**1221902**	Matrix:	5% (v/v) HNO_3

Certified Value: 10.0 µg/mL ± 0.1 µg/mL

The Certified value is based on gravimetric and volumetric preparation, and confirmed against SRM 3133 (lot number 061204) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.

Preparation Information:

The standard solution is prepared using high purity materials and assayed by analytical methods for conformity prior to use. This standard was prepared using the methods developed at NIST for SRM Spectrometric Standard Solutions under appropriate laboratory conditions.

Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 mega ohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

a. **Standard Weight and Analytical Balance**
The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in "NIST Weights and Measures Measurement Assurance Program" with a certificate of measurement traceability to NIST primary standards.
The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.

b. **Volumetric Device**
The calibration of volumetric vessels is checked annually using the NBS 602 method.

c. **Thermometer**
The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.

d. **Calibration Standards:**
The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Refer to Material Safety Datasheet (MSDS) for hazardous information.

Expiration Information:

The expiry date is guaranteed to be valid for twelve months from the shipping date provided. For this reason, standards from the same lot may have different expiration dates.

Preparation Date: August 6, 2012
Shipped Date: AUG 2 0 2012
Expiration Date: AUG 2 0 2013
Certificate Issue Date: August 7, 2012

Quality Information:

ISO/IEC 17025:2005 Accreditation
Certificate Number AT-1529

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

RESTEK

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FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 566300 **Lot No.:** A081795

Description : Custom Revised 8270 Mix #1

Container Size : [5] 5 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] May 2016 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	Grav.Uncert. [4] (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	99%	400.000 ug/mL	+/- 2.7 ug/mL
2	2-Fluorophenol	367-12-4	99%	400.000 ug/mL	+/- 2.7 ug/mL
3	2-Chlorophenol-d4	93951-73-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
4	Phenol-d6	13127-88-3	99%	400.000 ug/mL	+/- 2.7 ug/mL
5	2-Chlorophenol	95-57-8	99%	400.000 ug/mL	+/- 3.0 ug/mL
6	Phenol	108-95-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
7	1,4-Dichlorobenzene	106-46-7	99%	400.000 ug/mL	+/- 2.7 ug/mL
8	Benzyl alcohol	100-51-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
9	2-Methylphenol (o-cresol)	95-48-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
10	4-Methylphenol (p-cresol)	106-44-5	99%	400.000 ug/mL	+/- 3.0 ug/mL
11	2-Nitrophenol	88-75-5	99%	400.000 ug/mL	+/- 3.0 ug/mL
12	2,4-Dimethylphenol	105-67-9	99%	400.000 ug/mL	+/- 3.0 ug/mL
13	2,4-Dichlorophenol	120-83-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
14	Benzoic acid	65-85-0	99%	400.000 ug/mL	+/- 3.0 ug/mL
15	4-Chloro-3-methylphenol	59-50-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
16	2,4,6-Trichlorophenol	88-06-2	99%	400.000 ug/mL	+/- 3.0 ug/mL
17	2,4,5-Trichlorophenol	95-95-4	99%	400.000 ug/mL	+/- 3.0 ug/mL
18	2,4-Dinitrophenol	51-28-5	97%	399.989 ug/mL	+/- 3.0 ug/mL
19	2,3,5,6-Tetrachlorophenol	935-95-5	99%	400.000 ug/mL	+/- 2.7 ug/mL
20	4-Nitrophenol	100-02-7	99%	400.000 ug/mL	+/- 3.0 ug/mL
21	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	99%	400.000 ug/mL	+/- 3.0 ug/mL
22	2,4,6-Tribromophenol	118-79-6	99%	400.000 ug/mL	+/- 2.7 ug/mL
23	Pentachlorophenol	87-86-5	97%	399.989 ug/mL	+/- 3.0 ug/mL

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Catalog No. : 57833 **Lot No.:** A081245
Description : Custom Revised 8270 Mix # 2
Container Size : [5] 2 mL **Pkg Amt:** [5] > 2 mL
Expiration Date : [1] April 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	99%	400.000 ug/mL	+/-0.67 %
2	Pyridine	110-86-1	99%	400.000 ug/mL	+/-0.67 %
3	Aniline	62-53-3	100%	400.000 ug/mL	+/-0.67 %
4	N-Nitroso-di-n-propylamine	621-64-7	99%	400.000 ug/mL	+/-0.67 %
5	4-Chloroaniline	106-47-8	99%	400.000 ug/mL	+/-0.67 %
6	2,4-Diaminotoluene	95-80-7	99%	400.000 ug/mL	+/-0.67 %
7	3-Nitroaniline	99-09-2	99%	400.000 ug/mL	+/-0.67 %
8	2-Nitroaniline	88-74-4	99%	400.000 ug/mL	+/-0.67 %
9	4-Nitroaniline	100-01-6	99%	400.000 ug/mL	+/-0.67 %
10	N-Nitrosodiphenylamine	86-30-6	97%	399.640 ug/mL	+/-0.67 %
11	Atrazine	1912-24-9	99%	400.000 ug/mL	+/-0.67 %
12	Benzidine	92-87-5	99%	400.000 ug/mL	+/-0.67 %
13	3,3'-Dichlorobenzidine	91-94-1	99%	400.000 ug/mL	+/-0.67 %
14	4,4-Methylene-bis(2-chloroaniline)	101-14-4	98%	399.840 ug/mL	+/-0.67 %
15	3,3'-Dimethoxybenzidine	119-90-4	99%	400.000 ug/mL	+/-0.67 %
Solvent:	Methylene Chloride (MEOH FREE)	75-09-2	99%		

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

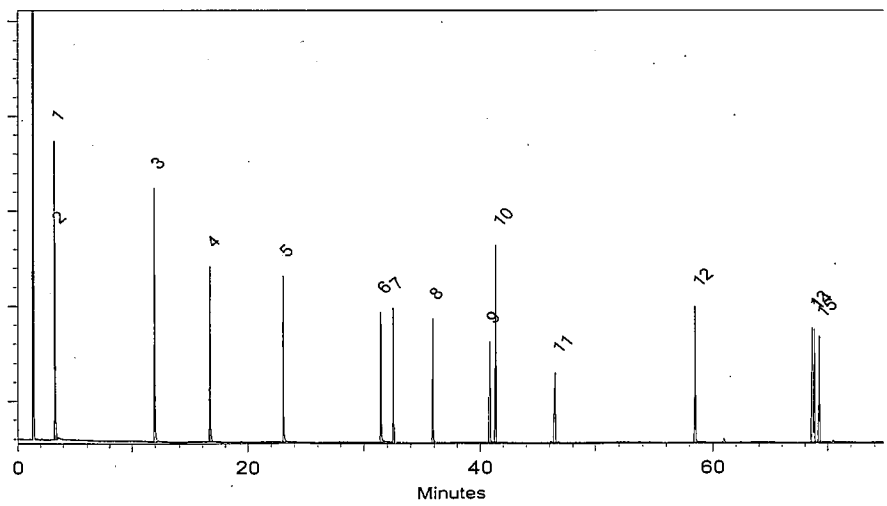
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 57834 **Lot No.:** A083779

Description : Custom Revised 8270 Mix # 3

Container Size : [5] 2 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] December 2014 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Ethyl methacrylate	97-63-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
2	Acetophenone	98-86-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
3	Isophorone	78-59-1	99%	400.0 ug/mL	+/- 2.8363 ug/mL
4	Naphthalene	91-20-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
5	epsilon-Caprolactam	105-60-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
6	1-Methylnaphthalene	90-12-0	99%	400.0 ug/mL	+/- 2.8363 ug/mL
7	2-Methylnaphthalene	91-57-6	97%	399.6 ug/mL	+/- 2.8338 ug/mL
8	Biphenyl	92-52-4	99%	400.0 ug/mL	+/- 2.8363 ug/mL
9	Acenaphthylene	208-96-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
10	Dimethylphthalate	131-11-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
11	Acenaphthene	83-32-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
12	Dibenzofuran	132-64-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
13	Fluorene	86-73-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
14	Diethylphthalate	84-66-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
15	Azobenzene	103-33-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
16	Sulfotepp	3689-24-5	99%	400.0 ug/mL	+/- 2.8363 ug/mL
17	Phenanthrene	85-01-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
18	Anthracene	120-12-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
19	Carbazole	86-74-8	98%	399.8 ug/mL	+/- 2.8352 ug/mL
20	Di-n-butylphthalate	84-74-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
21	Fluoranthene	206-44-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
22	Pyrene	129-00-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
23	Benzyl butyl phthalate	85-68-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
24	Benz(a)anthracene	56-55-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
25	Chrysene	218-01-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
26	Bis(2-ethylhexyl)phthalate	117-81-7	99%	400.0 ug/mL	+/- 2.8363 ug/mL
27	Di-n-octyl phthalate	117-84-0	98%	399.8 ug/mL	+/- 2.8352 ug/mL
28	Benzo(b)fluoranthene	205-99-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL
29	Benzo(k)fluoranthene	207-08-9	99%	400.0 ug/mL	+/- 2.8363 ug/mL
30	Benzo(a)pyrene	50-32-8	99%	400.0 ug/mL	+/- 2.8363 ug/mL
31	Indeno(1,2,3-cd)pyrene	193-39-5	99%	400.0 ug/mL	+/- 2.8363 ug/mL
32	Dibenz(a,h)anthracene	53-70-3	99%	400.0 ug/mL	+/- 2.8363 ug/mL
33	Benzo(g,h,i)perylene	191-24-2	99%	400.0 ug/mL	+/- 2.8363 ug/mL

Solvent: Methylene Chloride (MEOH FREE) 75-09-2 99%

Column:
30m x .25mm x .25um
Rtx-5 (cat.#10223)

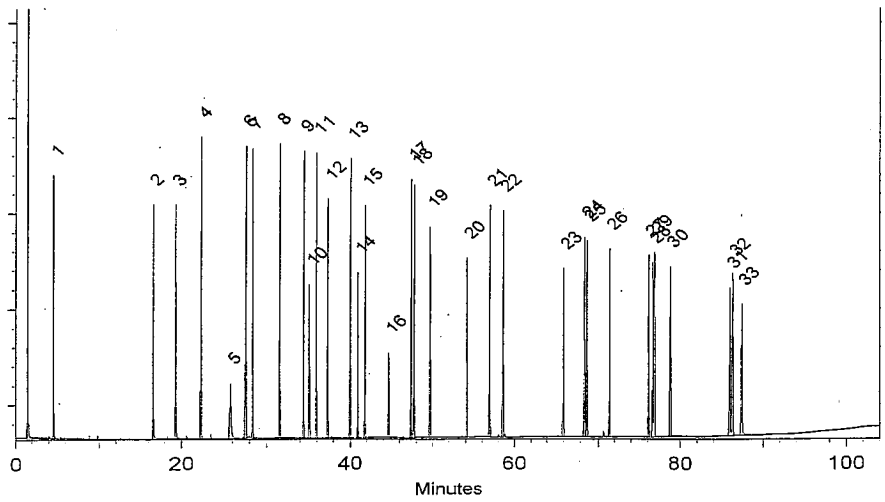
Carrier Gas:
hydrogen-constant pressure 10 psi

Temp. Program:
35°C (hold 3 min.) to 330°C
@ 3°C/min. (hold 3 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
FID



John Lidgett - QA Analyst **Date Passed:** 12-Sep-2011 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition is the last day of the month listed.

2A Purity and chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Purity value is rounded to the nearest whole number. See data pack or contact Restek for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

5A Containers are overfilled to ensure the packaged amount, as a minimum.

5B Restek supplies deactivated vials along with most standards packed in 2 mL ampules, for the handling and storage of standards. Due to space constraints, Restek does not supply vials for larger volume ampules. Samples should be transferred into deactivated vials for handling and storage. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory, as a custom ordered item. Contact your Restek sales or customer service representative for details.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 566299 **Lot No.:** A081933

Description : Custom Revised 8270 Mix #4

Container Size : [5] 5 mL **Pkg Amt:** [5] > 2 mL

Expiration Date : [1] May 2014 **Storage:** 10°C or colder

Handling: Sonicate prior to use.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	3-Chloropropionitrile	542-76-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
2	Malononitrile	109-77-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
3	Benzaldehyde	100-52-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
4	Bis(2-chloroethyl)ether	111-44-4	99%	400.0 ug/mL	+/- 2.7 ug/mL
5	1,3-Dichlorobenzene	541-73-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
6	1,2-Dichlorobenzene-d4	2199-69-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
7	1,2-Dichlorobenzene	95-50-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
8	Bis(2-chloroisopropyl)ether	108-60-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
9	Hexachloroethane	67-72-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
10	Nitrobenzene-d5	4165-60-0	99%	400.0 ug/mL	+/- 2.7 ug/mL
11	Nitrobenzene	98-95-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
12	1,2,4-Trichlorobenzene	120-82-1	97%	399.6 ug/mL	+/- 2.7 ug/mL
13	Bis(2-chloroethoxy)methane	111-91-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
14	1,3,5-Trichlorobenzene	108-70-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
15	1,2,3-Trichlorobenzene	87-61-6	99%	400.0 ug/mL	+/- 2.7 ug/mL
16	Hexachlorobutadiene	87-68-3	98%	399.8 ug/mL	+/- 2.7 ug/mL
17	1,2,3,4-Tetrachlorobenzene	634-66-2	95%	400.0 ug/mL	+/- 2.7 ug/mL
18	Hexachlorocyclopentadiene	77-47-4	99%	400.0 ug/mL	+/- 2.7 ug/mL
19	2-Fluorobiphenyl	321-60-8	99%	400.0 ug/mL	+/- 2.7 ug/mL
20	2-Chloronaphthalene	91-58-7	99%	400.0 ug/mL	+/- 2.7 ug/mL
21	1,2,3,5-Tetrachlorobenzene	634-90-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
22	2,6-Dinitrotoluene	606-20-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
23	1,2-Dinitrobenzene	528-29-0	99%	400.0 ug/mL	+/- 2.7 ug/mL
24	2,4-Dinitrotoluene	121-14-2	99%	400.0 ug/mL	+/- 2.7 ug/mL
25	4-Chlorophenyl phenyl ether	7005-72-3	99%	400.0 ug/mL	+/- 2.7 ug/mL
26	4-Bromophenyl phenyl ether	101-55-3	98%	399.8 ug/mL	+/- 2.7 ug/mL
27	Hexachlorobenzene	118-74-1	99%	400.0 ug/mL	+/- 2.7 ug/mL
28	p-Terphenyl-d14	1718-51-0	97%	399.6 ug/mL	+/- 2.7 ug/mL

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USA

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CERTIFICATE OF ANALYSIS

Catalog No: APP-9-091-50X
Description: 2,4-Dinitrophenol
Lot: B7040078
Solvent: Methanol

Date Certified: Apr 10, 2007
Expiration: Apr 10, 2017
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
2,4-Dinitrophenol	51-28-5	100	5003	5003

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials - Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 - General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_m = \sqrt{(u(P))^2 + (u(m))^2 + (u(V))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014D-1
Description: Benzoic acid
Lot: 211061093
Solvent: Dichloromethane

Date Certified: Jun 7, 2011
Expiration: Jun 7, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HARMFUL

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % MFG	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Benzoic acid	65-85-0	99.5	2004	1994

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials - Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

   ISO Guide 34 – General Requirements for the Competence of Reference Material Producers ACLASS Certificate Number AR-1463

   AR-1463

   ISO/IEC 17025:2005 - General Requirements for the Competence of Testing and Calibration Laboratories ACLASS Certificate Number AT-1339

   AT-1339

   ISO 9001:2008 Quality Management System - Requirements
   Eagle Registrations Certificate Number 3774

3. **Intended Use:** The product covered by this certificate is designed for calibration or for use in quality control procedures for the specified chemical compounds listed on the reverse side. This product can be used for quantification and/or identification. This product can also be used as a reference material to validate analytical procedures, subject to the conditions under Section 11. If dilution is required, use only Class A glassware and diluent compatible with all certified analytes in this preparation. All solutions should be thoroughly mixed prior to use.

4. **Raw Materials:** Reference standards are prepared from the highest quality starting materials with defined purities. All analytes and solvents are obtained from pre-qualified vendors and then analyzed or evaluated prior to use.

5. **Manufacturing:** All balances are calibrated daily using an in-house procedure with weights that are compared annually to master weights and traceable to NIST. The balances are also calibrated annually by an ISO/IEC 17025 accredited calibration laboratory. Please refer to the NIST test number listed on the front of this certificate. Class A glassware is used in the manufacture and quality control of all standards and calibrated using an in-house procedure. Good Laboratory Practices have been used throughout the preparation of this CRM.

6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

8. **Analytical Quality Control:** Products are tested by validated analytical methods specified in the manufacturer's quality system.

9. **Uncertainty Statistics and Confidence Limits:** The uncertainty values as stated on the face of this certificate have been determined using the EURACHEM/CITAC Guide (Quantifying Uncertainty in Analytical Measurement). We have evaluated both Type A (based on a series of observations) and Type B (manufacturers specifications and calibration data) factors and report a combined expanded uncertainty equal to the positive square root of the total variance of the uncertainty of the components using the following formula: $u_{\mathrm{m}} = \sqrt{(u(\mathrm{P}))^2 + (u(\mathrm{m}))^2 + (u(\mathrm{V}))^2}$. The expanded uncertainty, U, assumes a normal distribution and a coverage factor of k=2 is chosen using approximately a 95% confidence level. Laboratories accredited to ISO/IEC 17025 and ISO Guide 34 are required to estimate uncertainty budgets associated with the measurements they make. However, for analysis, the certified value should be used as the actual value.

10. **Warranties:** The manufacturer warrants that its products shall conform to the description of such products as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

11. **Legal Notice and Limit of Liability:** This product is for routine laboratory analysis and research purposes only. Due to the hazardous nature, only trained personnel should handle this product. The company's liability will be limited to replacement of product or refund of purchase price. Notice of claims must be made within thirty (30) days from date of delivery.

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: APP-9-176-D-20X
Description: Pentachlorophenol
Lot: 211041014
Solvent: Dichloromethane

Date Certified: Apr 1, 2011
Expiration: Apr 1, 2021
Sample Size: 1 mL
Storage Condition: Ambient
Hazards: HARMFUL

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Pentachlorophenol	87-86-5	99.0	2007	1987

AccuStandard follows U.S. conventions in reporting numerical values on both certificates and labels:

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

1. All weights are traceable through NIST, Test No.822/272103-05
2. Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.
3. A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

For use in routine laboratory analysis.

See reverse side for additional information
Refer to the MSDS for additional safety information

Certified by: R. Cooper
Russ Cooper, QC Manager

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

CERTIFICATION REPORT

1. **Quality Documentation:** This certificate is designed in accordance with ISO Guide 31 (Reference Materials – Contents of Certificates and Labels) and ISO Guide 35 (Reference Materials – General and Statistical Principles for Certification).

2. **Quality Standards:**

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   AT-1339

   ISO 9001:2008 Quality Management System - Requirements Eagle Registrations Certificate Number 3774

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6. **Homogeneity Assessment:** Homogeneity of the finished product is assessed by analyzing sample batches or by other methods consistent with the intended use of the product and by procedures that comply with the appropriate Quality System requirements, and ISO Guide 35.

7. **Stability Assessment:** The manufacturer guarantees the stability of this solution through the expiration date stated on the label, when handled and stored according to the conditions stated on the label. To ensure a uniform solution, mix the contents of the sealed container thoroughly prior to use. Care should be taken not to contaminate the contents of the original container.

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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)		WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

SUPELCO® Analytical
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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000	+/-	5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	+/-	5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	+/-	5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001	+/-	5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001	+/-	5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000	+/-	5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000	+/-	5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000	+/-	10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000	+/-	5.0	LB68872
PHENOL	108-95-2	99.9	1002	+/-	5.0	LB57703
PYRENE	129-00-0	97.5	1000	+/-	5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	+/-	5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000	+/-	5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000	+/-	5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	+/-	5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	+/-	5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002	+/-	5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000	+/-	5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999	+/-	5.0	LB83266

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a) HPLC UV-254NM

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

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4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

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ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
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ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
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BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

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BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

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SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000	+/-	5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	+/-	5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	+/-	5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001	+/-	5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001	+/-	5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000	+/-	5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000	+/-	5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000	+/-	10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000	+/-	5.0	LB68872
PHENOL	108-95-2	99.9	1002	+/-	5.0	LB57703
PYRENE	129-00-0	97.5	1000	+/-	5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	+/-	5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000	+/-	5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000	+/-	5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	+/-	5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	+/-	5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002	+/-	5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000	+/-	5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999	+/-	5.0	LB83266

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

Elwood Doughty
QA Manager

SUPELCO® Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

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METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

(1) Listed in alphabetical order.

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a) HPLC UV-254NM

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ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)		WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ACENAPHTHENE	83-32-9	99.9		1000	+/-	5.0	LB82590
ACENAPHTHYLENE	208-96-8	99.9		1000	+/-	5.0	LB84923
ACETOPHENONE	98-86-2	99.2		1001	+/-	5.0	LB61700
ANILINE	62-53-3	99.9		1000	+/-	5.0	LA41596
ANTHRACENE	120-12-7	99.5		1000	+/-	5.0	LB77576
ATRAZINE	1912-24-9	99.9		1000	+/-	5.0	LB77962
AZOBENZENE	103-33-3	99.9		1000	+/-	5.0	LB83060
BENZALDEHYDE	100-52-7	99.9		999	+/-	5.0	LB82946
BENZIDINE	92-87-5	99.9		1000	+/-	5.0	LB83682
BENZO (A) ANTHRACENE	56-55-3	99.4	(a)	1000	+/-	5.0	LB78146
BENZO (A) PYRENE	50-32-8	99.9	(a)	1000	+/-	5.0	LB79478
BENZO (B) FLUORANTHENE	205-99-2	99.9		1000	+/-	5.0	LB77269
BENZO (G,H,I) PERYLENE	191-24-2	99.6		1000	+/-	5.0	LB62550
BENZO (K) FLUORANTHENE	207-08-9	99.9		1000	+/-	5.0	LB84765
BENZOIC ACID	65-85-0	99.9		2001	+/-	10.0	LA84486
BENZYL ALCOHOL	100-51-6	99.9		1001	+/-	5.0	LB48374
BENZYL BUTYL PHTHALATE	85-68-7	98.6		1000	+/-	5.0	LB60340
BIPHENYL	92-52-4	99.9		1002	+/-	5.0	LB30457
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.5		1000	+/-	5.0	LB71304

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SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	+/-	5.0	LB33319
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	97.4	1000	+/-	5.0	LB84548
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	+/-	5.0	LB58359
CAPROLACTAM	105-60-2	99.9	1000	+/-	5.0	LB34145
CARBAZOLE	86-74-8	99.9	1000	+/-	5.0	LB60643
CHRYSENE	218-01-9	98.4	1000	+/-	5.0	LB85109
DI-N-BUTYL PHTHALATE	84-74-2	99.5	1000	+/-	5.0	LB64921
DI-N-OCTYL PHTHALATE	117-84-0	99.9	1000	+/-	5.0	LB83131
DIBENZ (A,H) ANTHRACENE	53-70-3	99.9	1000	+/-	5.0	LB87229
DIBENZOFURAN	132-64-9	98.9	1000	+/-	5.0	LB78814
DIETHYL PHTHALATE	84-66-2	99.2	1000	+/-	5.0	LB60384
DIMETHYL PHTHALATE	131-11-3	99.9	1000	+/-	5.0	LB30494
FLUORANTHENE	206-44-0	99.5	1000	+/-	5.0	LB36331
FLUORENE	86-73-7	98.5	1000	+/-	5.0	LB82164
HEXACHLOROBENZENE	118-74-1	99.9	1000	+/-	5.0	LB87401
HEXACHLOROBUTADIENE	87-68-3	96.2	1000	+/-	5.0	LB67777
HEXACHLOROCYCLOPENTADIENE	77-47-4	97.2	1000	+/-	5.0	LB84590
HEXACHLOROETHANE	67-72-1	99.9	1000	+/-	5.0	LB29072
INDENO (1,2,3-CD) PYRENE	193-39-5	99.7	1000	+/-	5.0	LB87713

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METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)			SUPELCO LOT NO
ISOPHORONE	78-59-1	99.1	1000	+/-	5.0	LB45460
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	+/-	5.0	LB79763
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	+/-	5.0	LB83854
N-NITROSODIPHENYLAMINE	86-30-6	98.6	1001	+/-	5.0	LB17295
N-NITROSOPYRROLIDINE	930-55-2	99.9	1001	+/-	5.0	LB78816
NAPHTHALENE	91-20-3	99.9	1000	+/-	5.0	LB77841
NITROBENZENE	98-95-3	99.9	1000	+/-	5.0	LB47070
PENTACHLOROPHENOL	87-86-5	99.9	2000	+/-	10.0	LB75554
PHENANTHRENE	85-01-8	99.1	1000	+/-	5.0	LB68872
PHENOL	108-95-2	99.9	1002	+/-	5.0	LB57703
PYRENE	129-00-0	97.5	1000	+/-	5.0	LB70761
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	+/-	5.0	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	99.5	1000	+/-	5.0	LB48083
1,2,4,5-TETRACHLOROBENZENE	95-94-3	99.9	1000	+/-	5.0	LB61817
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	+/-	5.0	LB68066
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	+/-	5.0	LB69983
1,4-DIOXANE	123-91-1	99.9	1002	+/-	5.0	LB82982
2-CHLORONAPHTHALENE	91-58-7	99.4	1000	+/-	5.0	LB48170
2-CHLOROPHENOL	95-57-8	99.6	999	+/-	5.0	LB83266

(1) Listed in alphabetical order.

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METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1001 +/- 5.0	LB31592
2-METHYLNAPHTHALENE	91-57-6	98.3	1000 +/- 5.0	LB44448
2-METHYLPHENOL	95-48-7	99.8	1000 +/- 5.0	LB30223
2-NITROANILINE	88-74-4	99.9	1000 +/- 5.0	LB49936
2-NITROPHENOL	88-75-5	99.9	1000 +/- 5.0	LB44736
2,3,4,6-TETRACHLOROPHENOL	58-90-2	98.4	1000 +/- 5.0	LB75078
2,4-DICHLOROPHENOL	120-83-2	98.8	1002 +/- 5.0	LB76837
2,4-DIMETHYLPHENOL	105-67-9	99.9	1000 +/- 5.0	LB88935
2,4-DINITROPHENOL	51-28-5	98.6	2003 +/- 10.0	LB28389
2,4-DINITROTOLUENE	121-14-2	96.0	1000 +/- 5.0	LB46632
2,4,5-TRICHLOROPHENOL	95-95-4	99.9	1000 +/- 5.0	LB35288
2,4,6-TRICHLOROPHENOL	88-06-2	99.9	1000 +/- 5.0	LB65559
2,6-DICHLOROPHENOL	87-65-0	99.9	1002 +/- 5.0	LB03525
2,6-DINITROTOLUENE	606-20-2	99.9	1000 +/- 5.0	LB79891
3-NITROANILINE	99-09-2	99.9	1000 +/- 5.0	LB73829
3,3-DICHLOROBENZIDINE	91-94-1	99.4	1000 +/- 5.0	LB68654
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.8	1000 +/- 5.0	LB63786
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000 +/- 5.0	LB83265
4-CHLOROANILINE	106-47-8	99.9	1000 +/- 5.0	LB82916

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a) HPLC UV-254NM

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Certificate of Composition

DESCRIPTION: TEST AMERICA

QUOTE 21492575 LOT NO.: LB90764 EXPIRATION DATE: Aug-2013

SOLVENT: BENZENE 25 %
METHYLENE CHLORIDE 75 %

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT CONCENTRATION (3)	SUPELCO LOT NO
4-CHLOROPHENYLPHENYL ETHER	7005-72-3	99.9	1000 +/- 5.0	LB72185
4-METHYLPHENOL	106-44-5	99.9	1000 +/- 5.0	LB32518
4-NITROANILINE	100-01-6	99.9	1000 +/- 5.0	LB42566
4-NITROPHENOL	100-02-7	99.9	1001 +/- 5.0	LB83255

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) HPLC UV-254NM

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595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone (814) 359-3441

Certificate of Analysis

Semi-Volatiles Internal Standard Mixture

Product Number: US-108N **Page:** 1 of 1

Lot Number: CH-1761 **Lot Issue Date:** 02-Jun-2011 **Expiration Date:** 30-Jun-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acenaphthene-d10	015067-26-2	RM01458/PR-19991	4013 ± 20 µg/mL
chrysene-d12	001719-03-5	RM01460/Z421P15	4013 ± 20 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700/PR-12866	4013 ± 20 µg/mL
naphthalene-d8	001146-65-2	RM01459/PR-19724	4013 ± 20 µg/mL
perylene-d12	001520-96-3	RM01461/P199BP2	4014 ± 20 µg/mL
phenanthrene-d10	001517-22-2	RM01462/PR-19222	4013 ± 20 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0861-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-100.

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Semi-Volatiles Internal Standard Mixture

Print Components

Component Information for US-108N

Analyte	Concentration
acenaphthene-d10	4000 µg/mL
chrysene-d12	4000 µg/mL
1,4-dichlorobenzene-d4	4000 µg/mL
naphthalene-d8	4000 µg/mL
perylene-d12	4000 µg/mL
phenanthrene-d10	4000 µg/mL

Matrix Details

Matrix	methylene chloride (dichloromethane)

SMIS_00004

US-108N
Lot: CH-1761
Exp: 06/30/2014
ULTRA
1 mL
Semi-Volatiles Internal Standard Mixture
6 analyte(s) at 4000 µg/mL in dichloromethane
For Lab Use Only
250 Smith St, No Kingstown, RI 02852 USA

3/15/11
TS

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 30006 **Lot No.:** A076449

Description : VOA Calibration Mix #1

Expiration Date[1]**:** November 2013 **Storage:** Freezer

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Acetone	67-64-1	99%	5,000.000 ug/ml	+/-0.58 %
2	2-Butanone (MEK)	78-93-3	99%	5,000.000 ug/ml	+/-0.58 %
3	4-Methyl-2-pentanone (MIBK)	108-10-1	99%	5,000.000 ug/ml	+/-0.58 %
4	2-Hexanone	591-78-6	99%	5,000.000 ug/ml	+/-0.58 %
Solvent:	P&T Methanol/Water (90:10)	67-56-1/7732-18-5	99%		

Column:
105m x .53mm x 3.0um
Rtx-502.2 (cat.#10910)

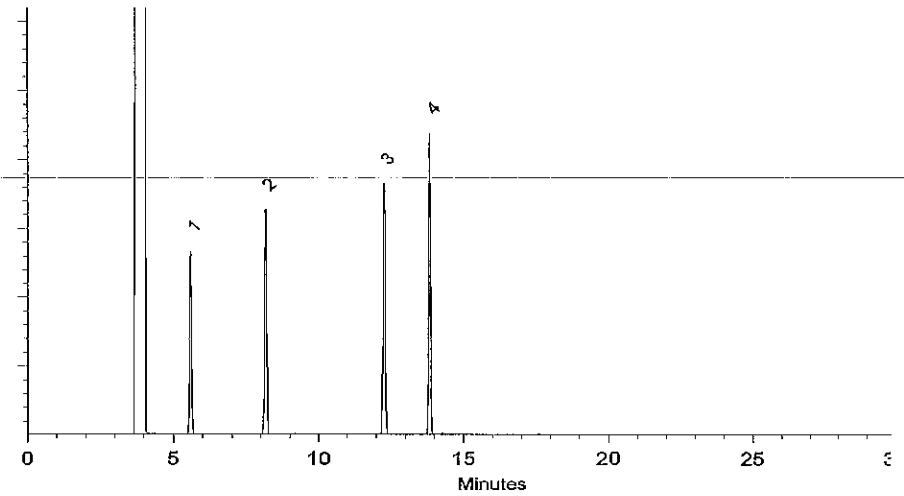
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



Sara Eyster QA Analyst

Date Passed: 25-Aug-2010 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

1 Expiration date of the unopened ampule stored at the recommended storage condition.

2A Purity is determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value is rounded to the nearest whole number. Chemical identity is confirmed using GC/MS. See data pack or contact provider for further details.

2B Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities.

2C The following types of compounds will have a listed purity of less than 99%: Aldehyde/Ketone-DNPH compounds, Bromides, Chlorides, HCL salts, HBR salts, sulfates, hydrates, and other compounds as necessary. The listed purity is a correction factor that is equivalent to the percentage of parent compound in the molecule. This correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution. The concentration listed on the certificate is the concentration of the parent compound in the solution.

2D Purity of isomeric compounds is reported as the sum of the isomers. Value is rounded to the nearest whole number after summation.

3 Based upon gravimetric preparation with balance calibration verified using NIST traceable weights (seven mass levels) and/or class A glassware used for dilutions.

4 Uncertainties determined using data for balances and glassware from measurement systems analysis methodology, raw material purity, and, when significant, equipment tolerances or calibration results.

Certificate of Analysis

8/23/12 TS

DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U MFG DATE: Mar-2012

LOT NO.: LB91213 EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BROMOMETHANE	74-83-9	99.9 (a)	2000	2041	+/-	35.1	LB68220
CHLOROETHANE	75-00-3	99.9 (a)	2000	2079	+/-	46.9	LB55667
CHLOROMETHANE	74-87-3	99.9	2000	2116	+/-	61.9	LB64986
DICHLORODIFLUOROMETHANE	75-71-8	99.9 (a)	2000	2044	+/-	88.1	LB68837
TRICHLOROFLUOROMETHANE	75-69-4	99.9 (a)	2000	2088	+/-	44.9	LA91320
VINYL CHLORIDE	75-01-4	99.9 (a)	2000	2141	+/-	45.7	LB89571

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

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DESCRIPTION: Volatile Organic Compounds Mix 6

CATALOG NO.: 48799-U MFG DATE: Mar-2012

LOT NO.: LB91213 EXPIRATION DATE: Jun-2013

SOLVENT: METHANOL

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION		STD DEV	SUPELCO LOT NO
BROMOMETHANE	74-83-9	99.9 (a)	2000	2041	+/-	35.1	LB68220
CHLOROETHANE	75-00-3	99.9 (a)	2000	2079	+/-	46.9	LB55667
CHLOROMETHANE	74-87-3	99.9	2000	2116	+/-	61.9	LB64986
DICHLORODIFLUOROMETHANE	75-71-8	99.9 (a)	2000	2044	+/-	88.1	LB68837
TRICHLOROFLUOROMETHANE	75-69-4	99.9 (a)	2000	2088	+/-	44.9	LA91320
VINYL CHLORIDE	75-01-4	99.9 (a)	2000	2141	+/-	45.7	LB89571

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.
a) GC; detector HALL

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

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Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 556005 **Lot No.:** A085142

Description : Custom Volatiles Mix 2

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] May 2013 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	97%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	1,1-dichloroethene	75-35-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
3	Methyl acetate	79-20-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Carbon disulfide	75-15-0	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
5	Methylene chloride (dichloromethane)	75-09-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
6	Methyl-tert-butyl ether (MTBE)	1634-04-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
7	cis-1,2-Dichloroethene	156-59-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	n-Hexane (C6)	110-54-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloroethane	75-34-3	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
10	trans-1,2-Dichloroethene	156-60-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
11	chloroform	67-66-3	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
12	1,1,1-trichloroethane	71-55-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
13	Cyclohexane	110-82-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	carbon tetrachloride	56-23-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
15	1,2-Dichloroethane	107-06-2	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
16	Benzene	71-43-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	Trichloroethene	79-01-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
18	Methylcyclohexane	108-87-2	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
19	1,2-Dichloropropane	78-87-5	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
20	bromodichloromethane	75-27-4	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
21	cis-1,3-Dichloropropene	10061-01-5	97%	2,500.0 ug/mL	+/- 17.8401 ug/mL
22	Toluene	108-88-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	trans-1,3-Dichloropropene	10061-02-6	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
24	1,1,2-Trichloroethane	79-00-5	98%	2,500.0 ug/mL	+/- 17.8401 ug/mL
25	Tetrachloroethene	127-18-4	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
26	dibromochloromethane	124-48-1	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
27	1,2-Dibromoethane (EDB)	106-93-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	Chlorobenzene	108-90-7	99%	2,500.0 ug/mL	+/- 17.8402 ug/mL
29	Ethylbenzene	100-41-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
30	m-Xylene	108-38-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
31	p-Xylene	106-42-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
32	o-Xylene	95-47-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
33	Styrene	100-42-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL

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Catalog No. : 563136 **Lot No.:** A085140

Description : Custom Revised Supplemental Spike Mix

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] November 2016 **Storage:** 0°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Diethyl ether (ethyl ether)	60-29-7	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
2	tert-Butanol (TBA)	75-65-0	99%	50,001.6 ug/mL	+/- 292.755 ug/mL
3	Iodomethane (methyl iodide)	74-88-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
4	Diisopropyl ether (DIPE)	108-20-3	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
5	2,2-Dichloropropane	594-20-7	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
6	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	125,004.4 ug/mL	+/- 731.89 ug/mL
7	Bromochloromethane	74-97-5	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
8	Tetrahydrofuran	109-99-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
9	1,1-Dichloropropene	563-58-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
10	Dibromomethane	74-95-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
11	1,3-Dichloropropane	142-28-9	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
12	1,1,1,2-Tetrachloroethane	630-20-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
13	1,2,3-Trichloropropane	96-18-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
14	trans-1,4-dichloro-2-butene	110-57-6	98%	5,008.2 ug/mL	+/- 29.3241 ug/mL
15	n-Propylbenzene	103-65-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
16	Bromobenzene	108-86-1	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
17	1,3,5-Trimethylbenzene	108-67-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
18	2-Chlorotoluene	95-49-8	99%	2,501.2 ug/mL	+/- 14.6784 ug/mL
19	4-Chlorotoluene	106-43-4	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
20	tert-Butylbenzene	98-06-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
21	1,2,4-Trimethylbenzene	95-63-6	99%	2,500.4 ug/mL	+/- 14.6737 ug/mL
22	sec-Butylbenzene	135-98-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
23	4-Isopropyltoluene (p-Cymene)	99-87-6	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
24	1,2,3-Trimethylbenzene	526-73-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
25	n-Butylbenzene	104-51-8	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
26	Hexachlorobutadiene	87-68-3	98%	2,500.2 ug/mL	+/- 14.6724 ug/mL
27	Naphthalene	91-20-3	99%	2,500.0 ug/mL	+/- 14.6714 ug/mL
28	1,2,3-Trichlorobenzene	87-61-6	99%	2,500.4 ng/mL	+/- 14.6737 ug/mL

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DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4) CONCENTRATION	STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/- 75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/- 673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/- 78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/- 70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/- 71.4	LB80301

VM 861149_ 00015

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

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DESCRIPTION: 8260 Ketones Mix

CATALOG NO.: 861149 MFG DATE: Jun-2011

LOT NO.: LB85301 EXPIRATION DATE: Nov-2013

SOLVENT: METHANOL:WATER (30:70)

ANALYTE (1)	CAS NUMBER	PERCENT PURITY(2)	WEIGHT(3) CONCENTRATION	ANALYTICAL(4)	STD DEV	SUPELCO LOT NO
ACETONE	67-64-1	99.9	2000	1891	+/- 75.1	LB60265
CYCLOHEXANONE	108-94-1	99.5	20002	18806	+/- 673.6	LB67851
2-BUTANONE	78-93-3	99.9	2001	1888	+/- 78.2	LB38154
2-HEXANONE	591-78-6	99.9	2001	1877	+/- 70.9	LB57500
4-METHYL-2-PENTANONE	108-10-1	99.9	2001	1910	+/- 71.4	LB80301

VM 861149_ 00015

(1) Listed in alphabetical order.

(2) Determined by capillary GC-FID, unless otherwise noted.

(3) NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

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Custom Standard

Product Number: CUS-12302 **Page:** 1 of 2

Lot Number: CJ-3239 **Lot Issue Date:** 24-Aug-2012 **Expiration Date:** 30-Sep-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
allyl chloride	000107-05-1	NT00409	50.3 ± 0.3 µg/mL
dichlorofluoromethane	000075-43-4	rm05287	50.2 ± 0.3 µg/mL
isopropyl ether	000108-20-3	RM04345	251.3 ± 1.3 µg/mL
chloroprene	000126-99-8	rm03863	50.0 ± 0.3 µg/mL
n-butyl alcohol	000071-36-3	RM01319	1005 ± 5 µg/mL
propionitrile	000107-12-0	RM05687	100.5 ± 0.5 µg/mL
methacrylonitrile	000126-98-7	RM05541	50.2 ± 0.3 µg/mL
isobutyl alcohol	000078-83-1	RM00981	1005 ± 5 µg/mL
methyl methacrylate	000080-62-6	RM00686	50.3 ± 0.3 µg/mL
diethyl ether	000060-29-7	RM04318	50.3 ± 0.3 µg/mL
ethyl acetate	000141-78-6	RM01211	100.4 ± 0.5 µg/mL
2-nitropropane	000079-46-9	RM02410	100.5 ± 0.5 µg/mL
cyclohexanone	000108-94-1	RM00480	502.4 ± 2.5 µg/mL
ETBE	000637-92-3	RM05301	50.3 ± 0.3 µg/mL
TAME	000994-05-8	RM00554	50.3 ± 0.3 µg/mL
1,2,3-trimethylbenzene	000526-73-8	RM00843	50.3 ± 0.3 µg/mL
n-heptane	000142-82-5	RM04192	50.0 ± 0.3 µg/mL
n-butyl acetate	000123-86-4	RM01217	100.2 ± 0.5 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

ACCREDITED
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William J. Leary
Quality Assurance Manager

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Custom Standard

Product Number: CUS-12302 **Page:** 2 of 2

Lot Number: CJ-3239 **Lot Issue Date:** 24-Aug-2012 **Expiration Date:** 30-Sep-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-5013 **Page:** 1 of 1

Lot Number: CJ-3443 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
vinyl acetate	000108-05-4	RM04478	2507 ± 13 µg/mL
methyl acetate	000079-20-9	NT02091	2505 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leahy
Quality Assurance Manager

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Product Number: CUS-7814 **Page:** 1 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,1,2-trichlorotrifluoroethane	000076-13-1	1367777	50.2 ± 0.3 µg/mL
methyl iodide	000074-88-4	13302PC	50.2 ± 0.3 µg/mL
carbon disulfide	000075-15-0	AI-12071LU	50.2 ± 0.3 µg/mL
methylene chloride	000075-09-2	48248	50.2 ± 0.3 µg/mL
tert-butanol	000075-65-0	RM00555-0	1005 ± 5 µg/mL
1,1-dichloroethene	000075-35-4	02226CH	50.2 ± 0.3 µg/mL
1,1-dichloroethane	000075-34-3	64552/1	50.2 ± 0.3 µg/mL
trans-1,2-dichloroethene	000156-60-5	01306HD	50.2 ± 0.3 µg/mL
MTBE	001634-04-4	45123	50.2 ± 0.3 µg/mL
n-hexane	000110-54-3	4120791	50.2 ± 0.3 µg/mL
cis-1,2-dichloroethene	000156-59-2	MKBB9714	50.2 ± 0.3 µg/mL
tetrahydrofuran	000109-99-9	04928DN	50.2 ± 0.3 µg/mL
chloroform	000067-66-3	05143MN	50.2 ± 0.3 µg/mL
1,2-dichloroethane	000107-06-2	KN-09446KN	50.2 ± 0.3 µg/mL
dibromomethane	000074-95-3	EM-01514TJ	50.2 ± 0.3 µg/mL
1,4-dioxane	000123-91-1	RM02104-01	2501 ± 13 µg/mL
1,1,1-trichloroethane	000071-55-6	LU-13149TR	50.2 ± 0.3 µg/mL
carbon tetrachloride	000056-23-5	01704MF	50.2 ± 0.3 µg/mL
bromodichloromethane	000075-27-4	10529HD	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Product Number: CUS-7814 **Page:** 2 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

1,2-dichloropropane	000078-87-5	DC-120777	50.2 ± 0.3 µg/mL
cis-1,3-dichloropropene	010061-01-5	PR-110509-01	50.2 ± 0.3 µg/mL
trichloroethene	000079-01-6	KN-08846KN	50.2 ± 0.3 µg/mL
dibromochloromethane	000124-48-1	MU-07705AN	50.2 ± 0.3 µg/mL
1,2-dibromoethane	000106-93-4	TB-101777	50.2 ± 0.3 µg/mL
1,2,3-trichloropropane	000096-18-4	01610KH	50.2 ± 0.3 µg/mL
1,1,2-trichloroethane	000079-00-5	JB-0701HH	50.2 ± 0.3 µg/mL
benzene	000071-43-2	34097	50.2 ± 0.3 µg/mL
ethyl methacrylate	000097-63-2	04004EH	50.2 ± 0.3 µg/mL
trans-1,3-dichloropropene	010061-02-6	SR101007-01	50.2 ± 0.3 µg/mL
bromoform	000075-25-2	12312KC	50.2 ± 0.3 µg/mL
tetrachloroethene	000127-18-4	PS-00344BR	50.2 ± 0.3 µg/mL
toluene	000108-88-3	47144	50.2 ± 0.3 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	10917TB	50.2 ± 0.3 µg/mL
chlorobenzene	000108-90-7	07774MG	50.2 ± 0.3 µg/mL
ethylbenzene	000100-41-4	01558CC	50.2 ± 0.3 µg/mL
styrene	000100-42-5	LR-11228MQ	50.2 ± 0.3 µg/mL
trans-1,4-dichloro-2-butene	000110-57-6	17013BH	50.2 ± 0.3 µg/mL
m-xylene	000108-38-3	DI-00459CI	50.2 ± 0.3 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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William J. Leary
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Product Number: CUS-7814 **Page:** 3 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

p-xylene	000106-42-3	03747LN	50.2 ± 0.3 µg/mL
o-xylene	000095-47-6	DO-06834CO	50.2 ± 0.3 µg/mL
1,3-dichlorobenzene	000541-73-1	JN-05902LZ	50.2 ± 0.3 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	50.2 ± 0.3 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	50.2 ± 0.3 µg/mL
bromochloromethane	000074-97-5	JS-16015HS	50.2 ± 0.3 µg/mL
bromobenzene	000108-86-1	CG-02513MF	50.2 ± 0.3 µg/mL
isopropylbenzene	000098-82-8	02827BH	50.2 ± 0.3 µg/mL
n-propylbenzene	000103-65-1	LO-14503MR	50.2 ± 0.3 µg/mL
n-butylbenzene	000104-51-8	AA-28519CO	50.2 ± 0.3 µg/mL
sec-butylbenzene	000135-98-8	07610JE	50.2 ± 0.3 µg/mL
tert-butylbenzene	000098-06-6	MQ-04010MQ	50.2 ± 0.3 µg/mL
1,2,4-trimethylbenzene	000095-63-6	BO-13528BI	50.2 ± 0.3 µg/mL
1,3,5-trimethylbenzene	000108-67-8	KM-02011HM	50.2 ± 0.3 µg/mL
1,2,3-trichlorobenzene	000087-61-6	12912PF	50.2 ± 0.3 µg/mL
1,2,4-trichlorobenzene	000120-82-1	00334TQ	50.2 ± 0.3 µg/mL
1,1-dichloropropene	000563-58-6	PR-11130-8	50.2 ± 0.3 µg/mL
1,3-dichloropropane	000142-28-9	PR-17916MR	50.2 ± 0.3 µg/mL
2,2-dichloropropane	000594-20-7	03503TD	50.2 ± 0.3 µg/mL

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Quality Assurance Manager

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Custom Standard

Product Number: CUS-7814 **Page:** 4 of 4

Lot Number: CJ-0210 **Lot Issue Date:** 24-Jan-2012 **Expiration Date:** 28-Feb-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

2-chlorotoluene	000095-49-8	KZ-03621HX	50.2 ± 0.3 µg/mL
4-chlorotoluene	000106-43-4	03327TH	50.2 ± 0.3 µg/mL
4-isopropyltoluene	000099-87-6	PP-05104CP	50.2 ± 0.3 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	FBL-01	50.2 ± 0.3 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	50.1 ± 0.3 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	10312DD	50.2 ± 0.3 µg/mL
naphthalene	000091-20-3	14205KB	50.2 ± 0.3 µg/mL
methyl acetate	000079-20-9	16318HA	50.2 ± 0.3 µg/mL
methylcyclohexane	000108-87-2	02348HD	50.2 ± 0.3 µg/mL
cyclohexane	000110-82-7	46184	50.2 ± 0.3 µg/mL
1,3,5-trichlorobenzene	000108-70-3	HW-00718EV	50.2 ± 0.3 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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2/1/12 TS

Custom Standard

Product Number: CUS-8125 **Page:** 1 of 1

Lot Number: CG-3334 **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-2012

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	01127CO	25046 ± 125 µg/mL
dibromofluoromethane	001868-53-7	RM01021	25120 ± 126 µg/mL
1,2-dichloroethane-d4	017060-07-0	9H-136	25058 ± 125 µg/mL
toluene-d8	002037-26-5	E90P1	25096 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM CUS 8125- 00007

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Custom Standard

Product Number: CUS-8126 **Page:** 1 of 1

Lot Number: CJ-3237 **Lot Issue Date:** 23-Aug-2012 **Expiration Date:** 30-Sep-2014

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM05018	25079 ± 125 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM05021	25046 ± 125 µg/mL
fluorobenzene	000462-06-6	RM03366	25081 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at Room Temperature (18-25° C)

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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9/20/12
TJ

Custom Standard

Product Number: CUS-8634 **Page:** 1 of 1

Lot Number: CJ-3453 **Lot Issue Date:** 13-Sep-2012 **Expiration Date:** 31-Jan-2013

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
acrylonitrile	000107-13-1	RM05172	5015 ± 25 µg/mL
acetonitrile	000075-05-8	RM01645	25035 ± 125 µg/mL
acrolein	000107-02-8	RM01532	25058 ± 125 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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REC'D 5-15-12

VOC Gas Mixture

Product Number: DWM-544 **Page:** 1 of 1

Lot Number: CJ-0858 **Lot Issue Date:** 15-Mar-2012 **Expiration Date:** 30-Apr-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromomethane	000074-83-9	06623AQ	2008 ± 10 µg/mL
chloroethane	000075-00-3	00223KG	2009 ± 10 µg/mL
chloromethane	000074-87-3	07-44048	2008 ± 10 µg/mL
dichlorodifluoromethane	000075-71-8	Q96-67	2008 ± 10 µg/mL
trichlorofluoromethane	000075-69-4	DR-16417BR	2006 ± 10 µg/mL
vinyl chloride	000075-01-4	1201FC10	2008 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VM DWM544_00011

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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TS 6/9/11

2-Chloroethylvinyl Ether Solution

Product Number: EPA-1016 **Page:** 1 of 1

Lot Number: CG-0850 **Lot Issue Date:** Mar-2010 **Expiration Date:** Apr-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-chloroethylvinyl ether	000110-75-8	04606CJ	5015 ± 25 µg/mL

Matrix: methanol (methyl alcohol)

VMGPA1016_ 00003

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RCC'D 5-15-12

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Internal Standard Mixture

Product Number: STM-520 **Page:** 1 of 1

Lot Number: CH-3660 **Lot Issue Date:** 15-Nov-2011 **Expiration Date:** 31-Dec-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
chlorobenzene-d5	003114-55-4	RM01430-01	2503 ± 13 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM01700-06	2500 ± 13 µg/mL
fluorobenzene	000462-06-6	RM03366-01	2513 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMSTM520_00016

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RECD 5-15-12

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Method 8260 Surrogate Standard Mixture

Product Number: STM-530 **Page:** 1 of 1

Lot Number: CJ-1280 **Lot Issue Date:** 17-Apr-2012 **Expiration Date:** 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	RM03908-	2512 ± 13 µg/mL
dibromofluoromethane	001868-53-7	RM04871-01	2512 ± 13 µg/mL
1,2-dichloroethane-d4	017060-07-0	RM04304-	2512 ± 13 µg/mL
toluene-d8	002037-26-5	RM04138-	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

VMSTM530_ 00014

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10/10/12
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Method 8260 Surrogate Standard Mixture

Product Number: STM-530 **Page:** 1 of 1

Lot Number: CJ-1280 **Lot Issue Date:** 17-Apr-2012 **Expiration Date:** 31-May-2015

This certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
4-bromofluorobenzene	000460-00-4	RM03908-	2512 ± 13 µg/mL
dibromofluoromethane	001868-53-7	RM04871-01	2512 ± 13 µg/mL
1,2-dichloroethane-d4	017060-07-0	RM04304-	2512 ± 13 µg/mL
toluene-d8	002037-26-5	RM04138-	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at < 4° C

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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RECD
5-15-11

2-Methylnaphthalene Solution

Product Number: SV-200 **Page:** 1 of 1

Lot Number: CC-1268Z **Lot Issue Date:** 15-Jul-2011 **Expiration Date:** 31-Aug-2014

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
2-methylnaphthalene	000091-57-6	15416DA	100.4 ± 0.5 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store at Room Temperature (18-25° C)

VMSV200_00008

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

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Quality Assurance Manager

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-17810-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAP	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-66419/5	87	94	90	91
	MRL 240-66419/22	85	90	89	87

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

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
076SB-0068M-0001-SO	240-17810-1	81	94	91	88
076SB-0069M-0001-SO	240-17810-2	82	97	89	86
076SB-0070M-0001-SO	240-17810-3	82	96	95	91
076SB-0071M-0001-SO	240-17810-4	87	105	96	94
076SB-0072M-0001-SO	240-17810-5	81	94	90	85
076SB-0073M-0001-SO	240-17810-6	83	93	97	98
076SB-0074M-0001-SO	240-17810-7	83	100	95	92
	MB 240-66419/12	83	95	92	87
	LCS 240-66419/7	91	92	91	90

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

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MRL 240-65929/7	98	102	105	83
	MRL 240-65929/20	105	110	111	90

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

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
076SB-0075-0001-TB	240-17810-8	110	115	106	80
	MB 240-65929/6	101	108	102	81
	LCS 240-65929/4	96	101	102	94

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

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1130.D

Lab ID: LCS 240-65929/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	9.78	98	65-130	
1,1,2,2-Tetrachloroethane	10.0	9.31	93	65-130	
1,1,2-Trichloroethane	10.0	9.60	96	75-125	
1,1-Dichloroethane	10.0	10.3	103	70-135	
1,1-Dichloroethene	10.0	10.4	104	70-130	
1,2-Dichloroethane	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	9.37	94	75-125	
2-Butanone (MEK)	20.0	18.6	93	30-150	
2-Hexanone	20.0	18.6	93	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	18.4	92	60-135	
Acetone	20.0	21.0	105	40-140	
Benzene	10.0	9.60	96	80-120	
Bromoform	10.0	8.33	83	70-130	
Bromomethane	10.0	6.91	69	30-145	
Carbon disulfide	10.0	10.5	105	35-160	
Carbon tetrachloride	10.0	9.85	98	65-140	
Chlorobenzene	10.0	9.16	92	80-120	
Bromodichloromethane	10.0	9.51	95	75-120	
Chloromethane	10.0	9.01	90	40-125	
cis-1,3-Dichloropropene	10.0	8.52	85	70-130	
Dibromochloromethane	10.0	8.97	90	60-135	
Ethylbenzene	10.0	9.67	97	75-125	
Methyl tert-butyl ether	10.0	9.10	91	65-125	
Methylene Chloride	10.0	10.5	105	55-140	
Styrene	10.0	9.45	94	65-135	
Tetrachloroethene	10.0	9.55	95	45-150	
Toluene	10.0	9.91	99	75-120	
Chloroform	10.0	9.35	94	65-135	
Bromochloromethane	10.0	9.26	93	65-130	
trans-1,3-Dichloropropene	10.0	9.06	91	55-140	
Trichloroethene	10.0	8.89	89	70-125	
Vinyl chloride	10.0	9.88	99	50-145	
Chloroethane	10.0	7.19	72	60-135	
Xylenes, Total	30.0	28.9	96	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149472.D

Lab ID: LCS 240-66419/7 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	51.3	103	70-135	
1,1,2,2-Tetrachloroethane	50.0	50.5	101	55-130	
1,1,2-Trichloroethane	50.0	52.7	105	60-125	
1,1-Dichloroethane	50.0	52.9	106	75-125	
1,1-Dichloroethene	50.0	52.7	105	65-135	
1,2-Dichloroethane	50.0	50.7	101	70-135	
1,2-Dichloropropane	50.0	52.9	106	70-120	
2-Butanone (MEK)	100	103	103	30-160	
2-Hexanone	100	111	111	45-145	
4-Methyl-2-pentanone (MIBK)	100	106	106	45-145	
Acetone	100	140	140	20-160	
Benzene	50.0	50.2	100	75-125	
Bromoform	50.0	46.1	92	55-135	
Bromomethane	50.0	39.0	78	30-160	
Carbon disulfide	50.0	43.1	86	45-160	
Carbon tetrachloride	50.0	48.0	96	65-135	
Chlorobenzene	50.0	48.6	97	75-125	
Bromodichloromethane	50.0	46.3	93	70-130	
Chloromethane	50.0	43.2	86	50-130	
cis-1,3-Dichloropropene	50.0	45.5	91	70-125	
Dibromochloromethane	50.0	43.0	86	65-130	
Ethylbenzene	50.0	50.7	101	75-125	
Methyl tert-butyl ether	50.0	50.5	101	70-130	
Methylene Chloride	50.0	52.1	104	55-140	
Styrene	50.0	52.8	106	75-125	
Tetrachloroethene	50.0	50.1	100	65-140	
Toluene	50.0	50.6	101	70-125	
Chloroform	50.0	50.0	100	70-125	
Bromochloromethane	50.0	49.9	100	70-125	
trans-1,3-Dichloropropene	50.0	46.4	93	65-125	
Trichloroethene	50.0	53.0	106	75-125	
Vinyl chloride	50.0	43.6	87	60-125	
Chloroethane	50.0	46.3	93	40-155	
Xylenes, Total	150	152	102	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1133.D

Lab ID: MRL 240-65929/7 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.00105	105	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00110	110	70-130	
1,1,2-Trichloroethane	0.00100	0.00106	106	70-130	
1,1-Dichloroethane	0.00100	0.00112	112	70-130	
1,1-Dichloroethene	0.00100	0.00122	122	70-130	
1,2-Dichloroethane	0.00100	0.00105	105	70-130	
1,2-Dichloropropane	0.00100	0.000995 J	100	70-130	
2-Butanone (MEK)	0.0100	0.00706 J	71	70-130	
2-Hexanone	0.0100	0.00813 J	81	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00737 J	74	70-130	
Acetone	0.0100	0.00622 J	62	70-130	^
Benzene	0.00100	0.00102	102	70-130	
Bromoform	0.00100	0.000851 J	85	70-130	
Bromomethane	0.00100	0.00107	107	70-130	
Carbon disulfide	0.00100	0.00117	117	70-130	
Carbon tetrachloride	0.00100	0.00110	110	70-130	
Chlorobenzene	0.00100	0.000940 J	94	70-130	
Bromodichloromethane	0.00100	0.000961 J	96	70-130	
Chloromethane	0.00100	0.00111	111	70-130	
cis-1,3-Dichloropropene	0.00100	0.000807 J	81	70-130	
Dibromochloromethane	0.00100	0.000911 J	91	70-130	
Ethylbenzene	0.00100	0.000891 J	89	70-130	
Methyl tert-butyl ether	0.00100	0.000912 J	91	70-130	
Methylene Chloride	0.00100	0.00341	341	70-130	^
Styrene	0.00100	0.000694 J	69	70-130	^
Tetrachloroethene	0.00100	0.00122	122	70-130	
Toluene	0.00100	0.00107	107	70-130	
Chloroform	0.00100	0.00107	107	70-130	
Bromochloromethane	0.00100	0.000996 J	100	70-130	
trans-1,3-Dichloropropene	0.00100	0.000811 J	81	70-130	
Trichloroethene	0.00100	0.00103	103	70-130	
Vinyl chloride	0.00100	0.00118	118	70-130	
Chloroethane	0.00100	0.00102	102	70-130	
Xylenes, Total	0.00300	0.00257	86	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1146.D

Lab ID: MRL 240-65929/20 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00100	0.00108	108	70-130	
1,1,2,2-Tetrachloroethane	0.00100	0.00113	113	70-130	
1,1,2-Trichloroethane	0.00100	0.000935 J	93	70-130	
1,1-Dichloroethane	0.00100	0.00105	105	70-130	
1,1-Dichloroethene	0.00100	0.00102	102	70-130	
1,2-Dichloroethane	0.00100	0.00108	108	70-130	
1,2-Dichloropropane	0.00100	0.000939 J	94	70-130	
2-Butanone (MEK)	0.0100	0.00946 J	95	70-130	
2-Hexanone	0.0100	0.00929 J	93	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00890 J	89	70-130	
Acetone	0.0100	0.00626 J	63	70-130	^
Benzene	0.00100	0.00103	103	70-130	
Bromoform	0.00100	0.000777 J	78	70-130	
Bromomethane	0.00100	0.00116	116	70-130	
Carbon disulfide	0.00100	0.00107	107	70-130	
Carbon tetrachloride	0.00100	0.00102	102	70-130	
Chlorobenzene	0.00100	0.000958 J	96	70-130	
Bromodichloromethane	0.00100	0.000869 J	87	70-130	
Chloromethane	0.00100	0.00107	107	70-130	
cis-1,3-Dichloropropene	0.00100	0.000769 J	77	70-130	
Dibromochloromethane	0.00100	0.000849 J	85	70-130	
Ethylbenzene	0.00100	0.000841 J	84	70-130	
Methyl tert-butyl ether	0.00100	0.000910 J	91	70-130	
Methylene Chloride	0.00100	0.00242	242	70-130	^
Styrene	0.00100	0.000707 J	71	70-130	
Tetrachloroethene	0.00100	0.00101	101	70-130	
Toluene	0.00100	0.00104	104	70-130	
Chloroform	0.00100	0.00102	102	70-130	
Bromochloromethane	0.00100	0.000992 J	99	70-130	
trans-1,3-Dichloropropene	0.00100	0.000871 J	87	70-130	
Trichloroethene	0.00100	0.000933 J	93	70-130	
Vinyl chloride	0.00100	0.00130	130	70-130	
Chloroethane	0.00100	0.00108	108	70-130	
Xylenes, Total	0.00300	0.00238	79	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149470.D

Lab ID: MRL 240-66419/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00473	95	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00477	95	70-130	
1,1,2-Trichloroethane	0.00500	0.00530	106	70-130	
1,1-Dichloroethane	0.00500	0.00490	98	70-130	
1,1-Dichloroethene	0.00500	0.00531	106	70-130	
1,2-Dichloroethane	0.00500	0.00517	103	70-130	
1,2-Dichloropropane	0.00500	0.00523	105	70-130	
2-Butanone (MEK)	0.0100	0.0112	112	70-130	
2-Hexanone	0.0100	0.0117	117	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.0104	104	70-130	
Acetone	0.0100	0.0302	302	70-130	^
Benzene	0.00500	0.00509	102	70-130	
Bromoform	0.00500	0.00655	131	70-130	^
Bromomethane	0.00500	0.00582	116	70-130	
Carbon disulfide	0.00500	0.00589	118	70-130	
Carbon tetrachloride	0.00500	0.00585	117	70-130	
Chlorobenzene	0.00500	0.00517	103	70-130	
Bromodichloromethane	0.00500	0.00600	120	70-130	
Chloromethane	0.00500	0.00553	111	70-130	
cis-1,3-Dichloropropene	0.00500	0.00617	123	70-130	
Dibromochloromethane	0.00500	0.00621	124	70-130	
Ethylbenzene	0.00500	0.00501	100	70-130	
Methyl tert-butyl ether	0.00500	0.00500	100	70-130	
Methylene Chloride	0.00500	0.00625	125	70-130	
Styrene	0.00500	0.00494	99	70-130	
Tetrachloroethene	0.00500	0.00527	105	70-130	
Toluene	0.00500	0.00578	116	70-130	
Chloroform	0.00500	0.00498	100	70-130	
Bromochloromethane	0.00500	0.00485	97	70-130	
trans-1,3-Dichloropropene	0.00500	0.00619	124	70-130	
Trichloroethene	0.00500	0.00522	104	70-130	
Vinyl chloride	0.00500	0.00565	113	70-130	
Chloroethane	0.00500	0.00545	109	70-130	
Xylenes, Total	0.0150	0.0155	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149488.D

Lab ID: MRL 240-66419/22 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00467	93	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00463	93	70-130	
1,1,2-Trichloroethane	0.00500	0.00477	95	70-130	
1,1-Dichloroethane	0.00500	0.00500	100	70-130	
1,1-Dichloroethene	0.00500	0.00520	104	70-130	
1,2-Dichloroethane	0.00500	0.00519	104	70-130	
1,2-Dichloropropane	0.00500	0.00510	102	70-130	
2-Butanone (MEK)	0.0100	0.0107	107	70-130	
2-Hexanone	0.0100	0.00940 J	94	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00947 J	95	70-130	
Acetone	0.0100	0.0289	289	70-130	^
Benzene	0.00500	0.00506	101	70-130	
Bromoform	0.00500	0.00644	129	70-130	
Bromomethane	0.00500	0.00504	101	70-130	
Carbon disulfide	0.00500	0.00571	114	70-130	
Carbon tetrachloride	0.00500	0.00559	112	70-130	
Chlorobenzene	0.00500	0.00504	101	70-130	
Bromodichloromethane	0.00500	0.00584	117	70-130	
Chloromethane	0.00500	0.00490	98	70-130	
cis-1,3-Dichloropropene	0.00500	0.00597	119	70-130	
Dibromochloromethane	0.00500	0.00616	123	70-130	
Ethylbenzene	0.00500	0.00494	99	70-130	
Methyl tert-butyl ether	0.00500	0.00486	97	70-130	
Methylene Chloride	0.00500	0.00514	103	70-130	
Styrene	0.00500	0.00458	92	70-130	
Tetrachloroethene	0.00500	0.00499	100	70-130	
Toluene	0.00500	0.00516	103	70-130	
Chloroform	0.00500	0.00492	98	70-130	
Bromochloromethane	0.00500	0.00501	100	70-130	
trans-1,3-Dichloropropene	0.00500	0.00587	117	70-130	
Trichloroethene	0.00500	0.00501	100	70-130	
Vinyl chloride	0.00500	0.00508	102	70-130	
Chloroethane	0.00500	0.00435	87	70-130	
Xylenes, Total	0.0150	0.0151	101	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: 149476.D Lab Sample ID: MB 240-66419/12

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX14 Date Analyzed: 11/27/2012 14:29

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-66419/7	149472.D	11/27/2012 13:03
076SB-0068M-0001-SO	240-17810-1	149477.D	11/27/2012 14:51
076SB-0069M-0001-SO	240-17810-2	149478.D	11/27/2012 15:12
076SB-0070M-0001-SO	240-17810-3	149479.D	11/27/2012 15:34
076SB-0071M-0001-SO	240-17810-4	149480.D	11/27/2012 15:55
076SB-0073M-0001-SO	240-17810-6	149482.D	11/27/2012 16:38
076SB-0074M-0001-SO	240-17810-7	149483.D	11/27/2012 17:00
076SB-0072M-0001-SO	240-17810-5	149486.D	11/27/2012 18:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: UXX1132.D Lab Sample ID: MB 240-65929/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX10 Date Analyzed: 11/21/2012 11:58

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-65929/4	UXX1130.D	11/21/2012 11:14
076SB-0075-0001-TB	240-17810-8	UXX1140.D	11/21/2012 15:18

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: BFB5043.D BFB Injection Date: 11/12/2012

Instrument ID: A3UX10 BFB Injection Time: 13:44

Analysis Batch No.: 64678

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.1	
75	30.0 - 60.0 % of mass 95	45.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.4	(0.5)1
174	50.0 - 120.00 % of mass 95	84.3	
175	5.0 - 9.0 % of mass 174	5.5	(6.5)1
176	95.0 - 101.0 % of mass 174	83.6	(99.2)1
177	5.0 - 9.0 % of mass 176	5.2	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-64678/2	UXX0846.D	11/12/2012	15:10
	STD8260 240-64678/3	UXX0847.D	11/12/2012	15:33
	STD8260 240-64678/4	UXX0848.D	11/12/2012	15:55
	STD8260 240-64678/5	UXX0849.D	11/12/2012	16:17
	STD8260 240-64678/6	UXX0850.D	11/12/2012	16:40
	STD8260 240-64678/7	UXX0851.D	11/12/2012	17:02
	STDA9 240-64678/8	UXX0852.D	11/12/2012	17:24
	STDA9 240-64678/9	UXX0853.D	11/12/2012	17:46
	STDA9 240-64678/10	UXX0854.D	11/12/2012	18:09
	STDA9 240-64678/11	UXX0855.D	11/12/2012	18:31
	STDA9 240-64678/12	UXX0856.D	11/12/2012	18:53
	STDA9 240-64678/13	UXX0857.D	11/12/2012	19:16
	ICV 240-64678/14	UXX0858.D	11/12/2012	19:38

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: BFB5061.D BFB Injection Date: 11/21/2012

Instrument ID: A3UX10 BFB Injection Time: 10:04

Analysis Batch No.: 65929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	50.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.6	(0.7)1
174	50.0 - 120.00 % of mass 95	81.7	
175	5.0 - 9.0 % of mass 174	5.9	(7.2)1
176	95.0 - 101.0 % of mass 174	82.0	(100.4)1
177	5.0 - 9.0 % of mass 176	5.5	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-65929/2	UXX1128.D	11/21/2012	10:30
	LCS 240-65929/4	UXX1130.D	11/21/2012	11:14
	MB 240-65929/6	UXX1132.D	11/21/2012	11:58
	MRL 240-65929/7	UXX1133.D	11/21/2012	12:30
076SB-0075-0001-TB	240-17810-8	UXX1140.D	11/21/2012	15:18
	MRL 240-65929/20	UXX1146.D	11/21/2012	17:29
	LODV 240-65929/21	UXX1147.D	11/21/2012	17:51

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: BFB14288.D BFB Injection Date: 11/23/2012

Instrument ID: A3UX14 BFB Injection Time: 09:29

Analysis Batch No.: 66063

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.2	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	82.0	
175	5.0 - 9.0 % of mass 174	6.2	(7.6)1
176	95.0 - 101.0 % of mass 174	79.8	(97.4)1
177	5.0 - 9.0 % of mass 176	5.3	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 240-66063/3	149369.D	11/23/2012	10:11
	IC 240-66063/4	149370.D	11/23/2012	10:33
	IC 240-66063/5	149371.D	11/23/2012	10:54
	ICIS 240-66063/6	149372.D	11/23/2012	11:16
	IC 240-66063/7	149373.D	11/23/2012	11:37
	IC 240-66063/8	149374.D	11/23/2012	11:59
	IC 240-66063/9	149375.D	11/23/2012	12:20
	IC 240-66063/10	149376.D	11/23/2012	12:42
	IC 240-66063/11	149377.D	11/23/2012	13:03
	ICV 240-66063/13	149379.D	11/23/2012	13:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: BFB14291.D BFB Injection Date: 11/27/2012

Instrument ID: A3UX14 BFB Injection Time: 10:32

Analysis Batch No.: 66419

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.2	
75	30.0 - 60.0 % of mass 95	49.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	82.7	
175	5.0 - 9.0 % of mass 174	6.3	(7.6)1
176	95.0 - 101.0 % of mass 174	79.3	(95.9)1
177	5.0 - 9.0 % of mass 176	5.3	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-66419/4	149468.D	11/27/2012	11:36
	CCV 240-66419/10	149469.D	11/27/2012	11:58
	MRL 240-66419/5	149470.D	11/27/2012	12:20
	LCS 240-66419/7	149472.D	11/27/2012	13:03
	MB 240-66419/12	149476.D	11/27/2012	14:29
076SB-0068M-0001-SO	240-17810-1	149477.D	11/27/2012	14:51
076SB-0069M-0001-SO	240-17810-2	149478.D	11/27/2012	15:12
076SB-0070M-0001-SO	240-17810-3	149479.D	11/27/2012	15:34
076SB-0071M-0001-SO	240-17810-4	149480.D	11/27/2012	15:55
076SB-0073M-0001-SO	240-17810-6	149482.D	11/27/2012	16:38
076SB-0074M-0001-SO	240-17810-7	149483.D	11/27/2012	17:00
076SB-0072M-0001-SO	240-17810-5	149486.D	11/27/2012	18:05
	MRL 240-66419/22	149488.D	11/27/2012	18:48

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Sample No.: STD8260 240-64678/4 Date Analyzed: 11/12/2012 15:55

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXX0848.D Heated Purge: (Y/N) N

Calibration ID: 12291

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1810823	5.21	1245256	7.88	654209	10.13
UPPER LIMIT		3621646	5.71	2490512	8.38	1308418	10.63
LOWER LIMIT		905412	4.71	622628	7.38	327105	9.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-64678/14		1733806	5.20	1200825	7.88	656657	10.13
CCV 240-65929/2		2007495	5.21	1292840	7.88	677607	10.13
LCS 240-65929/4		2006611	5.21	1273857	7.88	669835	10.13
MB 240-65929/6		1882635	5.20	1166712	7.88	518952	10.13
MRL 240-65929/7		1897366	5.20	1159870	7.88	573299	10.13
240-17810-8	076SB-0075-0001-TB	1750972	5.21	1077331	7.88	483381	10.13
MRL 240-65929/20		1884843	5.21	1170505	7.88	595355	10.13
LODV 240-65929/21		1844789	5.21	1125663	7.88	531924	10.13

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Sample No.: ICIS 240-66063/6 Date Analyzed: 11/23/2012 11:16

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 149372.D Heated Purge: (Y/N) Y

Calibration ID: 12508

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		2172557	6.89	1274995	9.59	613392	11.57
UPPER LIMIT		4345114	7.39	2549990	10.09	1226784	12.07
LOWER LIMIT		1086279	6.39	637498	9.09	306696	11.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-66063/13		2162348	6.89	1319808	9.59	630640	11.57
CCV 240-66419/4		2220762	6.89	1281283	9.60	613919	11.57
CCV 240-66419/10		2210235	6.89	1312546	9.59	595311	11.57
MRL 240-66419/5		2149708	6.89	1339069	9.59	660093	11.57
LCS 240-66419/7		2220699	6.89	1342506	9.59	635774	11.57
MB 240-66419/12		2140818	6.89	1267736	9.59	636034	11.57
240-17810-1	076SB-0068M-0001-SO	2267397	6.89	1313298	9.59	653239	11.57
240-17810-2	076SB-0069M-0001-SO	2227801	6.89	1348172	9.59	668437	11.57
240-17810-3	076SB-0070M-0001-SO	2107383	6.89	1209357	9.59	566393	11.56
240-17810-4	076SB-0071M-0001-SO	1977043	6.89	1138884	9.60	540277	11.56
240-17810-6	076SB-0073M-0001-SO	2152435	6.89	1188131	9.59	492500	11.57
240-17810-7	076SB-0074M-0001-SO	2168686	6.89	1255565	9.59	614984	11.57
240-17810-5	076SB-0072M-0001-SO	2214128	6.89	1318125	9.59	666538	11.56
MRL 240-66419/22		2202967	6.89	1318865	9.59	647788	11.57

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0068M-0001-SO | Lab Sample ID: 240-17810-1

Matrix: Solid | Lab File ID: 149477.D

Analysis Method: 8260B/DoD | Date Collected: 11/16/2012 09:40

Sample wt/vol: 6.248(g) | Date Analyzed: 11/27/2012 14:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.1 | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.98	U	4.9	0.98	0.55
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	4.9	0.49	0.33
79-00-5	1,1,2-Trichloroethane	0.49	U	4.9	0.49	0.38
75-34-3	1,1-Dichloroethane	0.49	U	4.9	0.49	0.35
75-35-4	1,1-Dichloroethene	0.98	U	4.9	0.98	0.51
106-93-4	1,2-Dibromoethane	0.98	U	4.9	0.98	0.49
107-06-2	1,2-Dichloroethane	0.49	U	4.9	0.49	0.33
540-59-0	1,2-Dichloroethene, Total	0.98	U	9.8	0.98	0.75
78-87-5	1,2-Dichloropropane	0.98	U	4.9	0.98	0.67
78-93-3	2-Butanone (MEK)	5.9	J	20	2.0	1.4
591-78-6	2-Hexanone	0.98	U	20	0.98	0.62
108-10-1	4-Methyl-2-pentanone (MIBK)	0.98	U	20	0.98	0.53
67-64-1	Acetone	36	B	20	6.2	6.2
71-43-2	Benzene	0.49	U	4.9	0.49	0.22
74-97-5	Bromochloromethane	0.98	U	4.9	0.98	0.69
75-27-4	Bromodichloromethane	0.49	U	4.9	0.49	0.27
75-25-2	Bromoform	0.49	U	4.9	0.49	0.32
74-83-9	Bromomethane	0.98	U	4.9	0.98	0.53
75-15-0	Carbon disulfide	0.49	U	4.9	0.49	0.43
56-23-5	Carbon tetrachloride	0.49	U	4.9	0.49	0.36
108-90-7	Chlorobenzene	0.49	U	4.9	0.49	0.32
75-00-3	Chloroethane	0.98	U	4.9	0.98	0.84
67-66-3	Chloroform	0.49	U	4.9	0.49	0.28
74-87-3	Chloromethane	0.49	U	4.9	0.49	0.40
10061-01-5	cis-1,3-Dichloropropene	0.49	U	4.9	0.49	0.33
124-48-1	Dibromochloromethane	0.98	U	4.9	0.98	0.54
100-41-4	Ethylbenzene	0.49	U	4.9	0.49	0.25
1634-04-4	Methyl tert-butyl ether	0.49	U	4.9	0.49	0.42
75-09-2	Methylene Chloride	0.98	U	4.9	0.98	0.65
100-42-5	Styrene	0.49	U	4.9	0.49	0.15
127-18-4	Tetrachloroethene	0.98	U	4.9	0.98	0.51
108-88-3	Toluene	0.49	U	4.9	0.49	0.26
10061-02-6	trans-1,3-Dichloropropene	0.98	U	4.9	0.98	0.53
79-01-6	Trichloroethene	0.49	U	4.9	0.49	0.41
75-01-4	Vinyl chloride	0.49	U	4.9	0.49	0.38
1330-20-7	Xylenes, Total	1.5	U	9.8	1.5	0.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0068M-0001-SO Lab Sample ID: 240-17810-1

Matrix: Solid Lab File ID: 149477.D

Analysis Method: 8260B/DoD Date Collected: 11/16/2012 09:40

Sample wt/vol: 6.248(g) Date Analyzed: 11/27/2012 14:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 18.1 Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		61-130
460-00-4	4-Bromofluorobenzene (Surr)	88		85-120
1868-53-7	Dibromofluoromethane (Surr)	81		59-138
2037-26-5	Toluene-d8 (Surr)	91		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149477.D
Lims ID: 240-17810-B-1-A Client ID: 076SB-0068M-0001-SO
Inject. Date: 27-Nov-2012 14:51:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17810-b-1-a
Misc. Info.: 240-0015301-013 =240-0015301-013
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 66419 Lims Sample ID: 13
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK009

First Level Reviewer: macenczaks Date: 27-Nov-2012 15:09:44

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2267397	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	96	1313298	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	653239	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	72	456628	40.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	92	658700	47.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1869348	45.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	570985	43.8	
13 Chloromethane	50		1.607					
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
21 1,1-Dichloroethene	96		3.157					
22 Acetone	43	3.264	3.264	0.0	97	140964	36.6	
26 Carbon disulfide	76		3.429					9
30 Methylene Chloride	84		3.891					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.352					
36 1,1-Dichloroethane	63		4.920					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.701	5.701	0.0	95	33269	6.00	
47 Chlorobromomethane	128		5.926					
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
53 Carbon tetrachloride	117		6.388					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130	7.240	7.240	0.0	65	1468	0.1102	
62 1,2-Dichloropropane	63		7.453					
67 Dichlorobromomethane	83		7.713					
70 cis-1,3-Dichloropropene	75		8.115					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.257					
72 Toluene	91	8.411	8.411	0.0	75	7509	0.1654	
73 trans-1,3-Dichloropropene	75		8.600					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.884					
78 2-Hexanone	43		8.979					
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107		9.204					
82 Chlorobenzene	112		9.618					9
84 Ethylbenzene	106	9.713	9.713	0.0	30	528	0.0345	7
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	83	2310	0.1235	
85 o-Xylene	106		10.150					
86 Styrene	104		10.162					9
87 Bromoform	173		10.316					
90 1,1,2,2-Tetrachloroethane	83		10.707					9
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.1235	

QC Flag Legend

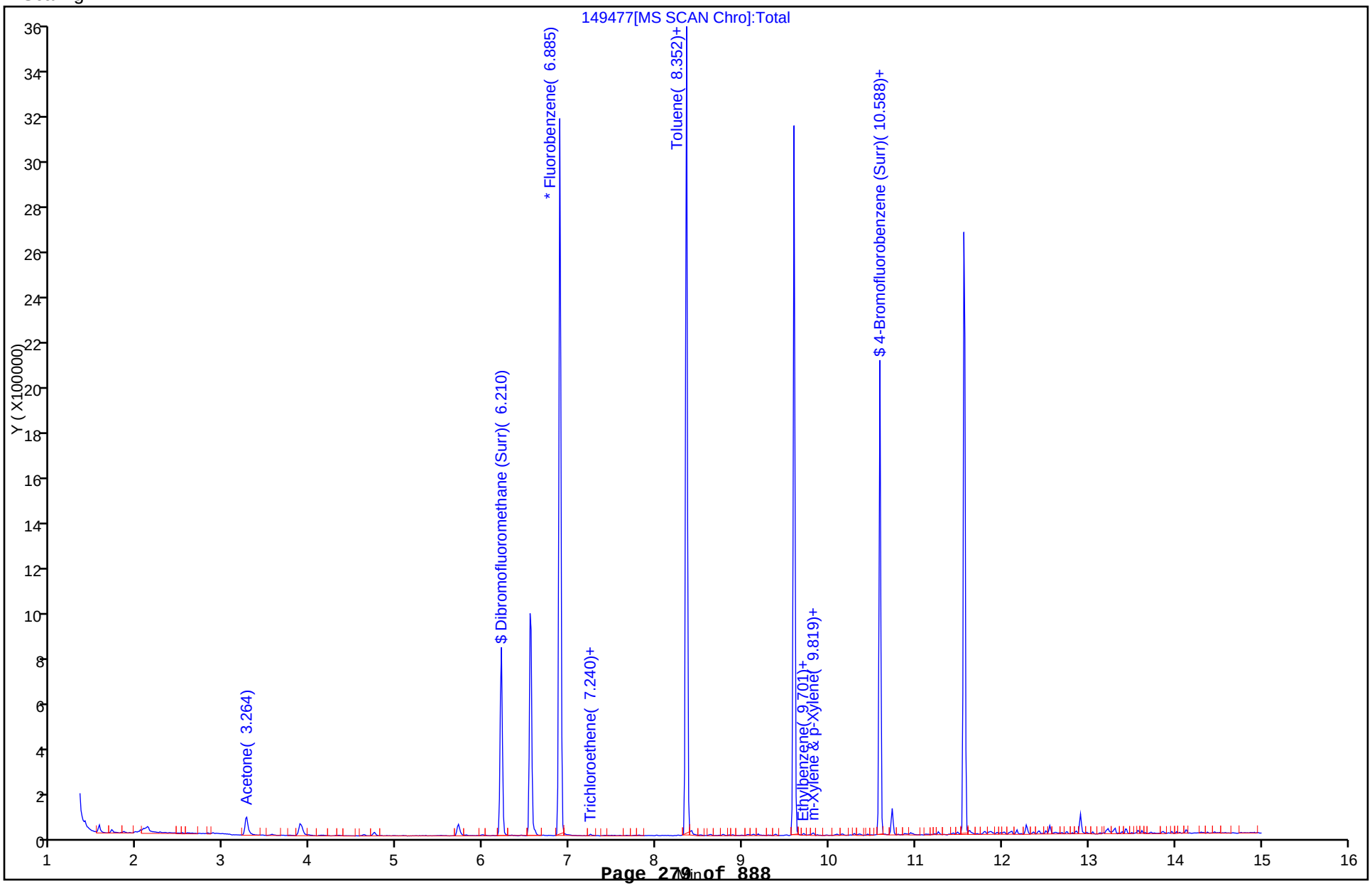
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 30-Nov-2012 09:51:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149477.D		
Injection Date:	27-Nov-2012 14:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0068M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	13
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



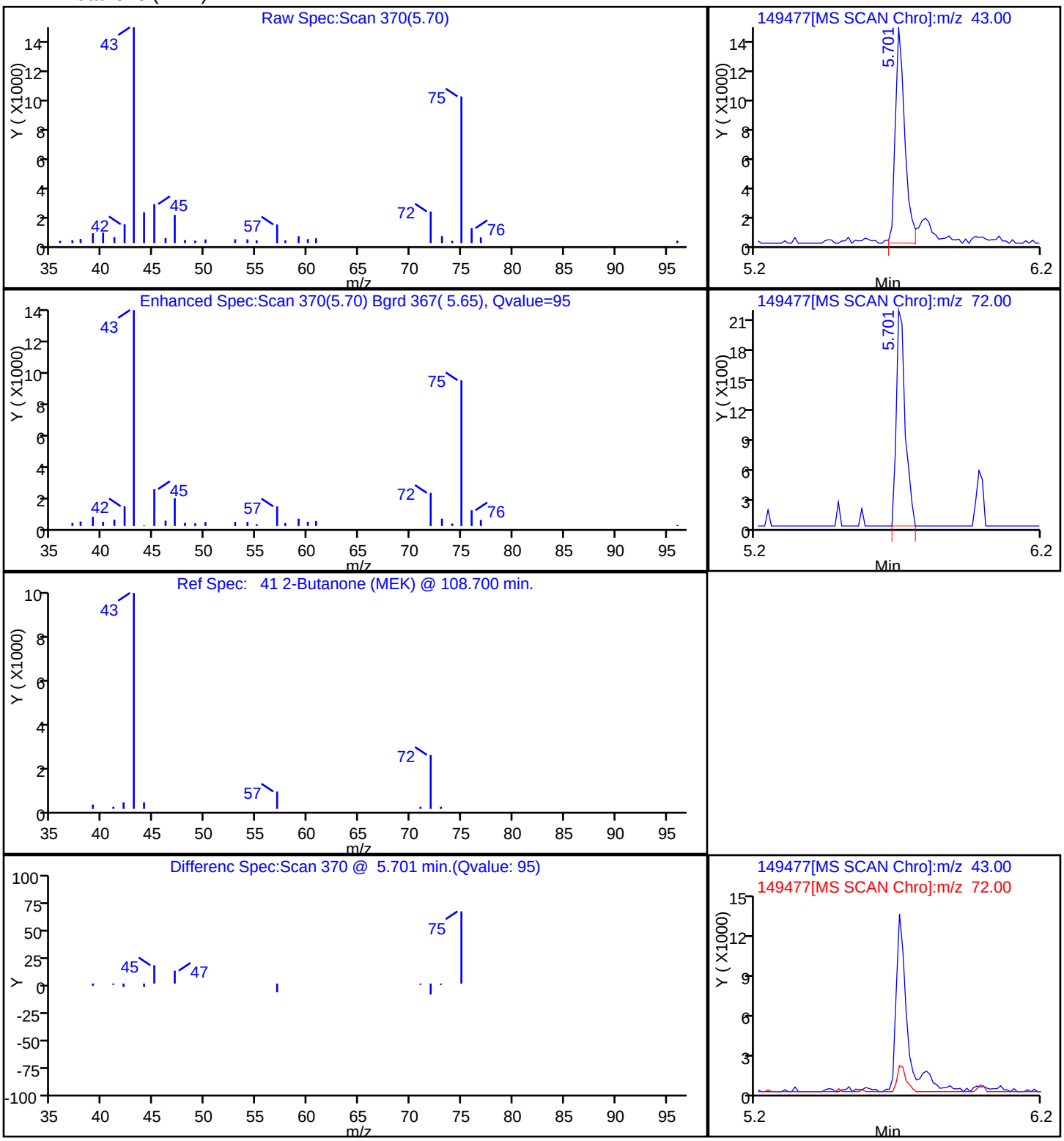
Report Date: 30-Nov-2012 09:51:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149477.D

Injection Date:	27-Nov-2012 14:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0068M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	13
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



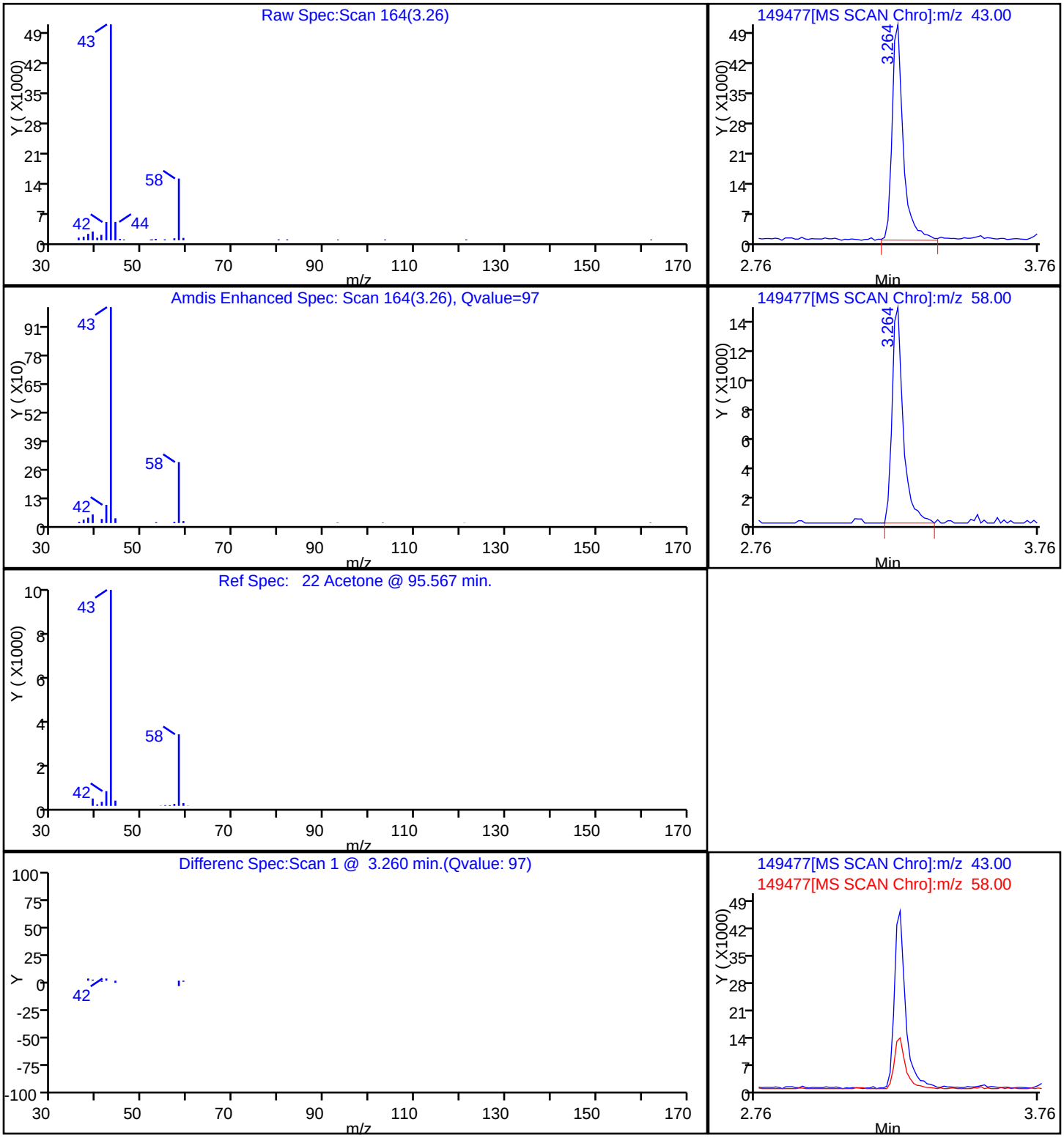
Report Date: 30-Nov-2012 09:51:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149477.D

Injection Date:	27-Nov-2012 14:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0068M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	13
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0069M-0001-SO | Lab Sample ID: 240-17810-2

Matrix: Solid | Lab File ID: 149478.D

Analysis Method: 8260B/DoD | Date Collected: 11/16/2012 09:40

Sample wt/vol: 5.963(g) | Date Analyzed: 11/27/2012 15:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.8 | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.97	U	4.9	0.97	0.54
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	4.9	0.49	0.33
79-00-5	1,1,2-Trichloroethane	0.49	U	4.9	0.49	0.38
75-34-3	1,1-Dichloroethane	0.49	U	4.9	0.49	0.35
75-35-4	1,1-Dichloroethene	0.97	U	4.9	0.97	0.51
106-93-4	1,2-Dibromoethane	0.97	U	4.9	0.97	0.49
107-06-2	1,2-Dichloroethane	0.49	U	4.9	0.49	0.33
540-59-0	1,2-Dichloroethene, Total	0.97	U	9.7	0.97	0.75
78-87-5	1,2-Dichloropropane	0.97	U	4.9	0.97	0.67
78-93-3	2-Butanone (MEK)	1.9	U	19	1.9	1.4
591-78-6	2-Hexanone	0.97	U	19	0.97	0.61
108-10-1	4-Methyl-2-pentanone (MIBK)	0.97	U	19	0.97	0.53
67-64-1	Acetone	6.1	U	19	6.1	6.1
71-43-2	Benzene	0.49	U	4.9	0.49	0.22
74-97-5	Bromochloromethane	0.97	U	4.9	0.97	0.69
75-27-4	Bromodichloromethane	0.49	U	4.9	0.49	0.27
75-25-2	Bromoform	0.49	U	4.9	0.49	0.32
74-83-9	Bromomethane	0.97	U	4.9	0.97	0.53
75-15-0	Carbon disulfide	2.9	J	4.9	0.49	0.43
56-23-5	Carbon tetrachloride	0.49	U	4.9	0.49	0.36
108-90-7	Chlorobenzene	0.49	U	4.9	0.49	0.32
75-00-3	Chloroethane	0.97	U	4.9	0.97	0.84
67-66-3	Chloroform	0.49	U	4.9	0.49	0.28
74-87-3	Chloromethane	0.49	U	4.9	0.49	0.40
10061-01-5	cis-1,3-Dichloropropene	0.49	U	4.9	0.49	0.33
124-48-1	Dibromochloromethane	0.97	U	4.9	0.97	0.53
100-41-4	Ethylbenzene	0.49	U	4.9	0.49	0.25
1634-04-4	Methyl tert-butyl ether	0.49	U	4.9	0.49	0.42
75-09-2	Methylene Chloride	0.97	U	4.9	0.97	0.65
100-42-5	Styrene	0.49	U	4.9	0.49	0.15
127-18-4	Tetrachloroethene	0.97	U	4.9	0.97	0.51
108-88-3	Toluene	0.49	U	4.9	0.49	0.26
10061-02-6	trans-1,3-Dichloropropene	0.97	U	4.9	0.97	0.53
79-01-6	Trichloroethene	0.49	U	4.9	0.49	0.41
75-01-4	Vinyl chloride	0.49	U	4.9	0.49	0.38
1330-20-7	Xylenes, Total	1.5	U	9.7	1.5	0.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0069M-0001-SO Lab Sample ID: 240-17810-2

Matrix: Solid Lab File ID: 149478.D

Analysis Method: 8260B/DoD Date Collected: 11/16/2012 09:40

Sample wt/vol: 5.963(g) Date Analyzed: 11/27/2012 15:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.8 Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		61-130
460-00-4	4-Bromofluorobenzene (Surr)	86		85-120
1868-53-7	Dibromofluoromethane (Surr)	82		59-138
2037-26-5	Toluene-d8 (Surr)	89		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149478.D
Lims ID: 240-17810-B-2-A Client ID: 076SB-0069M-0001-SO
Inject. Date: 27-Nov-2012 15:12:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17810-b-2-a
Misc. Info.: 240-0015301-014 =240-0015301-014
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 66419 Lims Sample ID: 14
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK009

First Level Reviewer: macenczaks Date: 27-Nov-2012 15:30:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2227801	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	92	1348172	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	99	668437	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	58	456558	41.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	92	664819	48.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1872263	44.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	92	571481	42.9	
13 Chloromethane	50		1.607					
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
21 1,1-Dichloroethene	96		3.157					
22 Acetone	43	3.264	3.264	0.0	96	37265	5.09	
26 Carbon disulfide	76	3.418	3.429	-0.011	62	1304	2.94	
30 Methylene Chloride	84		3.891					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.352					
36 1,1-Dichloroethane	63		4.920					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43		5.701					
47 Chlorobromomethane	128		5.926					
49 Chloroform	83		6.033					
50 1,1,1-Trichloroethane	97		6.210					
53 Carbon tetrachloride	117		6.388					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130		7.240					9
62 1,2-Dichloropropane	63		7.453					9
67 Dichlorobromomethane	83		7.713					
70 cis-1,3-Dichloropropene	75		8.115					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.257					
72 Toluene	91	8.411	8.411	0.0	69	6957	0.1493	
73 trans-1,3-Dichloropropene	75		8.600					
75 1,1,2-Trichloroethane	97		8.766					
77 Tetrachloroethene	164		8.884					
78 2-Hexanone	43		8.979					
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107		9.204					
82 Chlorobenzene	112		9.618					9
84 Ethylbenzene	106		9.713					
10 m-Xylene & p-Xylene	106	9.819	9.807	0.012	83	2084	0.1086	
85 o-Xylene	106		10.150					
86 Styrene	104		10.162					9
87 Bromoform	173		10.316					
90 1,1,2,2-Tetrachloroethane	83		10.707					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.1086	

QC Flag Legend

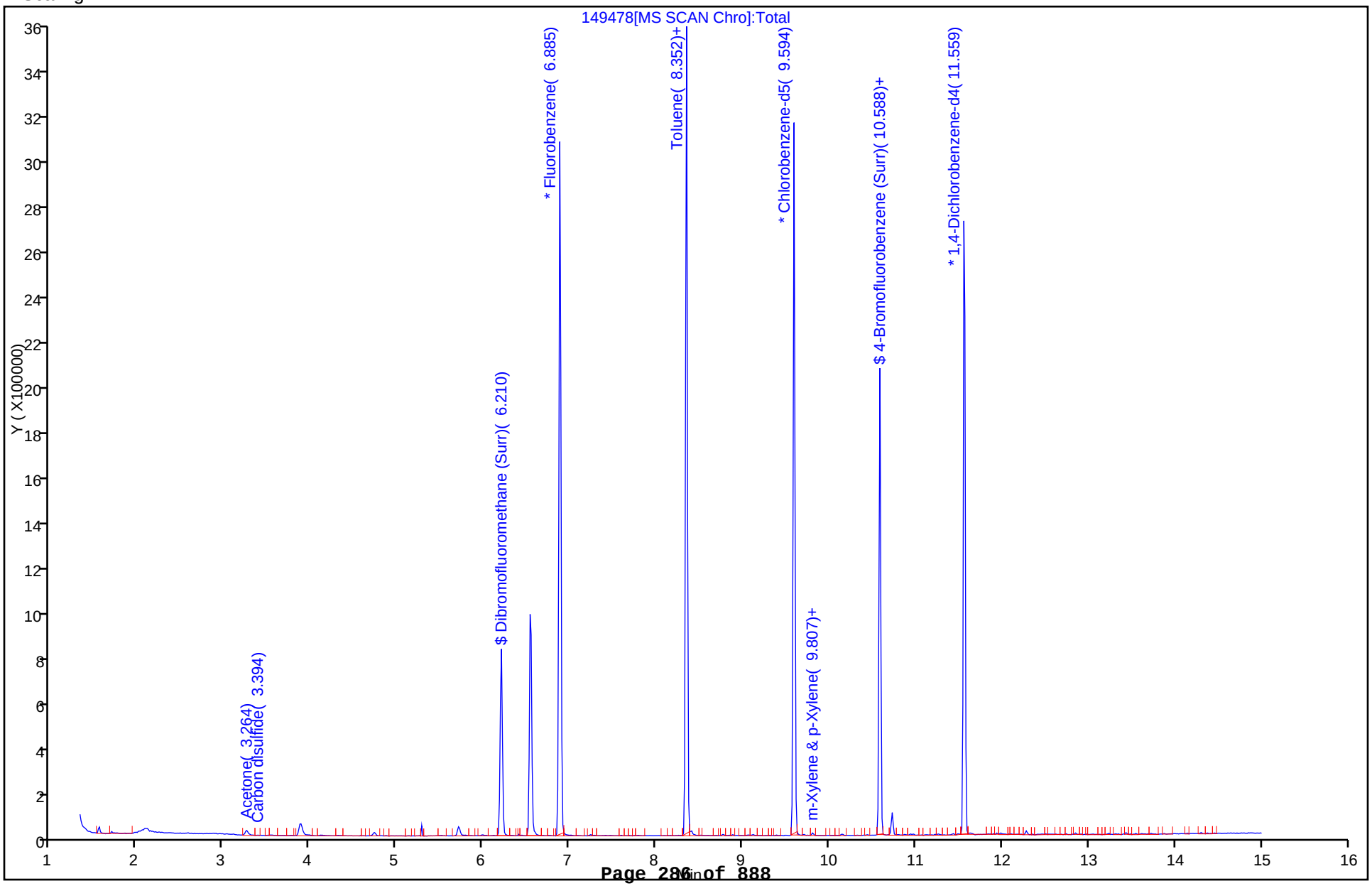
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 30-Nov-2012 09:51:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149478.D		
Injection Date:	27-Nov-2012 15:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0069M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	14
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



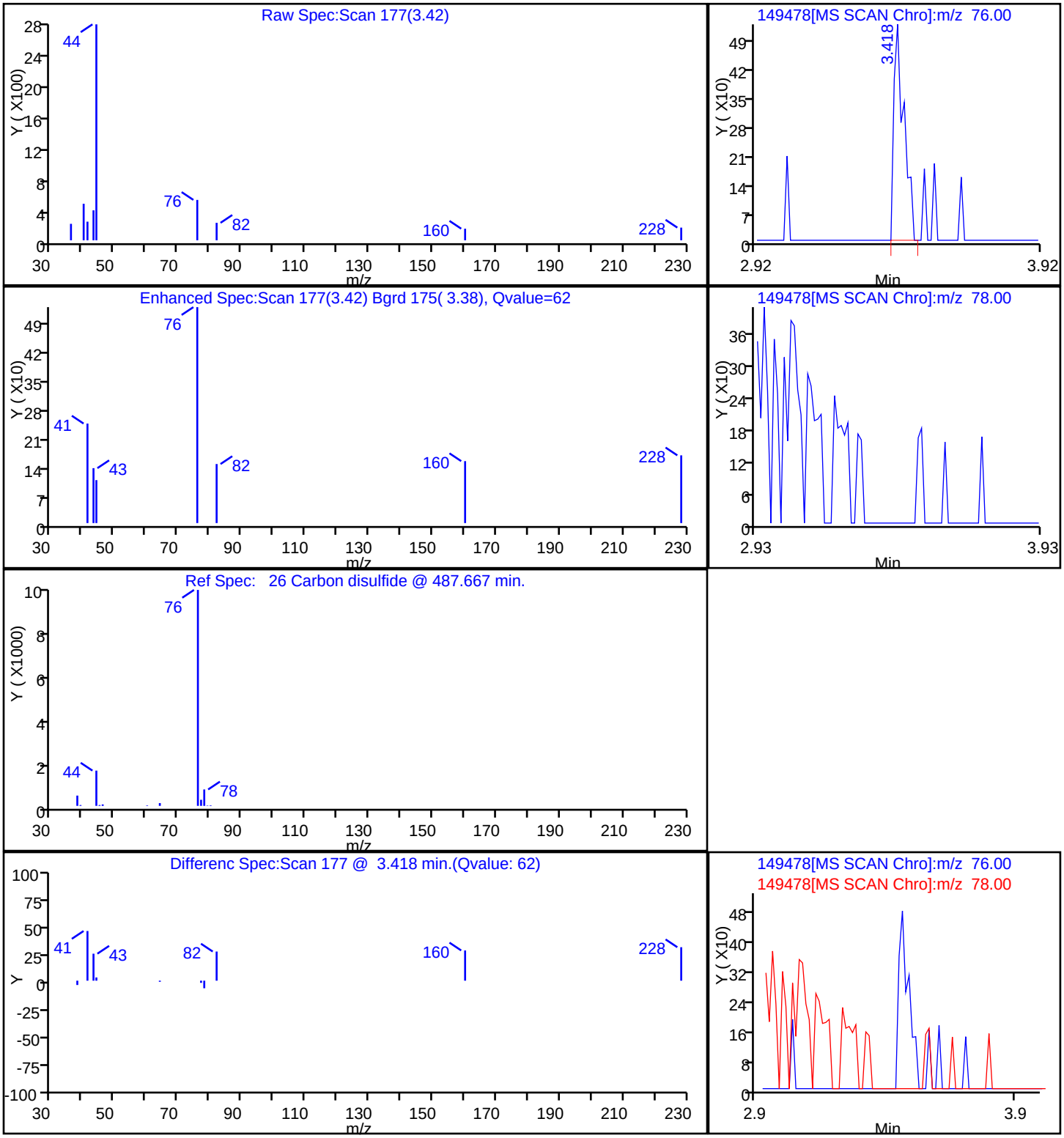
Report Date: 30-Nov-2012 09:51:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149478.D

Injection Date:	27-Nov-2012 15:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0069M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	14
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0070M-0001-SO | Lab Sample ID: 240-17810-3

Matrix: Solid | Lab File ID: 149479.D

Analysis Method: 8260B/DoD | Date Collected: 11/16/2012 09:25

Sample wt/vol: 5.714(g) | Date Analyzed: 11/27/2012 15:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.1 | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.0	U	5.2	1.0	0.58
79-34-5	1,1,2,2-Tetrachloroethane	0.52	U	5.2	0.52	0.35
79-00-5	1,1,2-Trichloroethane	0.52	U	5.2	0.52	0.40
75-34-3	1,1-Dichloroethane	0.52	U	5.2	0.52	0.37
75-35-4	1,1-Dichloroethene	1.0	U	5.2	1.0	0.54
106-93-4	1,2-Dibromoethane	1.0	U	5.2	1.0	0.52
107-06-2	1,2-Dichloroethane	0.52	U	5.2	0.52	0.35
540-59-0	1,2-Dichloroethene, Total	1.0	U	10	1.0	0.79
78-87-5	1,2-Dichloropropane	1.0	U	5.2	1.0	0.71
78-93-3	2-Butanone (MEK)	7.3	J	21	2.1	1.4
591-78-6	2-Hexanone	1.0	U	21	1.0	0.65
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	21	1.0	0.56
67-64-1	Acetone	34	B	21	6.5	6.5
71-43-2	Benzene	0.52	U	5.2	0.52	0.24
74-97-5	Bromochloromethane	1.0	U	5.2	1.0	0.73
75-27-4	Bromodichloromethane	0.52	U	5.2	0.52	0.29
75-25-2	Bromoform	0.52	U	5.2	0.52	0.34
74-83-9	Bromomethane	1.0	U	5.2	1.0	0.56
75-15-0	Carbon disulfide	3.1	J	5.2	0.52	0.45
56-23-5	Carbon tetrachloride	0.52	U	5.2	0.52	0.38
108-90-7	Chlorobenzene	0.52	U	5.2	0.52	0.34
75-00-3	Chloroethane	1.0	U	5.2	1.0	0.89
67-66-3	Chloroform	0.52	U	5.2	0.52	0.30
74-87-3	Chloromethane	0.52	U	5.2	0.52	0.42
10061-01-5	cis-1,3-Dichloropropene	0.52	U	5.2	0.52	0.35
124-48-1	Dibromochloromethane	1.0	U	5.2	1.0	0.57
100-41-4	Ethylbenzene	0.52	U	5.2	0.52	0.27
1634-04-4	Methyl tert-butyl ether	0.52	U	5.2	0.52	0.44
75-09-2	Methylene Chloride	1.0	U	5.2	1.0	0.69
100-42-5	Styrene	0.52	U	5.2	0.52	0.15
127-18-4	Tetrachloroethene	1.0	U	5.2	1.0	0.54
108-88-3	Toluene	0.33	J	5.2	0.52	0.28
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.2	1.0	0.56
79-01-6	Trichloroethene	0.52	U	5.2	0.52	0.43
75-01-4	Vinyl chloride	0.52	U	5.2	0.52	0.40
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0070M-0001-SO Lab Sample ID: 240-17810-3

Matrix: Solid Lab File ID: 149479.D

Analysis Method: 8260B/DoD Date Collected: 11/16/2012 09:25

Sample wt/vol: 5.714(g) Date Analyzed: 11/27/2012 15:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.1 Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		61-130
460-00-4	4-Bromofluorobenzene (Surr)	91		85-120
1868-53-7	Dibromofluoromethane (Surr)	82		59-138
2037-26-5	Toluene-d8 (Surr)	95		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149479.D
Lims ID: 240-17810-B-3-A Client ID: 076SB-0070M-0001-SO
Inject. Date: 27-Nov-2012 15:34:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17810-b-3-a
Misc. Info.: 240-0015301-015 =240-0015301-015
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 14
Lims Batch ID: 66419 Lims Sample ID: 15
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK009

First Level Reviewer: macenczaks Date: 27-Nov-2012 15:51:37

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2107383	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	1209357	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.570	-0.011	99	566393	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	74	428013	40.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	92	619592	47.8	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1786631	47.4	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	511423	45.3	
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					9
16 Chloroethane	64		2.187					
21 1,1-Dichloroethene	96		3.157					9
22 Acetone	43	3.264	3.264	0.0	98	120721	33.2	
26 Carbon disulfide	76	3.406	3.429	-0.023	58	2982	3.01	
30 Methylene Chloride	84		3.891					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.352					
36 1,1-Dichloroethane	63		4.920					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.701	5.701	0.0	96	36660	7.11	
47 Chlorobromomethane	128		5.926					
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
53 Carbon tetrachloride	117		6.388					
55 Benzene	78	6.601	6.601	0.0	22	6649	0.1529	
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130		7.240					
62 1,2-Dichloropropane	63		7.453					
67 Dichlorobromomethane	83		7.713					9
70 cis-1,3-Dichloropropene	75		8.115					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.257					9
72 Toluene	91	8.411	8.411	0.0	86	13423	0.3212	
73 trans-1,3-Dichloropropene	75		8.600					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.884					9
78 2-Hexanone	43		8.979					9
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107		9.204					19
82 Chlorobenzene	112		9.618					9
84 Ethylbenzene	106	9.713	9.713	0.0	63	1055	0.0748	7
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	92	3341	0.1940	
85 o-Xylene	106	10.150	10.150	0.0	75	2225	0.1336	
86 Styrene	104		10.162					
87 Bromoform	173		10.316					
90 1,1,2,2-Tetrachloroethane	83		10.707					9
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.3276	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

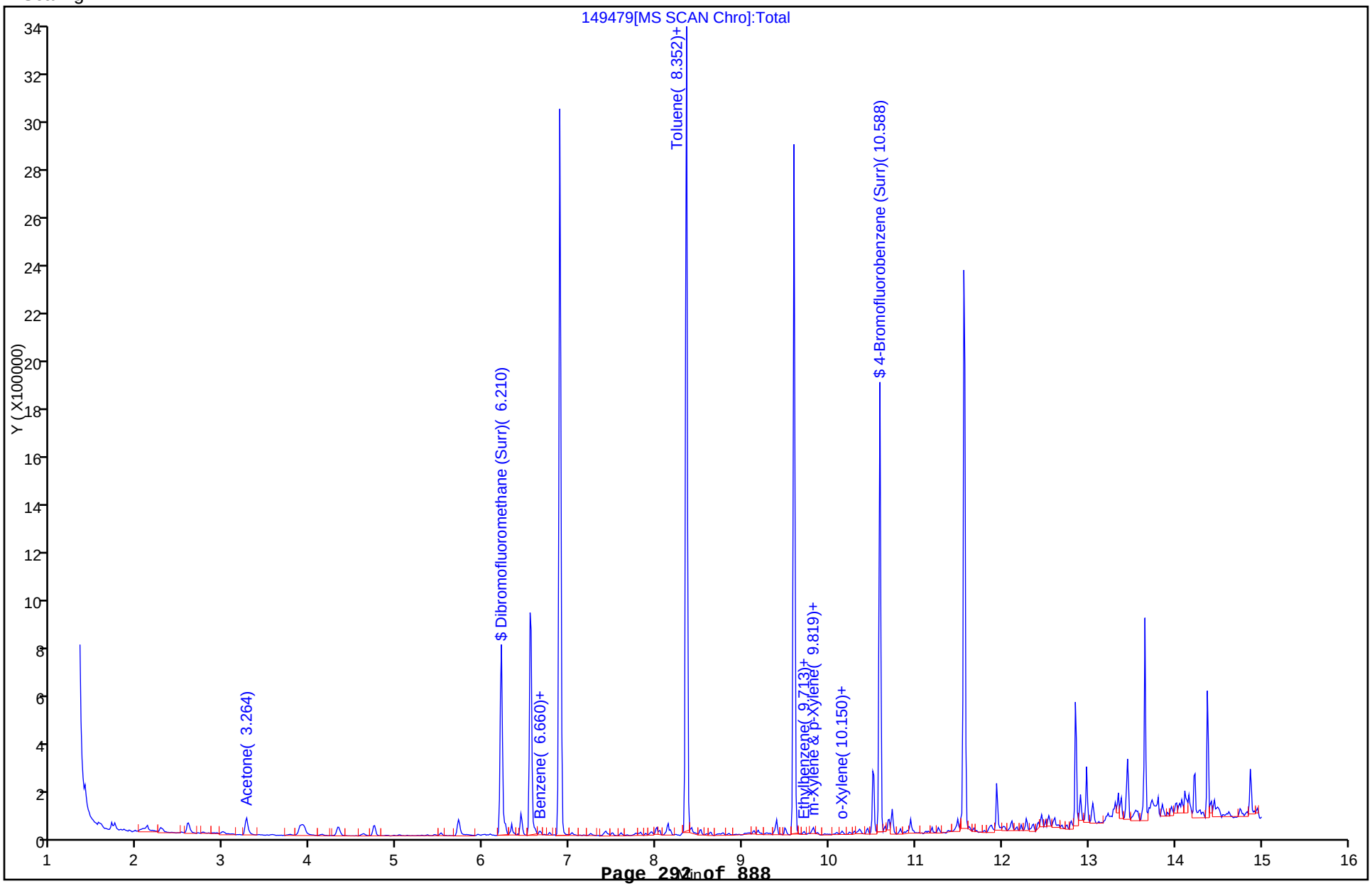
Report Date: 30-Nov-2012 09:51:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149479.D

Injection Date:	27-Nov-2012 15:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0070M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	15
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



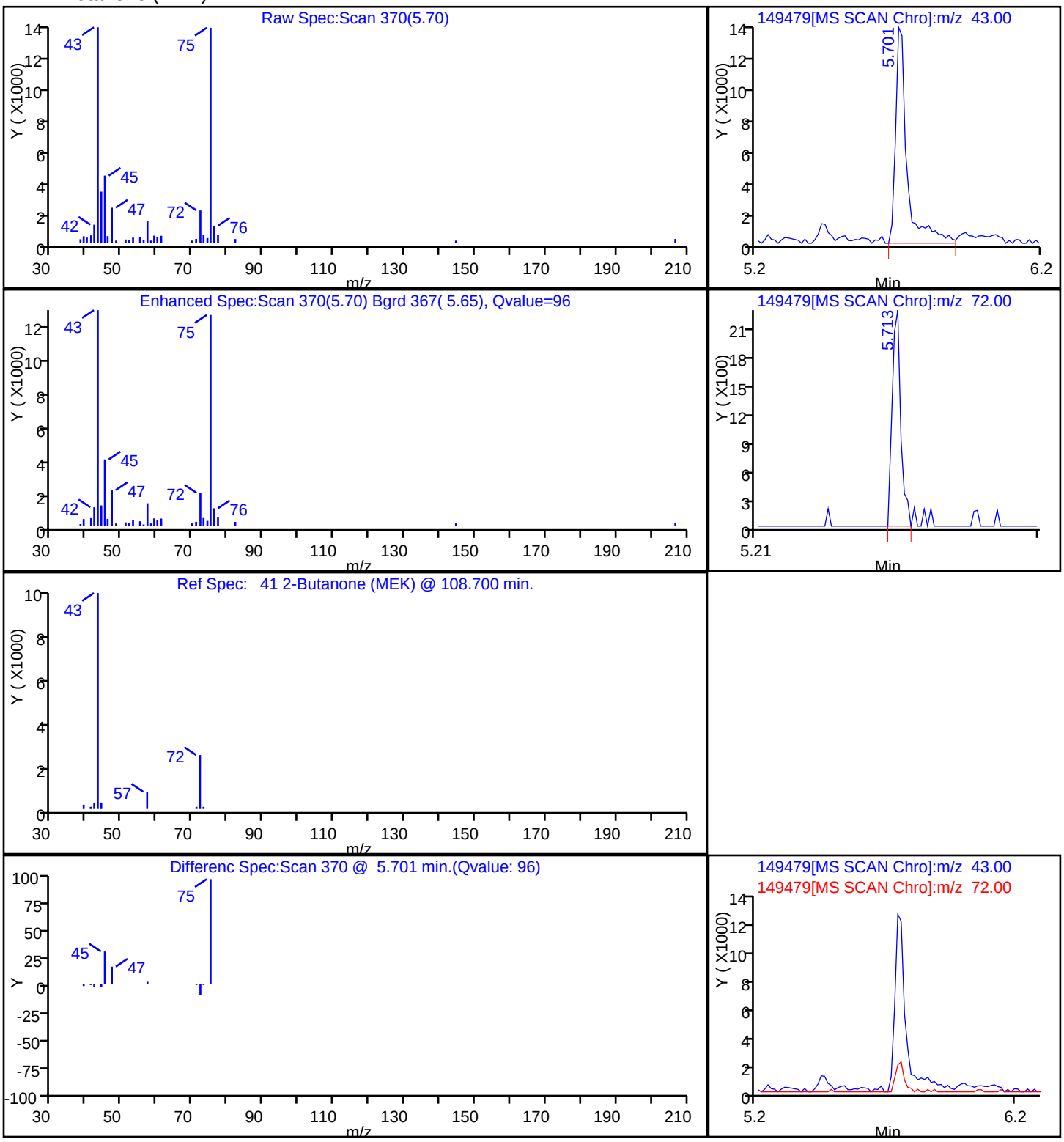
Report Date: 30-Nov-2012 09:51:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149479.D

Injection Date:	27-Nov-2012 15:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0070M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	15
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



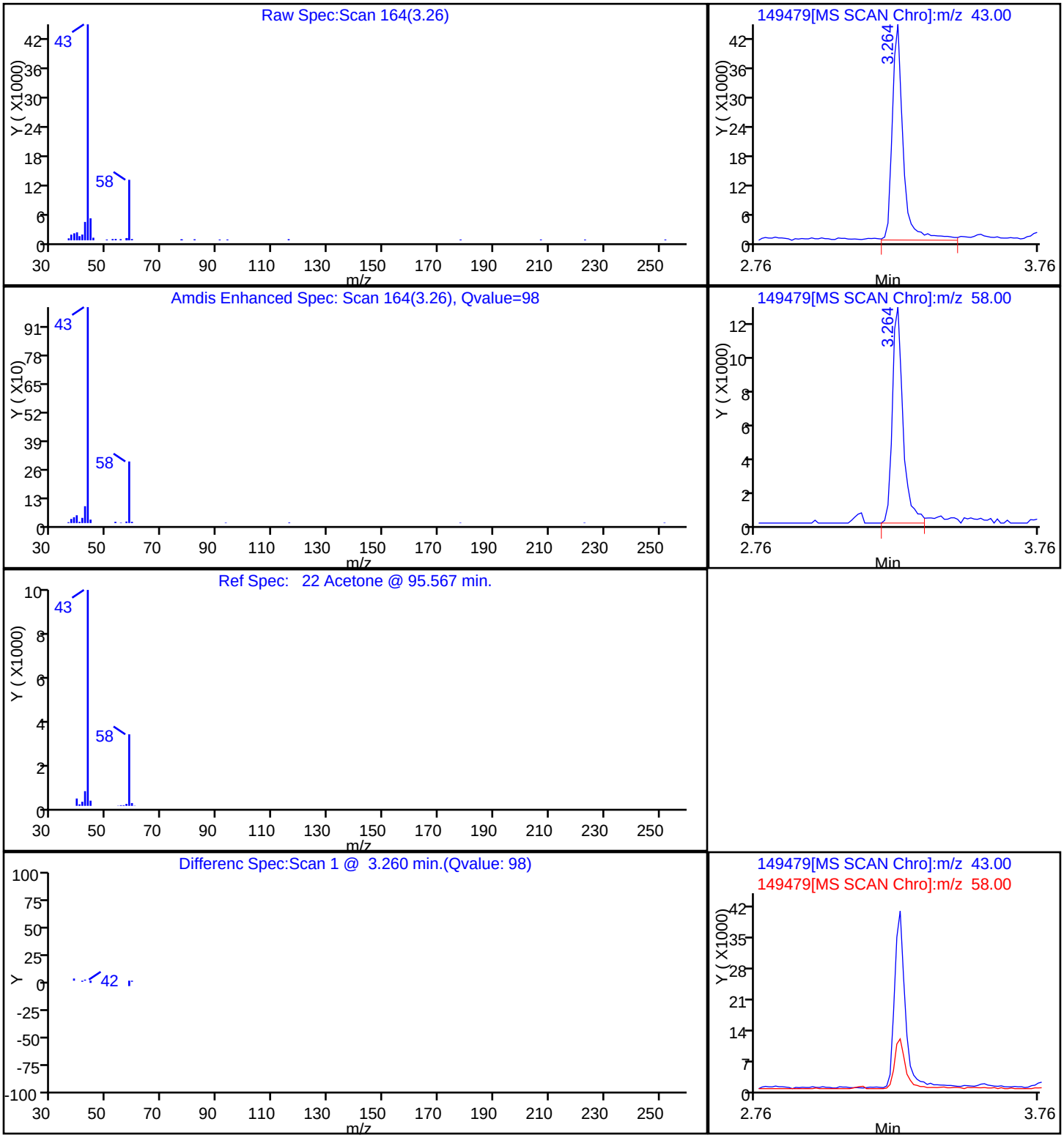
Report Date: 30-Nov-2012 09:51:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149479.D

Injection Date:	27-Nov-2012 15:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0070M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	15
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



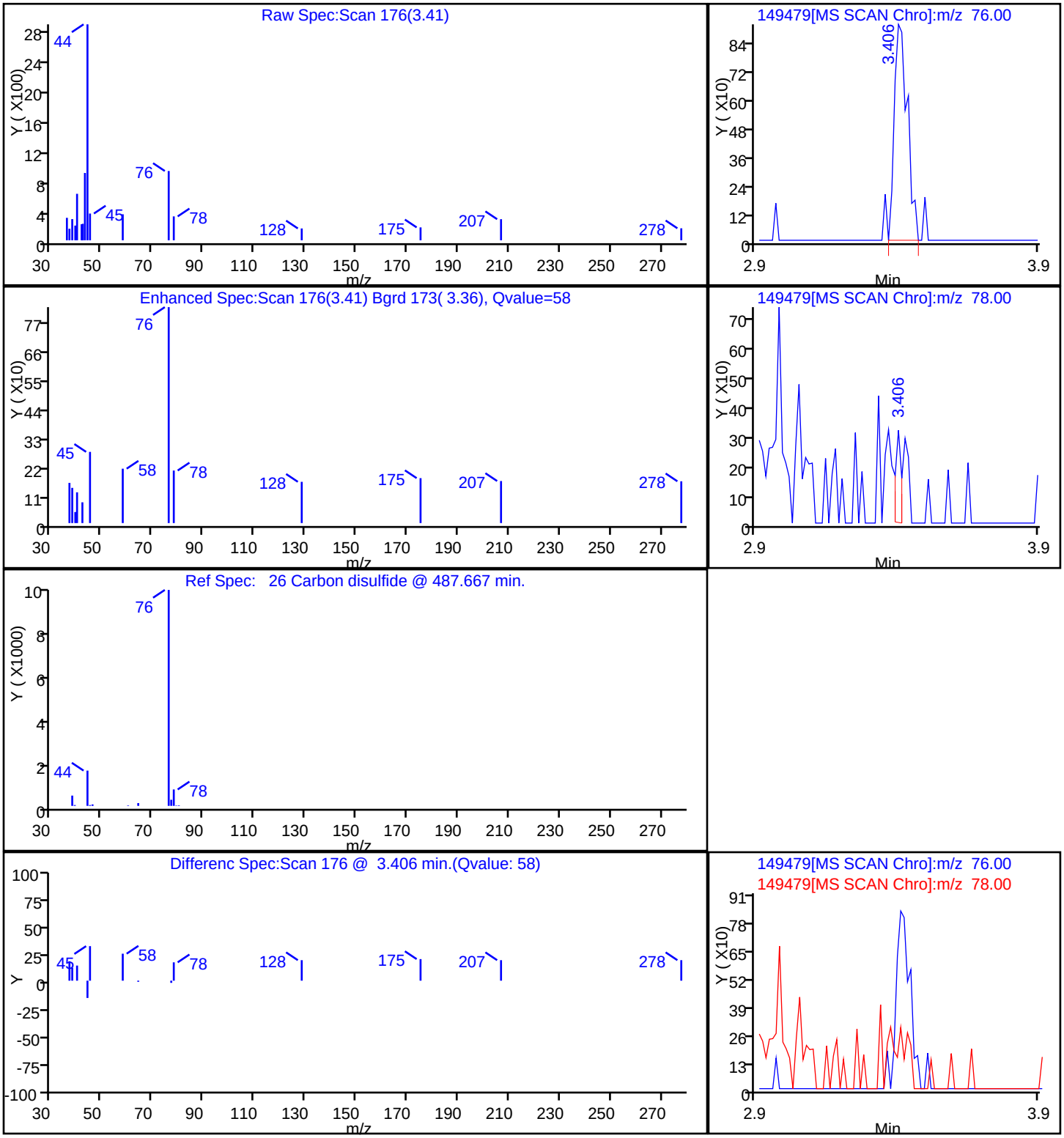
Report Date: 30-Nov-2012 09:51:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149479.D

Injection Date:	27-Nov-2012 15:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0070M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	15
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide



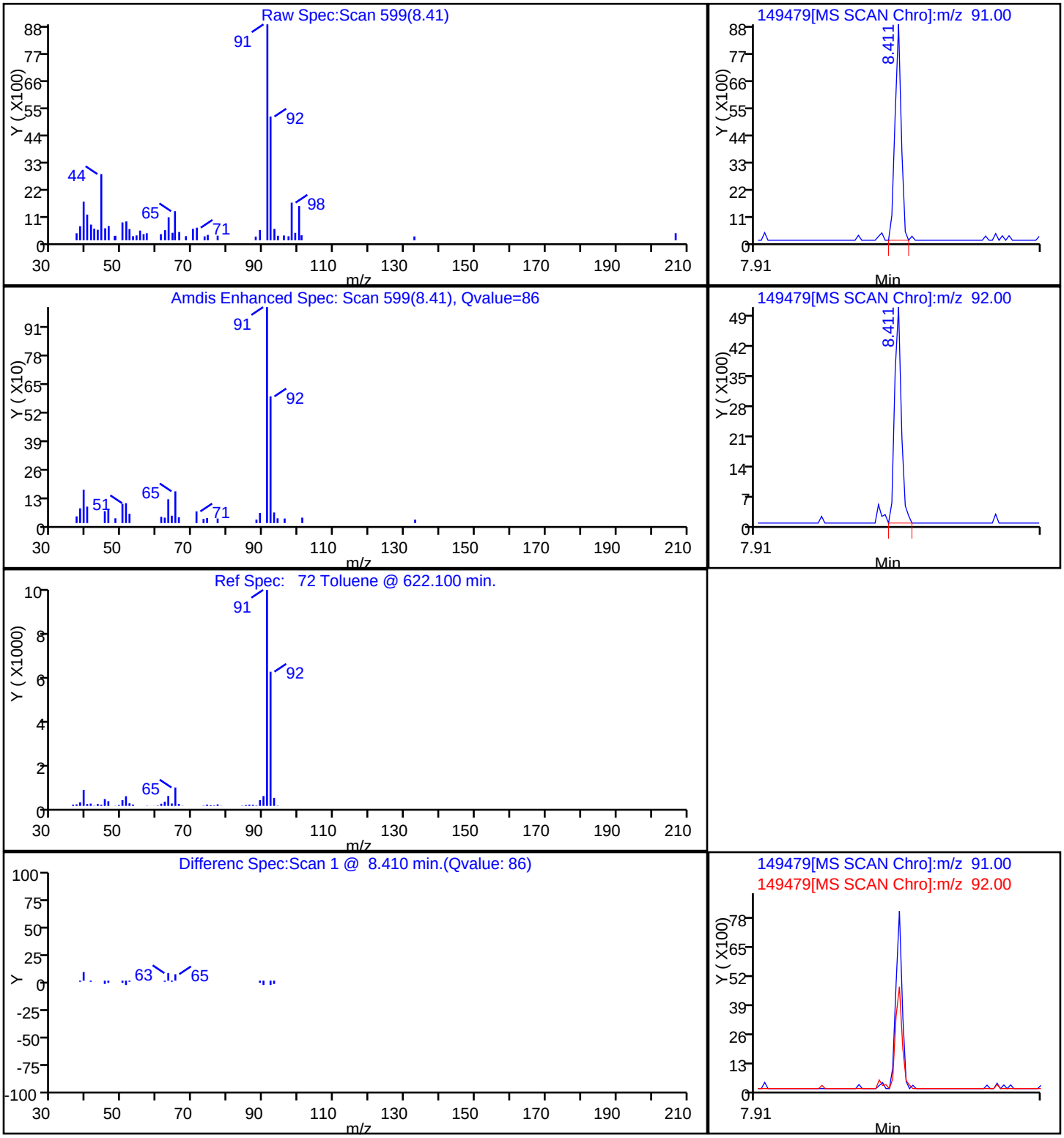
Report Date: 30-Nov-2012 09:51:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149479.D

Injection Date:	27-Nov-2012 15:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0070M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	15
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0071M-0001-SO | Lab Sample ID: 240-17810-4

Matrix: Solid | Lab File ID: 149480.D

Analysis Method: 8260B/DoD | Date Collected: 11/16/2012 09:15

Sample wt/vol: 11.028(g) | Date Analyzed: 11/27/2012 15:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.6 | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.59	U	2.9	0.59	0.33
79-34-5	1,1,2,2-Tetrachloroethane	0.29	U	2.9	0.29	0.20
79-00-5	1,1,2-Trichloroethane	0.29	U	2.9	0.29	0.23
75-34-3	1,1-Dichloroethane	0.29	U	2.9	0.29	0.21
75-35-4	1,1-Dichloroethene	0.59	U	2.9	0.59	0.30
106-93-4	1,2-Dibromoethane	0.59	U	2.9	0.59	0.29
107-06-2	1,2-Dichloroethane	0.29	U	2.9	0.29	0.20
540-59-0	1,2-Dichloroethene, Total	0.59	U	5.9	0.59	0.45
78-87-5	1,2-Dichloropropane	0.59	U	2.9	0.59	0.40
78-93-3	2-Butanone (MEK)	5.3	J	12	1.2	0.82
591-78-6	2-Hexanone	0.59	U	12	0.59	0.37
108-10-1	4-Methyl-2-pentanone (MIBK)	0.59	U	12	0.59	0.32
67-64-1	Acetone	39	B	12	3.7	3.7
71-43-2	Benzene	0.29	U	2.9	0.29	0.13
74-97-5	Bromochloromethane	0.59	U	2.9	0.59	0.42
75-27-4	Bromodichloromethane	0.29	U	2.9	0.29	0.16
75-25-2	Bromoform	0.29	U	2.9	0.29	0.19
74-83-9	Bromomethane	0.59	U	2.9	0.59	0.32
75-15-0	Carbon disulfide	1.7	J	2.9	0.29	0.26
56-23-5	Carbon tetrachloride	0.29	U	2.9	0.29	0.22
108-90-7	Chlorobenzene	0.29	U	2.9	0.29	0.19
75-00-3	Chloroethane	0.59	U	2.9	0.59	0.50
67-66-3	Chloroform	0.29	U	2.9	0.29	0.17
74-87-3	Chloromethane	0.29	U	2.9	0.29	0.24
10061-01-5	cis-1,3-Dichloropropene	0.29	U	2.9	0.29	0.20
124-48-1	Dibromochloromethane	0.59	U	2.9	0.59	0.32
100-41-4	Ethylbenzene	0.29	U	2.9	0.29	0.15
1634-04-4	Methyl tert-butyl ether	0.29	U	2.9	0.29	0.25
75-09-2	Methylene Chloride	0.59	U	2.9	0.59	0.39
100-42-5	Styrene	0.29	U	2.9	0.29	0.088
127-18-4	Tetrachloroethene	0.59	U	2.9	0.59	0.30
108-88-3	Toluene	0.29	U	2.9	0.29	0.16
10061-02-6	trans-1,3-Dichloropropene	0.59	U	2.9	0.59	0.32
79-01-6	Trichloroethene	0.29	U	2.9	0.29	0.25
75-01-4	Vinyl chloride	0.29	U	2.9	0.29	0.23
1330-20-7	Xylenes, Total	0.88	U	5.9	0.88	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0071M-0001-SO Lab Sample ID: 240-17810-4

Matrix: Solid Lab File ID: 149480.D

Analysis Method: 8260B/DoD Date Collected: 11/16/2012 09:15

Sample wt/vol: 11.028(g) Date Analyzed: 11/27/2012 15:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.6 Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		61-130
460-00-4	4-Bromofluorobenzene (Surr)	94		85-120
1868-53-7	Dibromofluoromethane (Surr)	87		59-138
2037-26-5	Toluene-d8 (Surr)	96		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149480.D
Lims ID: 240-17810-B-4-A Client ID: 076SB-0071M-0001-SO
Inject. Date: 27-Nov-2012 15:55:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17810-b-4-a
Misc. Info.: 240-0015301-016 =240-0015301-016
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 15
Lims Batch ID: 66419 Lims Sample ID: 16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK009

First Level Reviewer: macenczaks Date: 27-Nov-2012 16:13:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	1977043	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.594	0.0	92	1138884	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.570	-0.011	97	540277	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	62	427244	43.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	91	637030	52.5	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1702694	48.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	508004	47.2	
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					9
16 Chloroethane	64		2.187					
21 1,1-Dichloroethene	96		3.157					
22 Acetone	43	3.264	3.264	0.0	98	208905	66.8	
26 Carbon disulfide	76	3.418	3.429	-0.011	85	2122	2.98	
30 Methylene Chloride	84		3.891					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.352					
36 1,1-Dichloroethane	63		4.920					
42 cis-1,2-Dichloroethene	96		5.654					9
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	43481	8.99	
47 Chlorobromomethane	128		5.926					
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
53 Carbon tetrachloride	117		6.388					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130	7.252	7.240	0.012	64	1908	0.1643	
62 1,2-Dichloropropane	63		7.453					
67 Dichlorobromomethane	83		7.713					
70 cis-1,3-Dichloropropene	75		8.115					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.257					
72 Toluene	91	8.411	8.411	0.0	87	8629	0.2192	
73 trans-1,3-Dichloropropene	75		8.600					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.884					
78 2-Hexanone	43		8.979					9
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107		9.204					
82 Chlorobenzene	112		9.618					9
84 Ethylbenzene	106	9.713	9.713	0.0	30	580	0.0437	7
10 m-Xylene & p-Xylene	106	9.808	9.807	0.001	87	2749	0.1695	
85 o-Xylene	106		10.150					
86 Styrene	104		10.162					
87 Bromoform	173		10.316					
90 1,1,2,2-Tetrachloroethane	83		10.707					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.1695	

QC Flag Legend

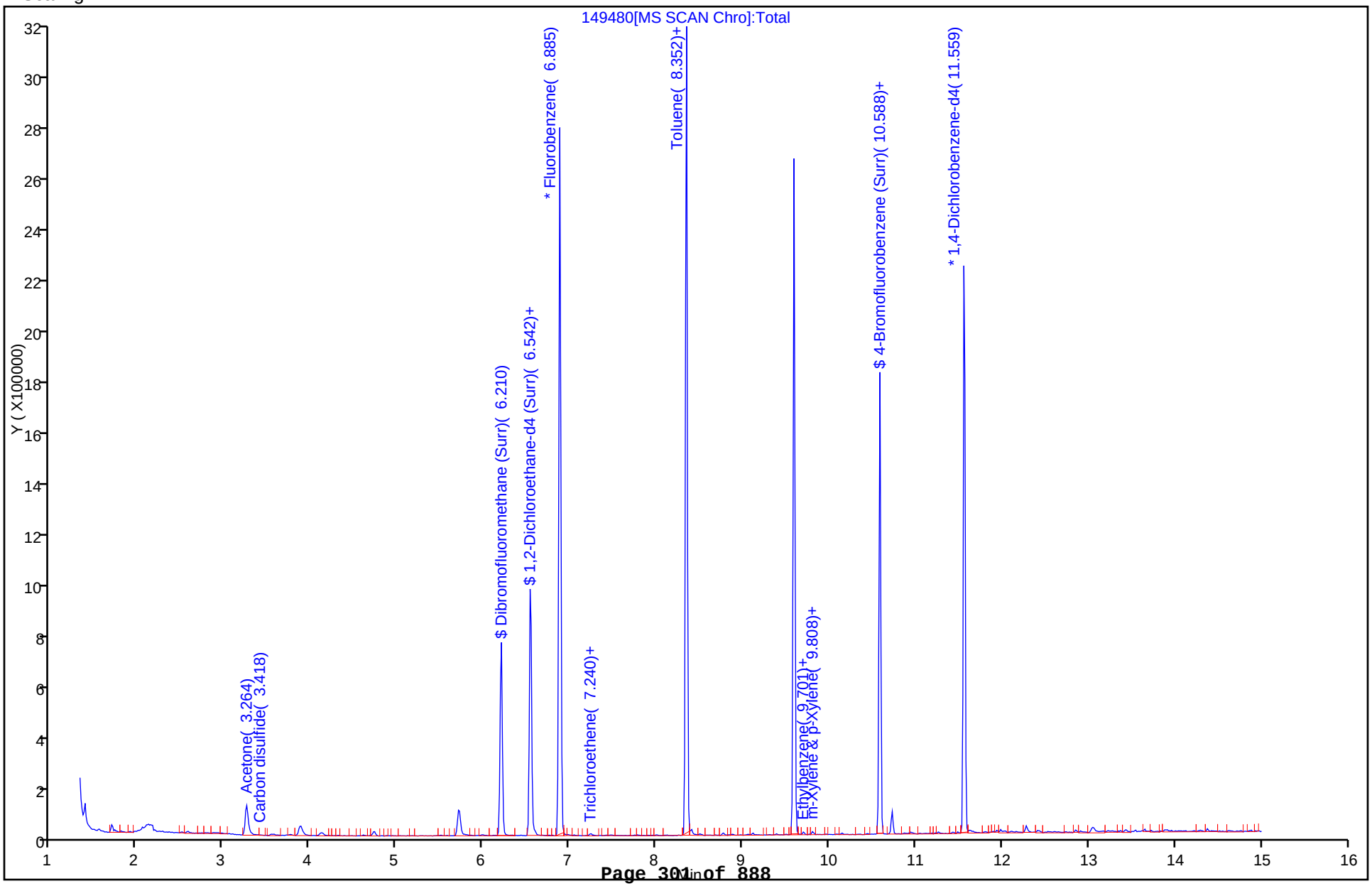
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 30-Nov-2012 09:51:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149480.D		
Injection Date:	27-Nov-2012 15:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0071M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	16
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



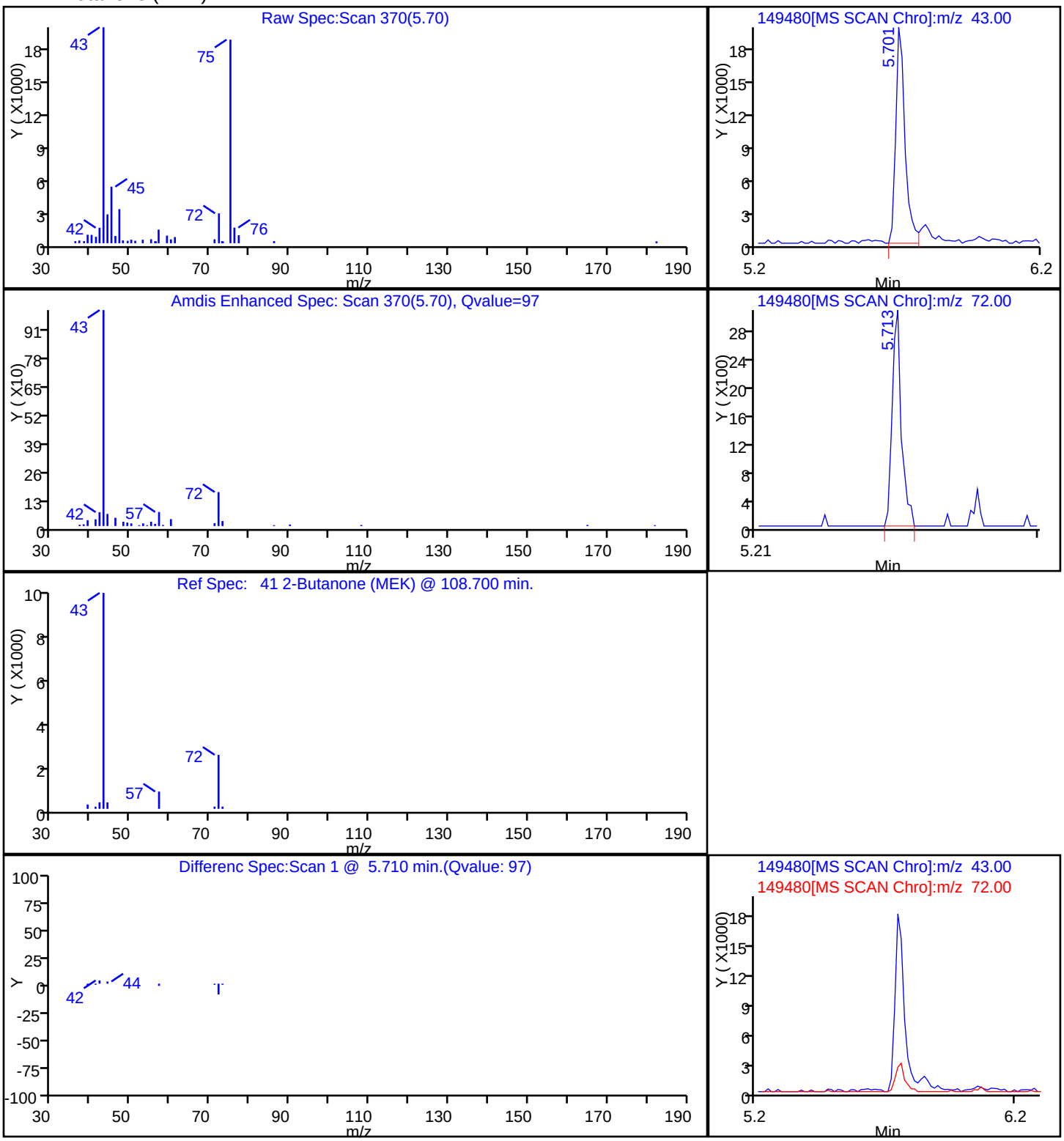
Report Date: 30-Nov-2012 09:51:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149480.D

Injection Date:	27-Nov-2012 15:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0071M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	16
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



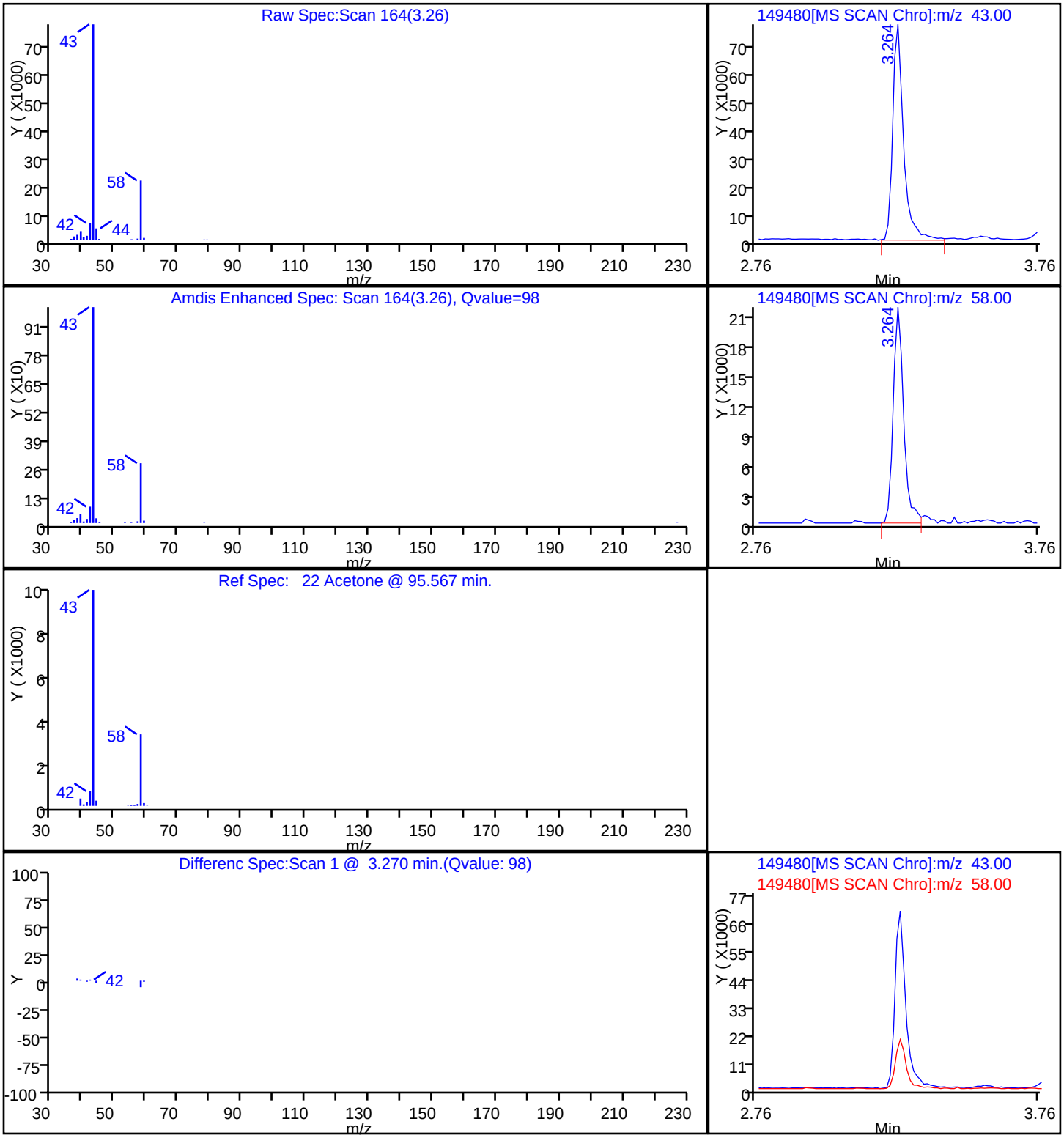
Report Date: 30-Nov-2012 09:51:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149480.D

Injection Date:	27-Nov-2012 15:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0071M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	16
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



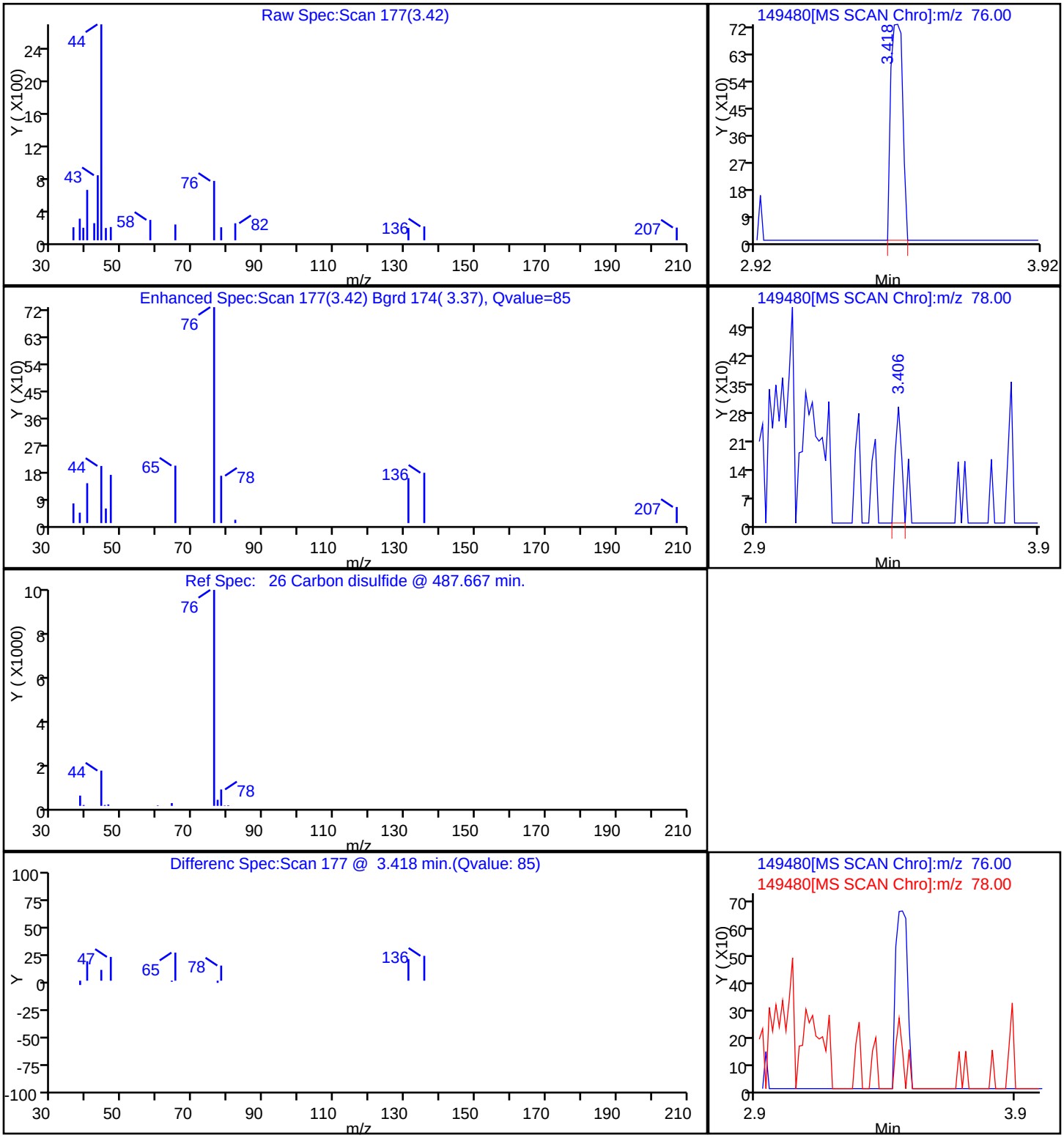
Report Date: 30-Nov-2012 09:51:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149480.D

Injection Date:	27-Nov-2012 15:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0071M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	16
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0072M-0001-SO | Lab Sample ID: 240-17810-5

Matrix: Solid | Lab File ID: 149486.D

Analysis Method: 8260B/DoD | Date Collected: 11/16/2012 09:05

Sample wt/vol: 6.407(g) | Date Analyzed: 11/27/2012 18:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.9 | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.97	U	4.9	0.97	0.55
79-34-5	1,1,2,2-Tetrachloroethane	0.49	U	4.9	0.49	0.33
79-00-5	1,1,2-Trichloroethane	0.49	U	4.9	0.49	0.38
75-34-3	1,1-Dichloroethane	0.49	U	4.9	0.49	0.35
75-35-4	1,1-Dichloroethene	0.97	U	4.9	0.97	0.51
106-93-4	1,2-Dibromoethane	0.97	U	4.9	0.97	0.49
107-06-2	1,2-Dichloroethane	0.49	U	4.9	0.49	0.33
540-59-0	1,2-Dichloroethene, Total	0.97	U	9.7	0.97	0.75
78-87-5	1,2-Dichloropropane	0.97	U	4.9	0.97	0.67
78-93-3	2-Butanone (MEK)	1.9	U	19	1.9	1.4
591-78-6	2-Hexanone	0.97	U	19	0.97	0.61
108-10-1	4-Methyl-2-pentanone (MIBK)	0.97	U	19	0.97	0.53
67-64-1	Acetone	6.1	U	19	6.1	6.1
71-43-2	Benzene	0.49	U	4.9	0.49	0.22
74-97-5	Bromochloromethane	0.97	U	4.9	0.97	0.69
75-27-4	Bromodichloromethane	0.49	U	4.9	0.49	0.27
75-25-2	Bromoform	0.49	U	4.9	0.49	0.32
74-83-9	Bromomethane	0.97	U	4.9	0.97	0.53
75-15-0	Carbon disulfide	0.49	U	4.9	0.49	0.43
56-23-5	Carbon tetrachloride	0.49	U	4.9	0.49	0.36
108-90-7	Chlorobenzene	0.49	U	4.9	0.49	0.32
75-00-3	Chloroethane	0.97	U	4.9	0.97	0.84
67-66-3	Chloroform	0.49	U	4.9	0.49	0.28
74-87-3	Chloromethane	0.49	U	4.9	0.49	0.40
10061-01-5	cis-1,3-Dichloropropene	0.49	U	4.9	0.49	0.33
124-48-1	Dibromochloromethane	0.97	U	4.9	0.97	0.54
100-41-4	Ethylbenzene	0.49	U	4.9	0.49	0.25
1634-04-4	Methyl tert-butyl ether	0.49	U	4.9	0.49	0.42
75-09-2	Methylene Chloride	0.97	U	4.9	0.97	0.65
100-42-5	Styrene	0.49	U	4.9	0.49	0.15
127-18-4	Tetrachloroethene	0.97	U	4.9	0.97	0.51
108-88-3	Toluene	0.49	U	4.9	0.49	0.26
10061-02-6	trans-1,3-Dichloropropene	0.97	U	4.9	0.97	0.53
79-01-6	Trichloroethene	0.49	U	4.9	0.49	0.41
75-01-4	Vinyl chloride	0.49	U	4.9	0.49	0.38
1330-20-7	Xylenes, Total	1.5	U	9.7	1.5	0.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0072M-0001-SO Lab Sample ID: 240-17810-5

Matrix: Solid Lab File ID: 149486.D

Analysis Method: 8260B/DoD Date Collected: 11/16/2012 09:05

Sample wt/vol: 6.407(g) Date Analyzed: 11/27/2012 18:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.9 Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		61-130
460-00-4	4-Bromofluorobenzene (Surr)	85		85-120
1868-53-7	Dibromofluoromethane (Surr)	81		59-138
2037-26-5	Toluene-d8 (Surr)	90		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149486.D
Lims ID: 240-17810-C-5-A Client ID: 076SB-0072M-0001-SO
Inject. Date: 27-Nov-2012 18:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17810-c-5-a
Misc. Info.: 240-0015301-036 =240-0015301-036
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 66419 Lims Sample ID: 36
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK009

First Level Reviewer: macenczaks Date: 28-Nov-2012 10:13:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2214128	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	91	1318125	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.570	-0.011	97	666538	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	63	447555	40.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	91	637069	46.8	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1857986	45.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	565877	42.6	
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					9
16 Chloroethane	64		2.187					
21 1,1-Dichloroethene	96		3.157					
22 Acetone	43	3.264	3.264	0.0	98	30942	3.18	
26 Carbon disulfide	76		3.429					9
30 Methylene Chloride	84		3.891					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.352					
36 1,1-Dichloroethane	63		4.920					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.713	5.701	0.012	25	5911	1.09	
47 Chlorobromomethane	128		5.926					
49 Chloroform	83		6.033					
50 1,1,1-Trichloroethane	97		6.210					
53 Carbon tetrachloride	117		6.388					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130		7.240					
62 1,2-Dichloropropane	63		7.453					
67 Dichlorobromomethane	83		7.713					
70 cis-1,3-Dichloropropene	75		8.115					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.257					9
72 Toluene	91	8.411	8.411	0.0	72	6675	0.1465	
73 trans-1,3-Dichloropropene	75		8.600					
75 1,1,2-Trichloroethane	97		8.766					
77 Tetrachloroethene	164		8.884					9
78 2-Hexanone	43		8.979					9
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107		9.204					
82 Chlorobenzene	112		9.618					9
84 Ethylbenzene	106		9.713					
10 m-Xylene & p-Xylene	106		9.807					
85 o-Xylene	106		10.150					
86 Styrene	104		10.162					9
87 Bromoform	173		10.316					
90 1,1,2,2-Tetrachloroethane	83		10.707					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

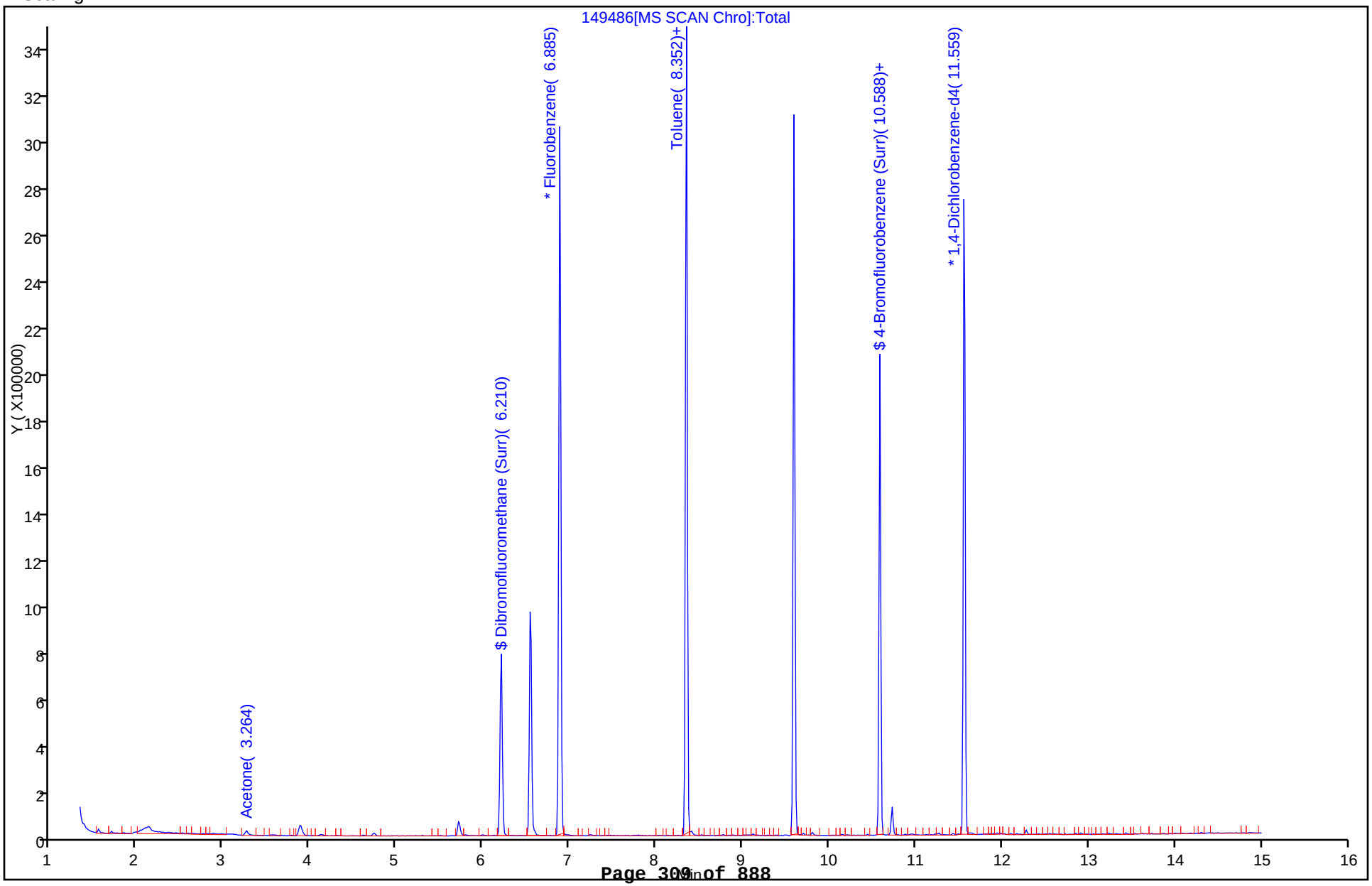
Report Date: 30-Nov-2012 09:51:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149486.D

Injection Date:	27-Nov-2012 18:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0072M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	36
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0073M-0001-SO | Lab Sample ID: 240-17810-6

Matrix: Solid | Lab File ID: 149482.D

Analysis Method: 8260B/DoD | Date Collected: 11/16/2012 09:00

Sample wt/vol: 4.712(g) | Date Analyzed: 11/27/2012 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.1 | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.3	U	6.3	1.3	0.71
79-34-5	1,1,2,2-Tetrachloroethane	0.63	U	6.3	0.63	0.43
79-00-5	1,1,2-Trichloroethane	0.63	U	6.3	0.63	0.49
75-34-3	1,1-Dichloroethane	0.63	U	6.3	0.63	0.46
75-35-4	1,1-Dichloroethene	1.3	U	6.3	1.3	0.66
106-93-4	1,2-Dibromoethane	1.3	U	6.3	1.3	0.63
107-06-2	1,2-Dichloroethane	0.63	U	6.3	0.63	0.43
540-59-0	1,2-Dichloroethene, Total	1.3	U	13	1.3	0.97
78-87-5	1,2-Dichloropropane	1.3	U	6.3	1.3	0.87
78-93-3	2-Butanone (MEK)	12	J	25	2.5	1.8
591-78-6	2-Hexanone	1.3	U	25	1.3	0.80
108-10-1	4-Methyl-2-pentanone (MIBK)	1.3	U	25	1.3	0.68
67-64-1	Acetone	75	B	25	8.0	8.0
71-43-2	Benzene	0.63	U	6.3	0.63	0.29
74-97-5	Bromochloromethane	1.3	U	6.3	1.3	0.90
75-27-4	Bromodichloromethane	0.63	U	6.3	0.63	0.35
75-25-2	Bromoform	0.63	U	6.3	0.63	0.42
74-83-9	Bromomethane	1.3	U	6.3	1.3	0.68
75-15-0	Carbon disulfide	3.9	J	6.3	0.63	0.56
56-23-5	Carbon tetrachloride	0.63	U	6.3	0.63	0.47
108-90-7	Chlorobenzene	0.63	U	6.3	0.63	0.42
75-00-3	Chloroethane	1.3	U	6.3	1.3	1.1
67-66-3	Chloroform	0.63	U	6.3	0.63	0.37
74-87-3	Chloromethane	0.63	U	6.3	0.63	0.52
10061-01-5	cis-1,3-Dichloropropene	0.63	U	6.3	0.63	0.43
124-48-1	Dibromochloromethane	1.3	U	6.3	1.3	0.70
100-41-4	Ethylbenzene	0.63	U	6.3	0.63	0.33
1634-04-4	Methyl tert-butyl ether	0.63	U	6.3	0.63	0.54
75-09-2	Methylene Chloride	1.3	U	6.3	1.3	0.85
100-42-5	Styrene	0.63	U	6.3	0.63	0.19
127-18-4	Tetrachloroethene	1.3	U	6.3	1.3	0.66
108-88-3	Toluene	0.63	U	6.3	0.63	0.34
10061-02-6	trans-1,3-Dichloropropene	1.3	U	6.3	1.3	0.68
79-01-6	Trichloroethene	0.63	U	6.3	0.63	0.53
75-01-4	Vinyl chloride	0.63	U	6.3	0.63	0.49
1330-20-7	Xylenes, Total	1.9	U	13	1.9	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0073M-0001-SO Lab Sample ID: 240-17810-6

Matrix: Solid Lab File ID: 149482.D

Analysis Method: 8260B/DoD Date Collected: 11/16/2012 09:00

Sample wt/vol: 4.712(g) Date Analyzed: 11/27/2012 16:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 16.1 Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-130
460-00-4	4-Bromofluorobenzene (Surr)	98		85-120
1868-53-7	Dibromofluoromethane (Surr)	83		59-138
2037-26-5	Toluene-d8 (Surr)	97		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149482.D
Lims ID: 240-17810-B-6-A Client ID: 076SB-0073M-0001-SO
Inject. Date: 27-Nov-2012 16:38:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17810-b-6-a
Misc. Info.: 240-0015301-018 =240-0015301-018
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 66419 Lims Sample ID: 18
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK009

First Level Reviewer: macenczaks Date: 28-Nov-2012 10:05:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2152435	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	1188131	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	99	492500	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	68	441418	41.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	92	617581	46.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	1797658	48.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	481861	49.2	
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
21 1,1-Dichloroethene	96		3.157					
22 Acetone	43	3.264	3.264	0.0	98	205174	59.7	
26 Carbon disulfide	76	3.418	3.429	-0.011	94	5843	3.11	
30 Methylene Chloride	84		3.891					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.352					
36 1,1-Dichloroethane	63		4.920					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.701	5.701	0.0	98	51916	9.86	
47 Chlorobromomethane	128		5.926					
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
53 Carbon tetrachloride	117		6.388					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130	7.240	7.240	0.0	71	1774	0.1403	
62 1,2-Dichloropropane	63		7.453					
67 Dichlorobromomethane	83		7.713					9
70 cis-1,3-Dichloropropene	75		8.115					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.257					9
72 Toluene	91	8.411	8.411	0.0	79	10419	0.2537	
73 trans-1,3-Dichloropropene	75		8.600					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.884					9
78 2-Hexanone	43		8.979					9
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107		9.204					
82 Chlorobenzene	112		9.618					9
84 Ethylbenzene	106	9.713	9.713	0.0	57	953	0.0688	7
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	92	3355	0.1983	
85 o-Xylene	106	10.151	10.150	0.001	62	2065	0.1262	
86 Styrene	104		10.162					9
87 Bromoform	173		10.316					9
90 1,1,2,2-Tetrachloroethane	83		10.707					9
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.3245	

QC Flag Legend

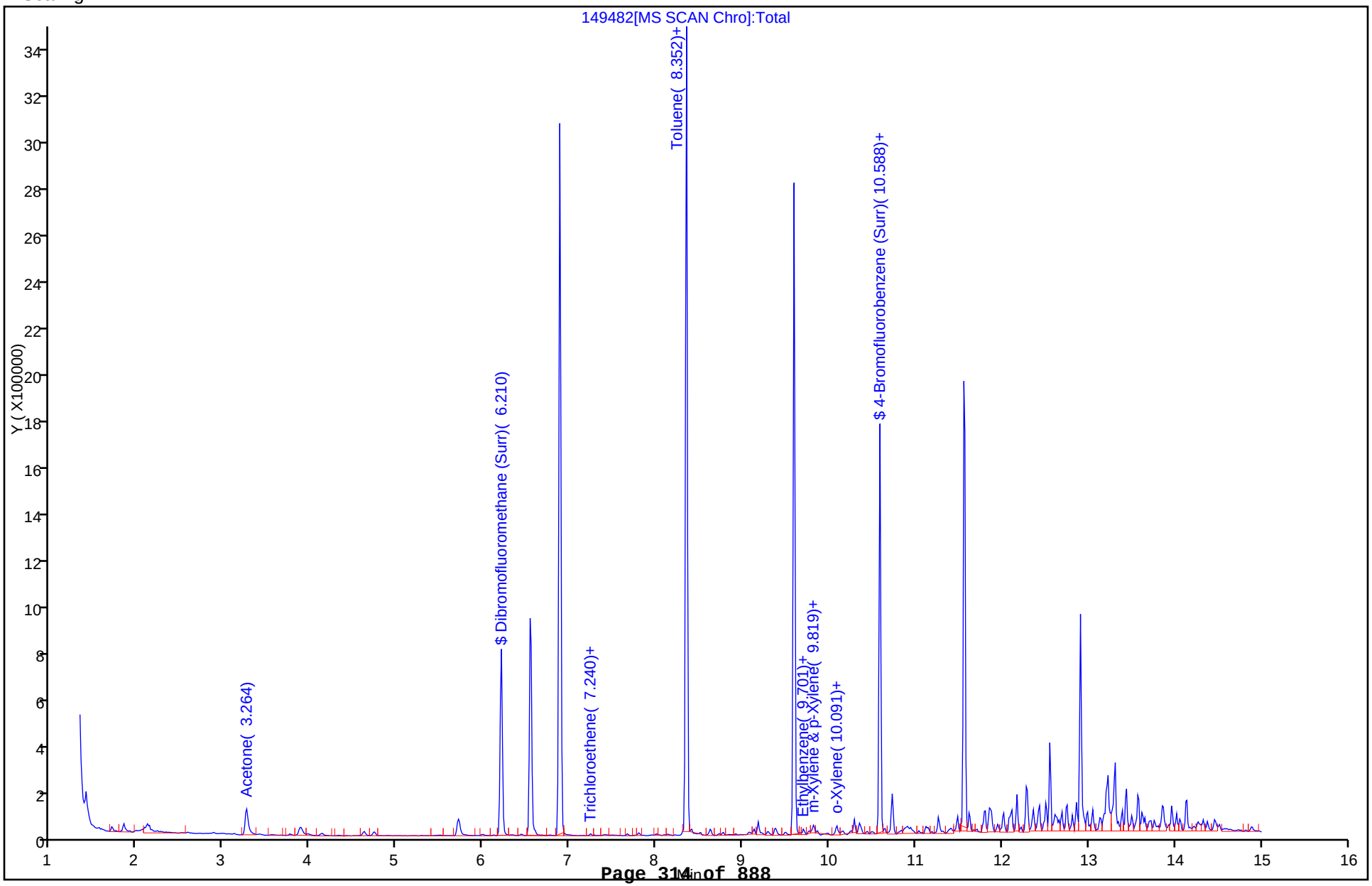
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149482.D		
Injection Date:	27-Nov-2012 16:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0073M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	18
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



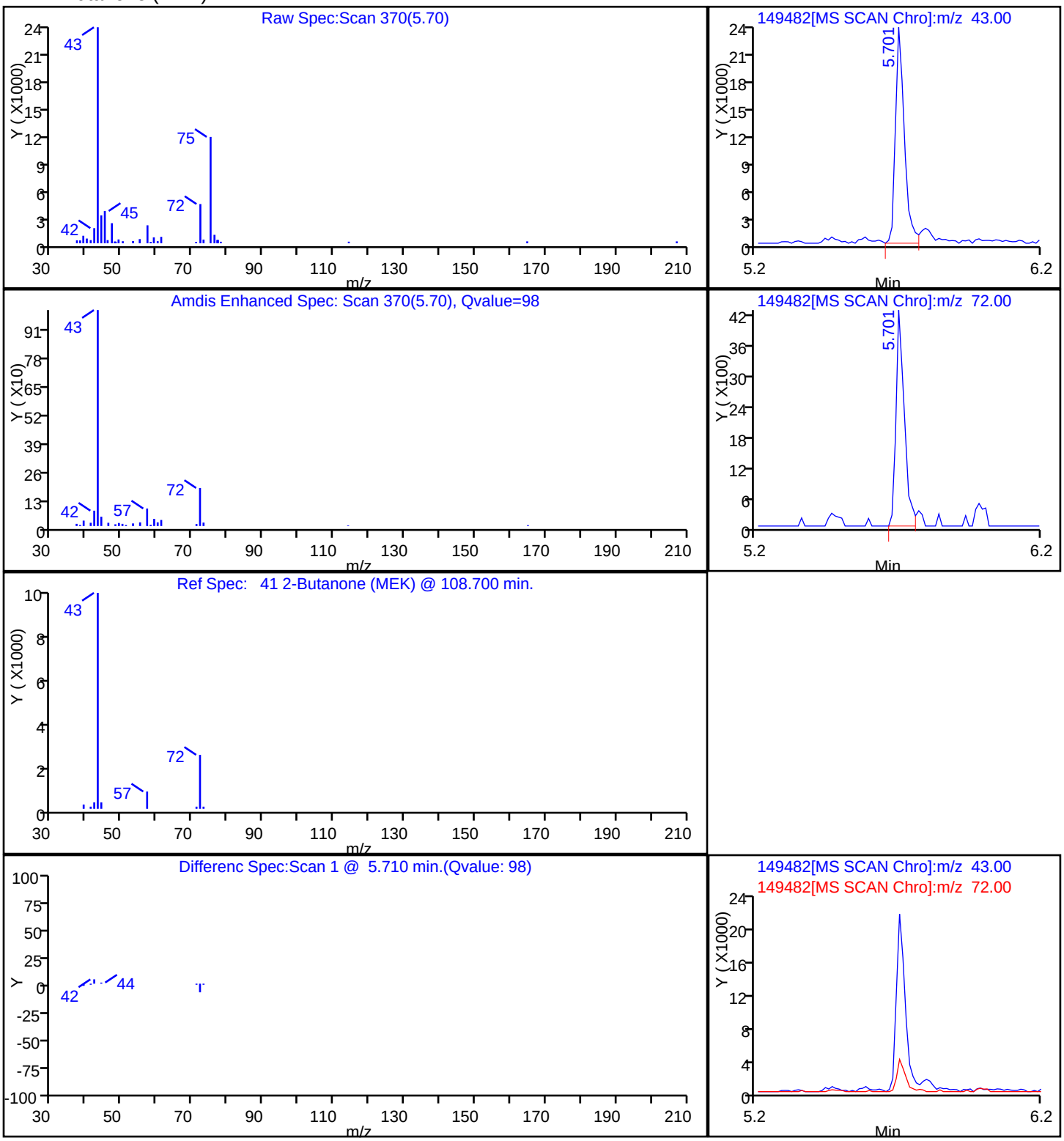
Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149482.D

Injection Date:	27-Nov-2012 16:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0073M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	18
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



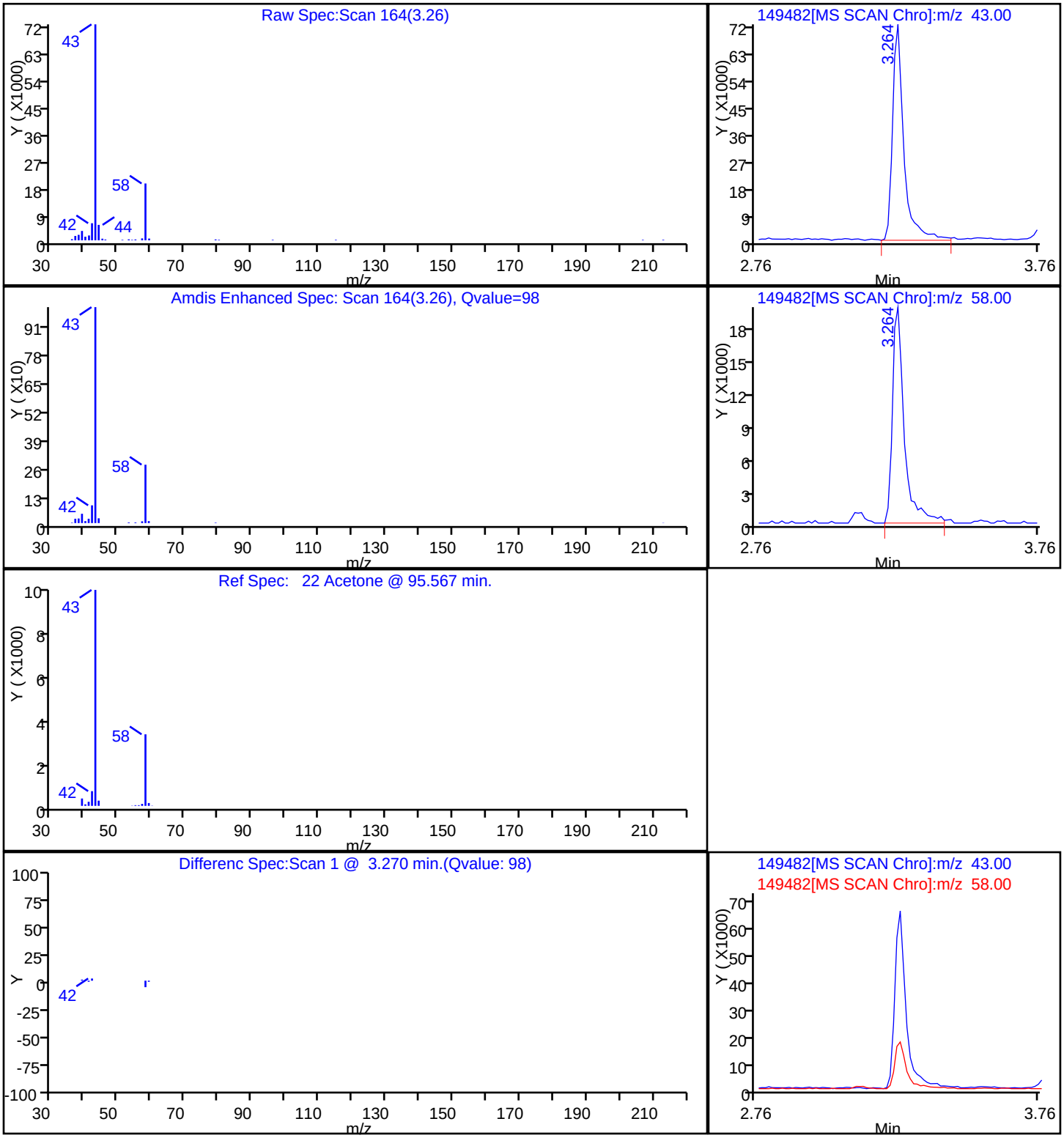
Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149482.D

Injection Date:	27-Nov-2012 16:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0073M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	18
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



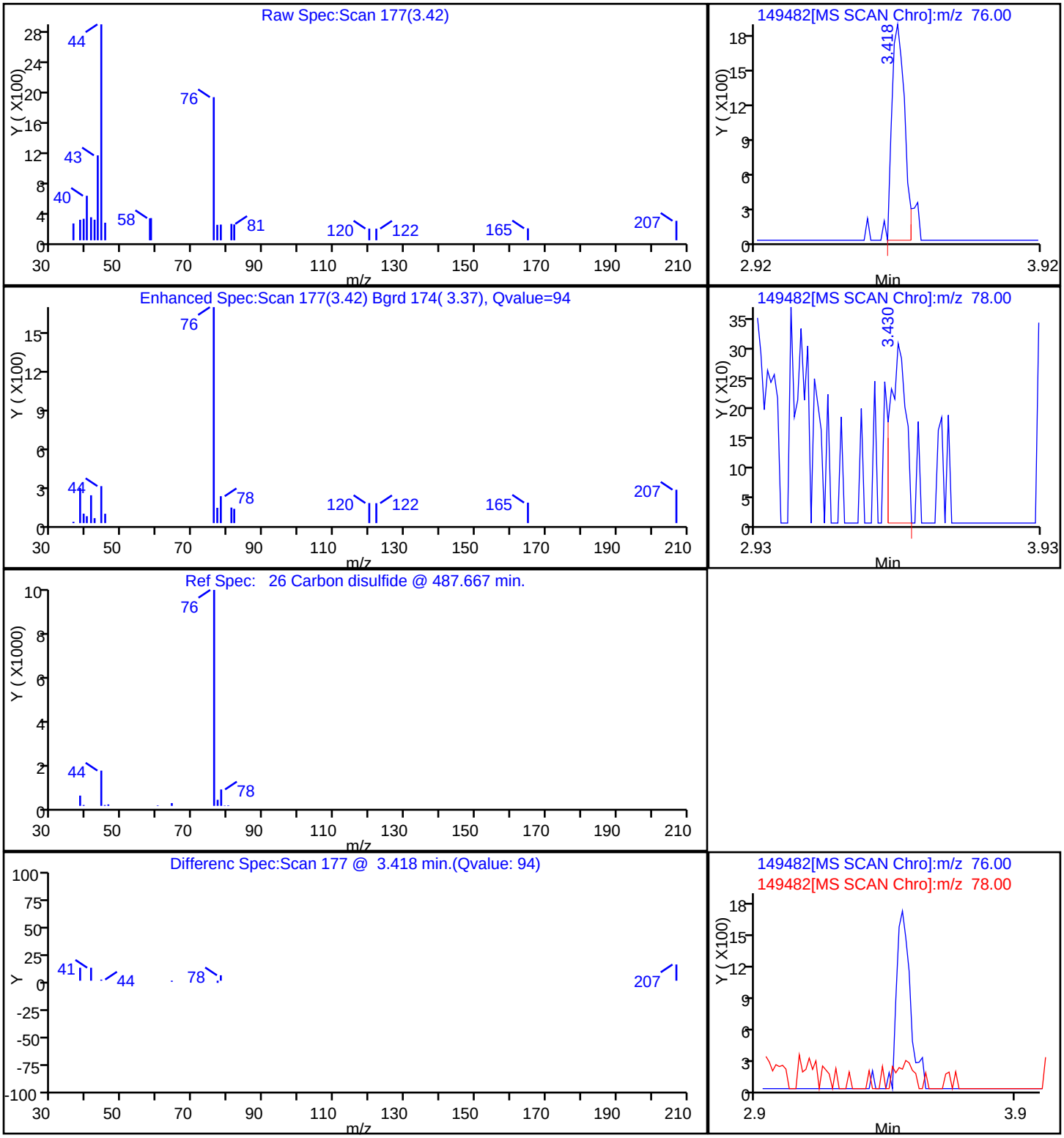
Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149482.D

Injection Date:	27-Nov-2012 16:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0073M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	18
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO | Lab Sample ID: 240-17810-7

Matrix: Solid | Lab File ID: 149483.D

Analysis Method: 8260B/DoD | Date Collected: 11/16/2012 09:35

Sample wt/vol: 5.362(g) | Date Analyzed: 11/27/2012 17:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.8 | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.2	U	6.0	1.2	0.68
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	6.0	0.60	0.41
79-00-5	1,1,2-Trichloroethane	0.60	U	6.0	0.60	0.47
75-34-3	1,1-Dichloroethane	0.60	U	6.0	0.60	0.44
75-35-4	1,1-Dichloroethene	1.2	U	6.0	1.2	0.63
106-93-4	1,2-Dibromoethane	1.2	U	6.0	1.2	0.60
107-06-2	1,2-Dichloroethane	0.60	U	6.0	0.60	0.41
540-59-0	1,2-Dichloroethene, Total	1.2	U	12	1.2	0.93
78-87-5	1,2-Dichloropropane	1.2	U	6.0	1.2	0.83
78-93-3	2-Butanone (MEK)	19	J	24	2.4	1.7
591-78-6	2-Hexanone	1.2	U	24	1.2	0.76
108-10-1	4-Methyl-2-pentanone (MIBK)	1.2	U	24	1.2	0.65
67-64-1	Acetone	100	B	24	7.6	7.6
71-43-2	Benzene	0.31	J	6.0	0.60	0.28
74-97-5	Bromochloromethane	1.2	U	6.0	1.2	0.86
75-27-4	Bromodichloromethane	0.60	U	6.0	0.60	0.34
75-25-2	Bromoform	0.60	U	6.0	0.60	0.40
74-83-9	Bromomethane	1.2	U	6.0	1.2	0.65
75-15-0	Carbon disulfide	3.7	J	6.0	0.60	0.53
56-23-5	Carbon tetrachloride	0.60	U	6.0	0.60	0.45
108-90-7	Chlorobenzene	0.60	U	6.0	0.60	0.40
75-00-3	Chloroethane	1.2	U	6.0	1.2	1.0
67-66-3	Chloroform	0.60	U	6.0	0.60	0.35
74-87-3	Chloromethane	0.60	U	6.0	0.60	0.50
10061-01-5	cis-1,3-Dichloropropene	0.60	U	6.0	0.60	0.41
124-48-1	Dibromochloromethane	1.2	U	6.0	1.2	0.66
100-41-4	Ethylbenzene	0.60	U	6.0	0.60	0.31
1634-04-4	Methyl tert-butyl ether	0.60	U	6.0	0.60	0.52
75-09-2	Methylene Chloride	1.2	U	6.0	1.2	0.81
100-42-5	Styrene	0.60	U	6.0	0.60	0.18
127-18-4	Tetrachloroethene	1.2	U	6.0	1.2	0.63
108-88-3	Toluene	0.33	J	6.0	0.60	0.33
10061-02-6	trans-1,3-Dichloropropene	1.2	U	6.0	1.2	0.65
79-01-6	Trichloroethene	0.60	U	6.0	0.60	0.51
75-01-4	Vinyl chloride	0.60	U	6.0	0.60	0.47
1330-20-7	Xylenes, Total	1.8	U	12	1.8	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO Lab Sample ID: 240-17810-7

Matrix: Solid Lab File ID: 149483.D

Analysis Method: 8260B/DoD Date Collected: 11/16/2012 09:35

Sample wt/vol: 5.362(g) Date Analyzed: 11/27/2012 17:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 22.8 Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		61-130
460-00-4	4-Bromofluorobenzene (Surr)	92		85-120
1868-53-7	Dibromofluoromethane (Surr)	83		59-138
2037-26-5	Toluene-d8 (Surr)	95		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149483.D
Lims ID: 240-17810-B-7-A Client ID: 076SB-0074M-0001-SO
Inject. Date: 27-Nov-2012 17:00:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17810-b-7-a
Misc. Info.: 240-0015301-019 =240-0015301-019
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 66419 Lims Sample ID: 19
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK009

First Level Reviewer: macenczaks Date: 28-Nov-2012 10:06:56

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2168686	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	90	1255565	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	614984	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	72	447723	41.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	91	668790	50.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	94	1858273	47.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	565885	46.2	
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
21 1,1-Dichloroethene	96		3.157					
22 Acetone	43	3.264	3.264	0.0	98	289037	86.0	
26 Carbon disulfide	76	3.418	3.429	-0.011	86	4717	3.07	
30 Methylene Chloride	84		3.891					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.352					
36 1,1-Dichloroethane	63		4.920					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	85238	16.1	
47 Chlorobromomethane	128		5.926					
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
53 Carbon tetrachloride	117		6.388					
55 Benzene	78	6.601	6.601	0.0	45	11356	0.2538	
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130	7.240	7.240	0.0	72	1646	0.1292	
62 1,2-Dichloropropane	63		7.453					9
67 Dichlorobromomethane	83		7.713					9
70 cis-1,3-Dichloropropene	75		8.115					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
71 4-Methyl-2-pentanone (MIBK)	43		8.257					
72 Toluene	91	8.411	8.411	0.0	65	11733	0.2704	
73 trans-1,3-Dichloropropene	75		8.600					9
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.884					9
78 2-Hexanone	43		8.979					9
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107		9.204					
82 Chlorobenzene	112		9.618					9
84 Ethylbenzene	106	9.713	9.713	0.0	31	2562	0.1750	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	90	4469	0.2499	
85 o-Xylene	106		10.150					
86 Styrene	104		10.162					9
87 Bromoform	173		10.316					
90 1,1,2,2-Tetrachloroethane	83		10.707					9
S 11 1,2-Dichloroethene, Total	96		1.140					
S 114 Xylenes, Total	106				0		0.2499	

QC Flag Legend

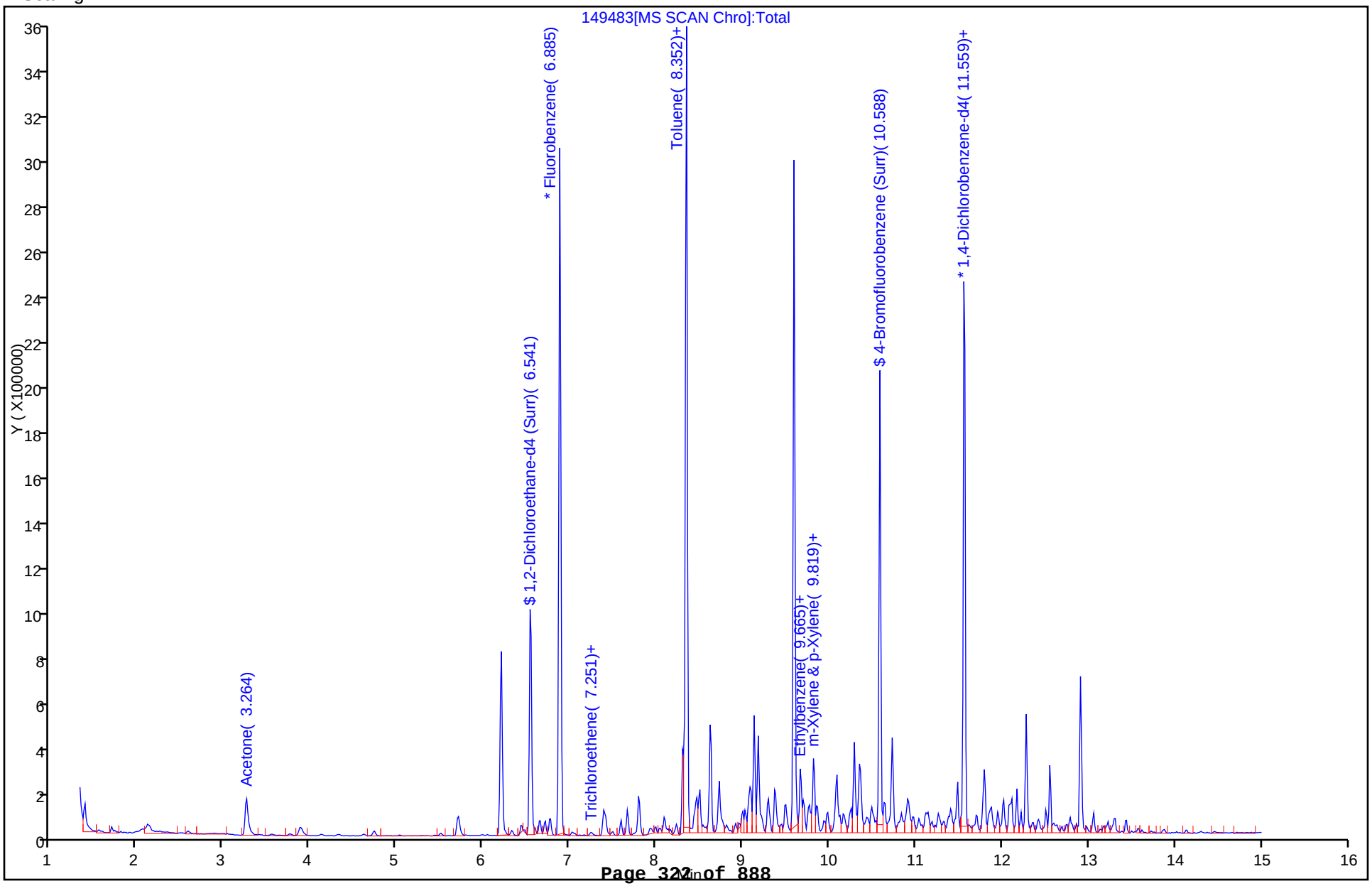
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 30-Nov-2012 09:51:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149483.D		
Injection Date:	27-Nov-2012 17:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0074M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



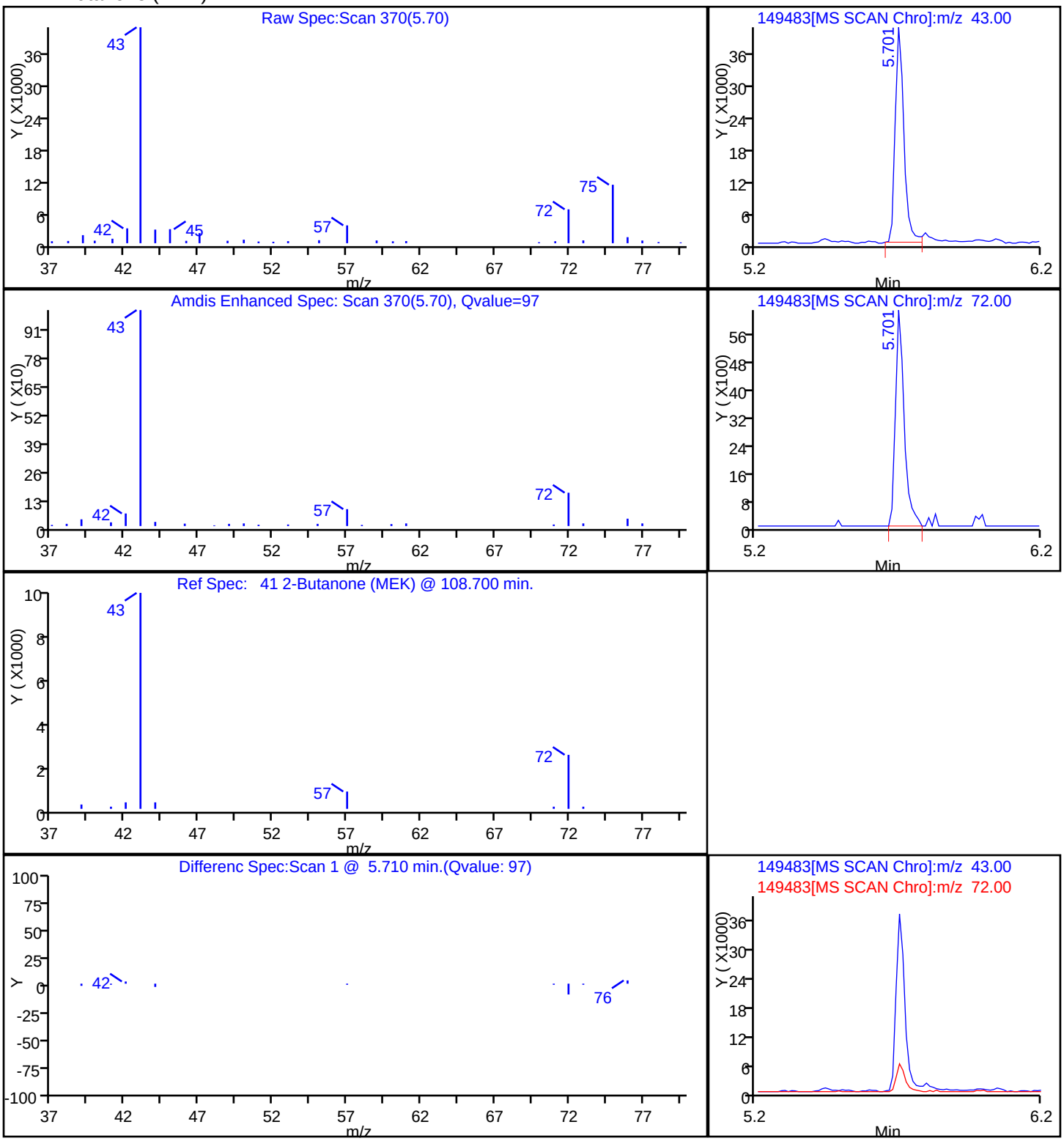
Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149483.D

Injection Date:	27-Nov-2012 17:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0074M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



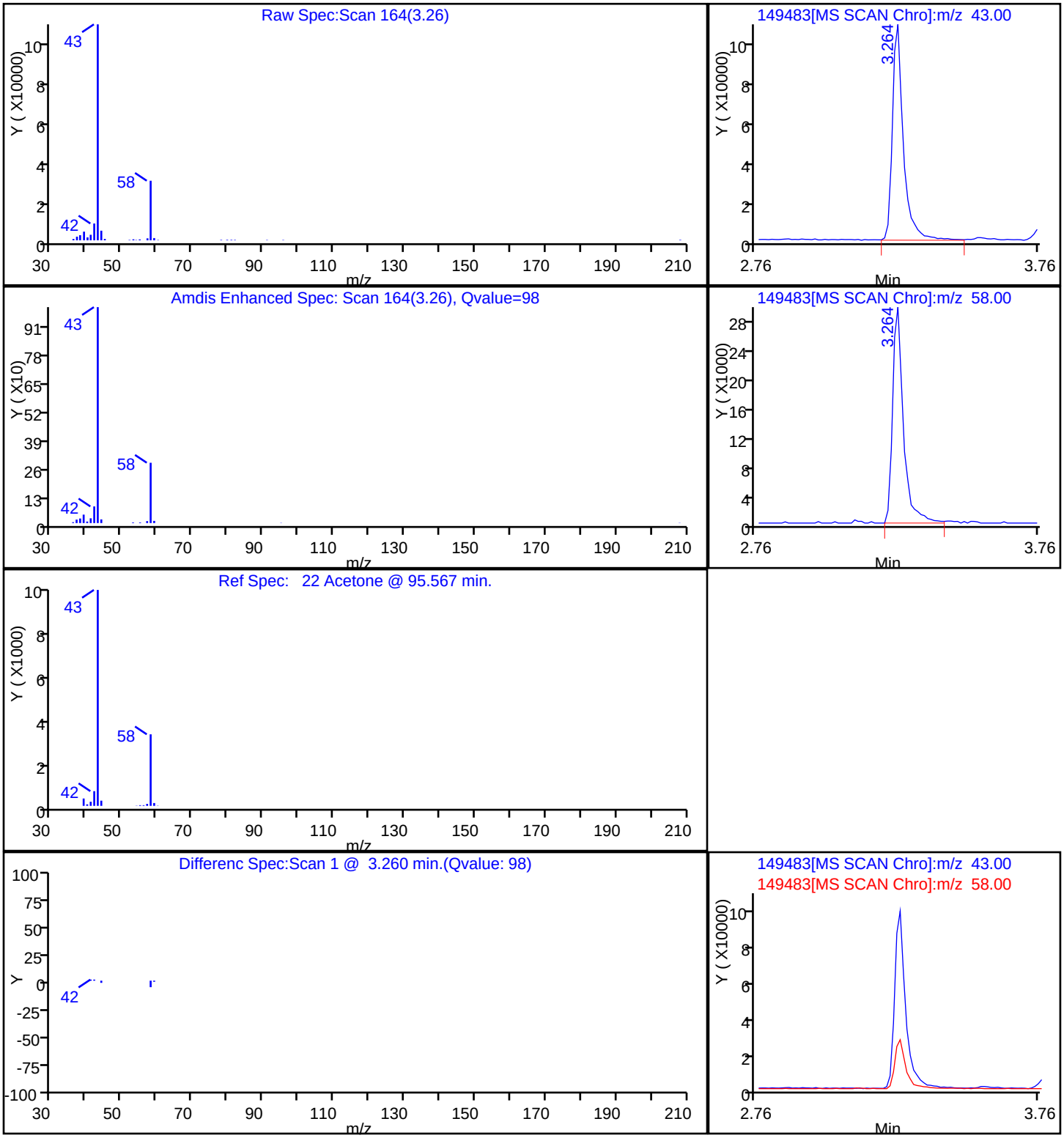
Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149483.D

Injection Date:	27-Nov-2012 17:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0074M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



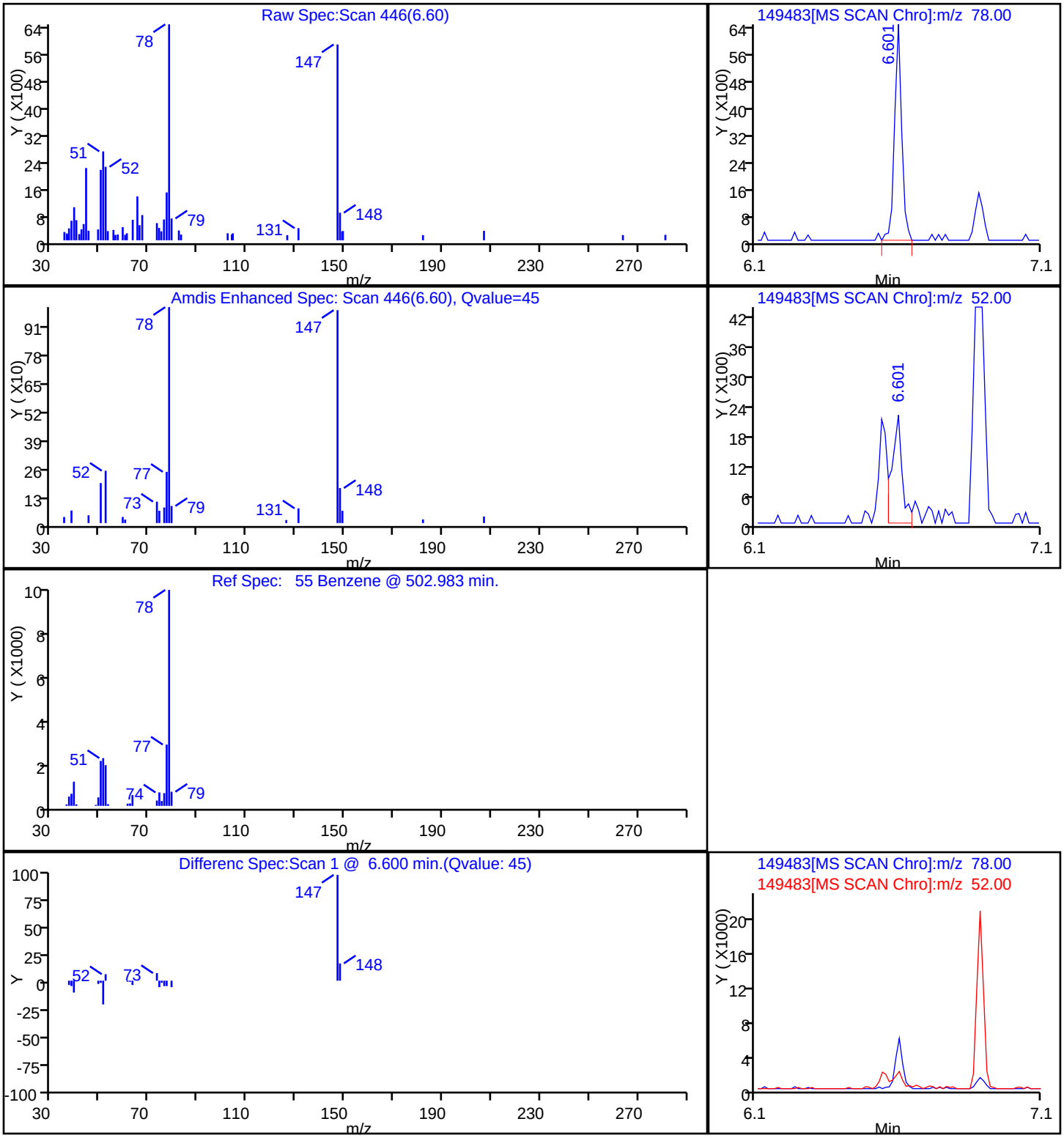
Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149483.D

Injection Date:	27-Nov-2012 17:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0074M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

55 Benzene



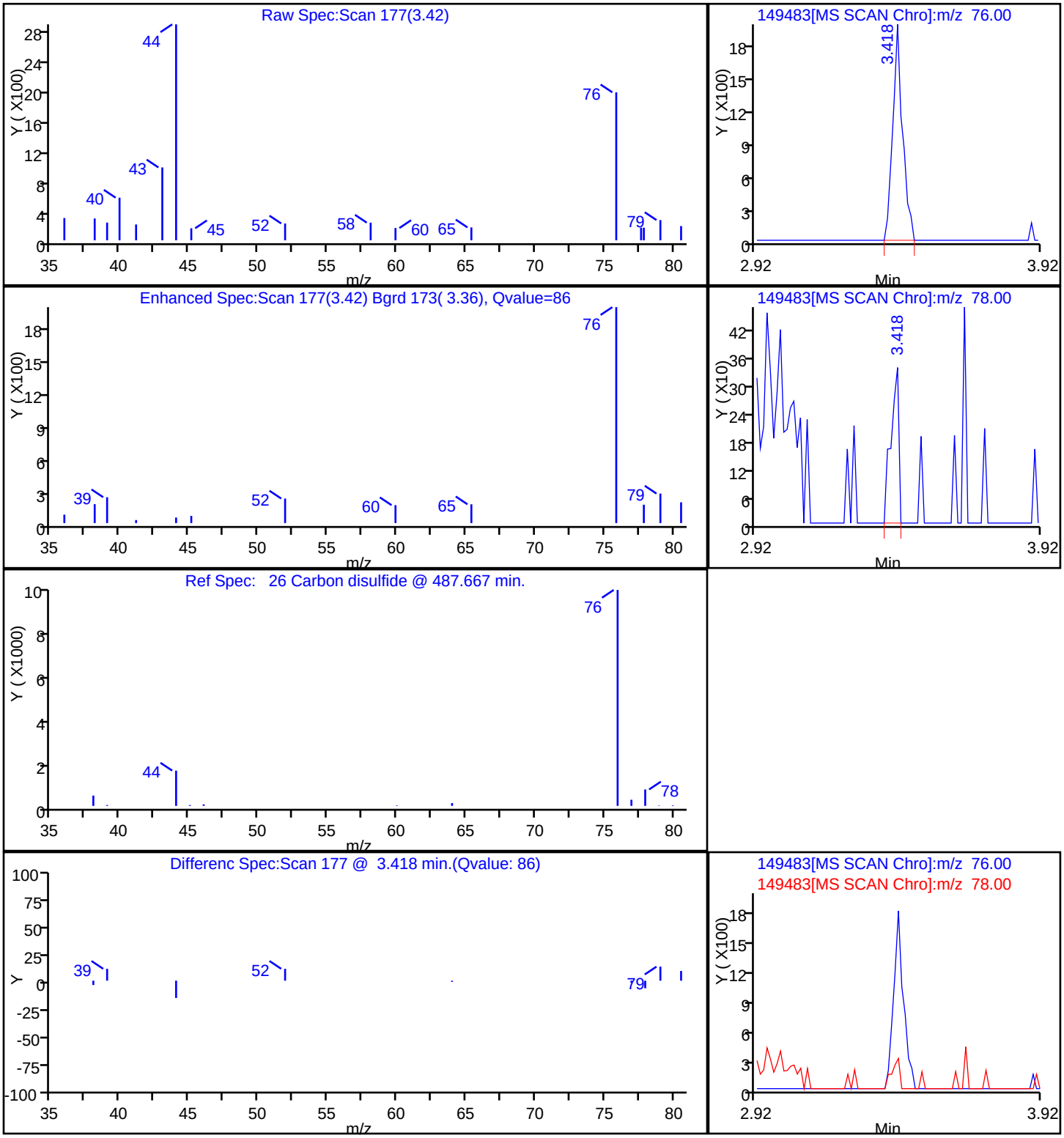
Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149483.D

Injection Date:	27-Nov-2012 17:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0074M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide

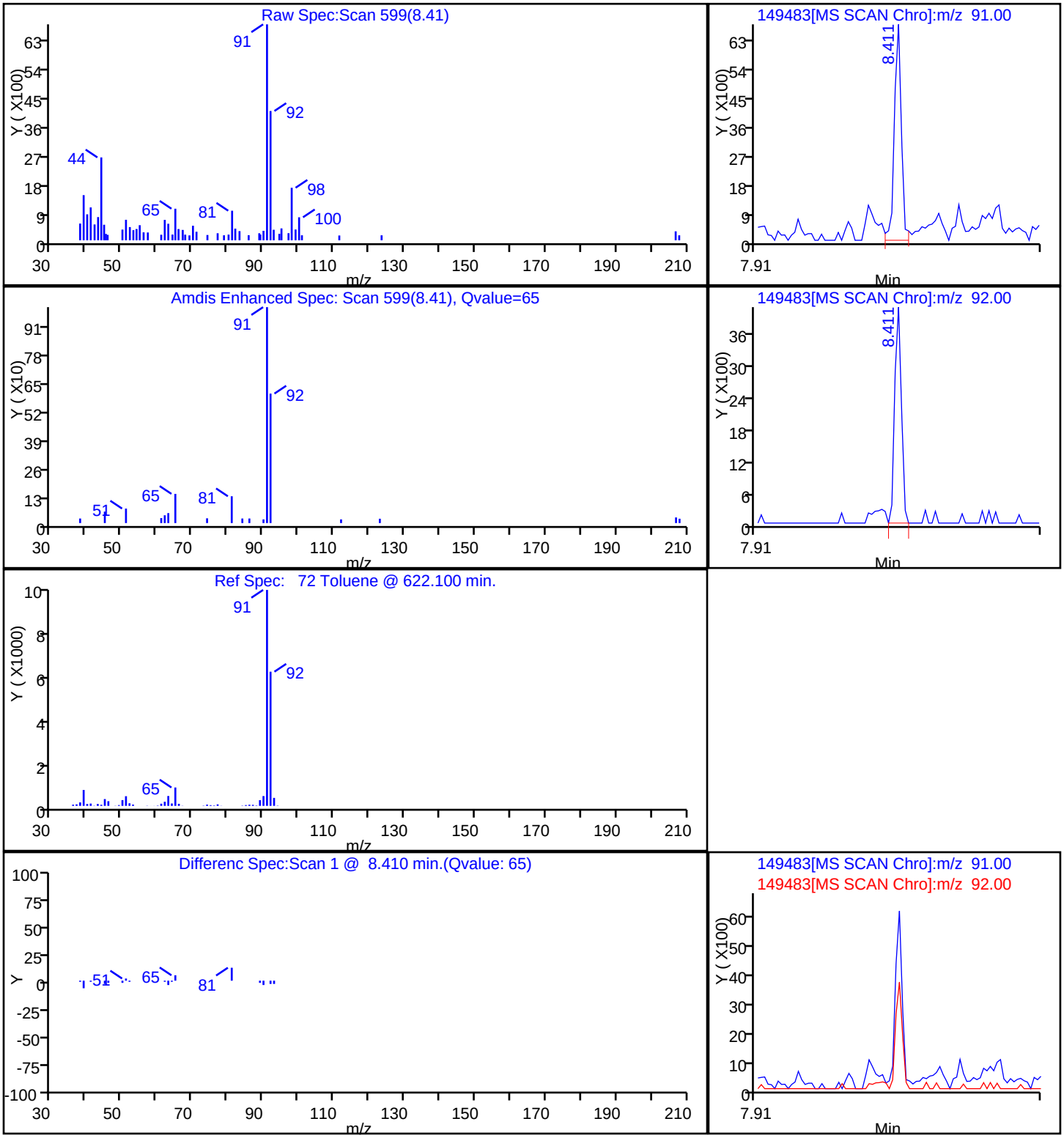


Report Date: 30-Nov-2012 09:51:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149483.D		
Injection Date:	27-Nov-2012 17:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0074M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0075-0001-TB | Lab Sample ID: 240-17810-8

Matrix: Water | Lab File ID: UXX1140.D

Analysis Method: 8260B/DoD | Date Collected: 11/16/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 15:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65929 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	0.36	J B	1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0075-0001-TB Lab Sample ID: 240-17810-8

Matrix: Water Lab File ID: UXX1140.D

Analysis Method: 8260B/DoD Date Collected: 11/16/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 15:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65929 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		70-120
460-00-4	4-Bromofluorobenzene (Surr)	80		75-120
1868-53-7	Dibromofluoromethane (Surr)	110		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1140.D
Lims ID: 240-17810-A-8 Client ID: 076SB-0075-0001-TB
Inject. Date: 21-Nov-2012 15:18:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015165-014
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 65929 Lims Sample ID: 14
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121121-15165.b\8260_10.m
Last Update: 23-Nov-2012 08:56:27 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK024

First Level Reviewer: quayler Date: 23-Nov-2012 08:35:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.206	0.001	99	1750972	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	85	1077331	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	94	483381	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.626	0.001	58	528185	11.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.922	0.001	0	647162	11.5	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	93	1789365	10.6	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	90	446422	7.96	
13 Chloromethane	50		1.704					
14 Vinyl chloride	62		1.798					
16 Bromomethane	94		2.094					9
17 Chloroethane	64		2.177					
23 1,1-Dichloroethene	96		2.804					
24 Acetone	43		2.828					
27 Carbon disulfide	76		3.005					
31 Methylene Chloride	84	3.195	3.195	0.0	88	21759	0.3601	
34 trans-1,2-Dichloroethene	96		3.431					
35 Methyl tert-butyl ether	73		3.431					
37 1,1-Dichloroethane	63		3.775					
42 2-Butanone (MEK)	43		4.236					9
43 cis-1,2-Dichloroethene	96		4.248					
48 Chlorobromomethane	128		4.437					
50 Chloroform	83		4.496					9
51 1,1,1-Trichloroethane	97		4.674					
54 Carbon tetrachloride	117		4.828					
56 1,2-Dichloroethane	62		4.981					
57 Benzene	78		4.981					9
61 Trichloroethene	130		5.526					9
64 1,2-Dichloropropane	63		5.703					
68 Dichlorobromomethane	83		5.928					
71 cis-1,3-Dichloropropene	75		6.319					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
72 4-Methyl-2-pentanone (MIBK)	43		6.437					
73 Toluene	91		6.626					9
74 trans-1,3-Dichloropropene	75		6.804					
76 1,1,2-Trichloroethane	97		6.969					9
78 Tetrachloroethene	164	7.135	7.135	0.0	57	4476	0.1221	
79 2-Hexanone	43		7.182					
81 Chlorodibromomethane	129		7.336					
83 Ethylene Dibromide	107		7.455					
85 Chlorobenzene	112		7.904					
87 Ethylbenzene	106		8.011					
88 m-Xylene & p-Xylene	106		8.117					
89 o-Xylene	106		8.496					
90 Styrene	104		8.508					
91 Bromoform	173		8.685					
95 1,1,2,2-Tetrachloroethane	83		9.111					
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 122 Xylenes, Total	106		16.530					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

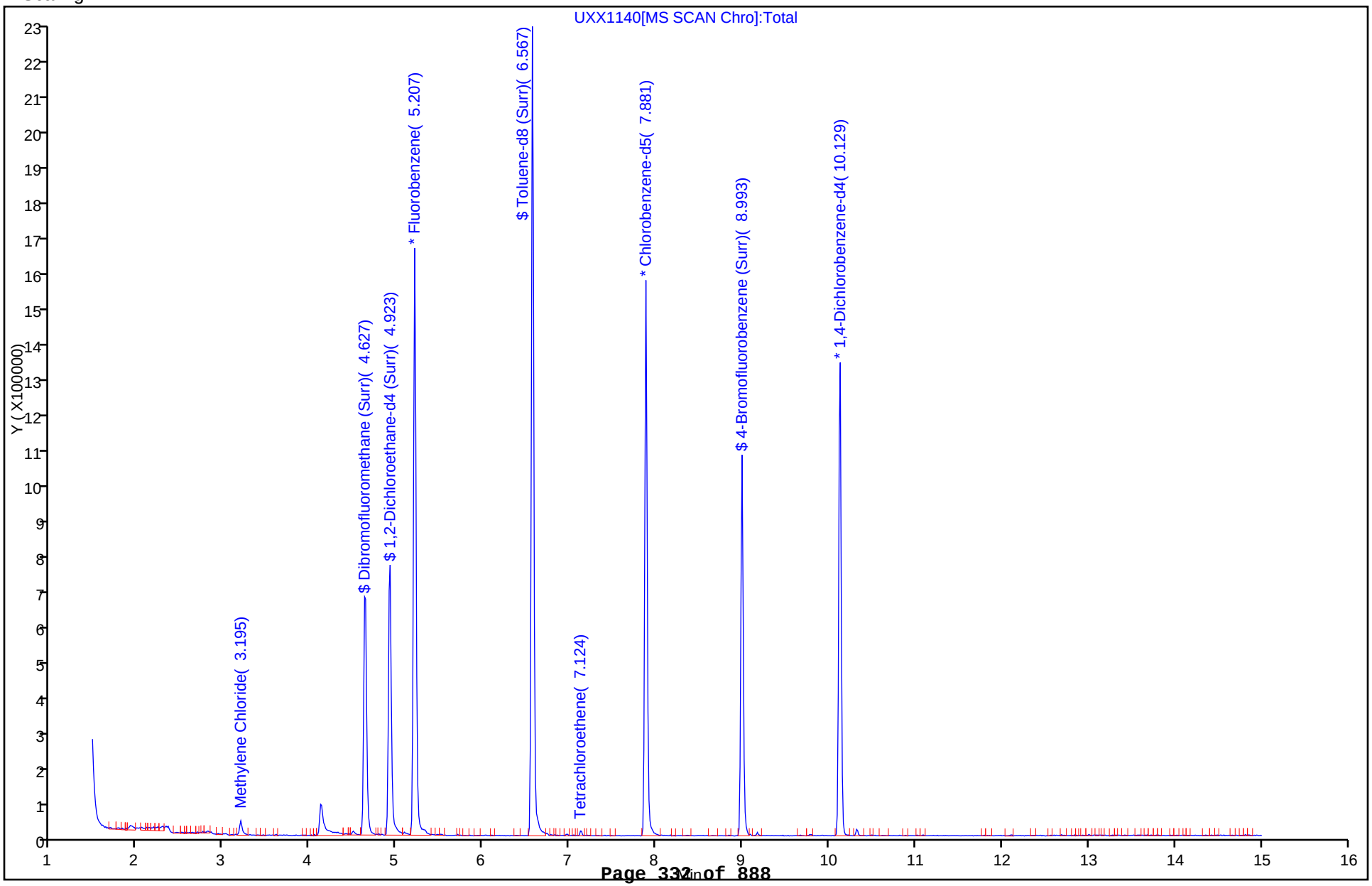
Report Date: 23-Nov-2012 08:56:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1140.D

Injection Date:	21-Nov-2012 15:18:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0075-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



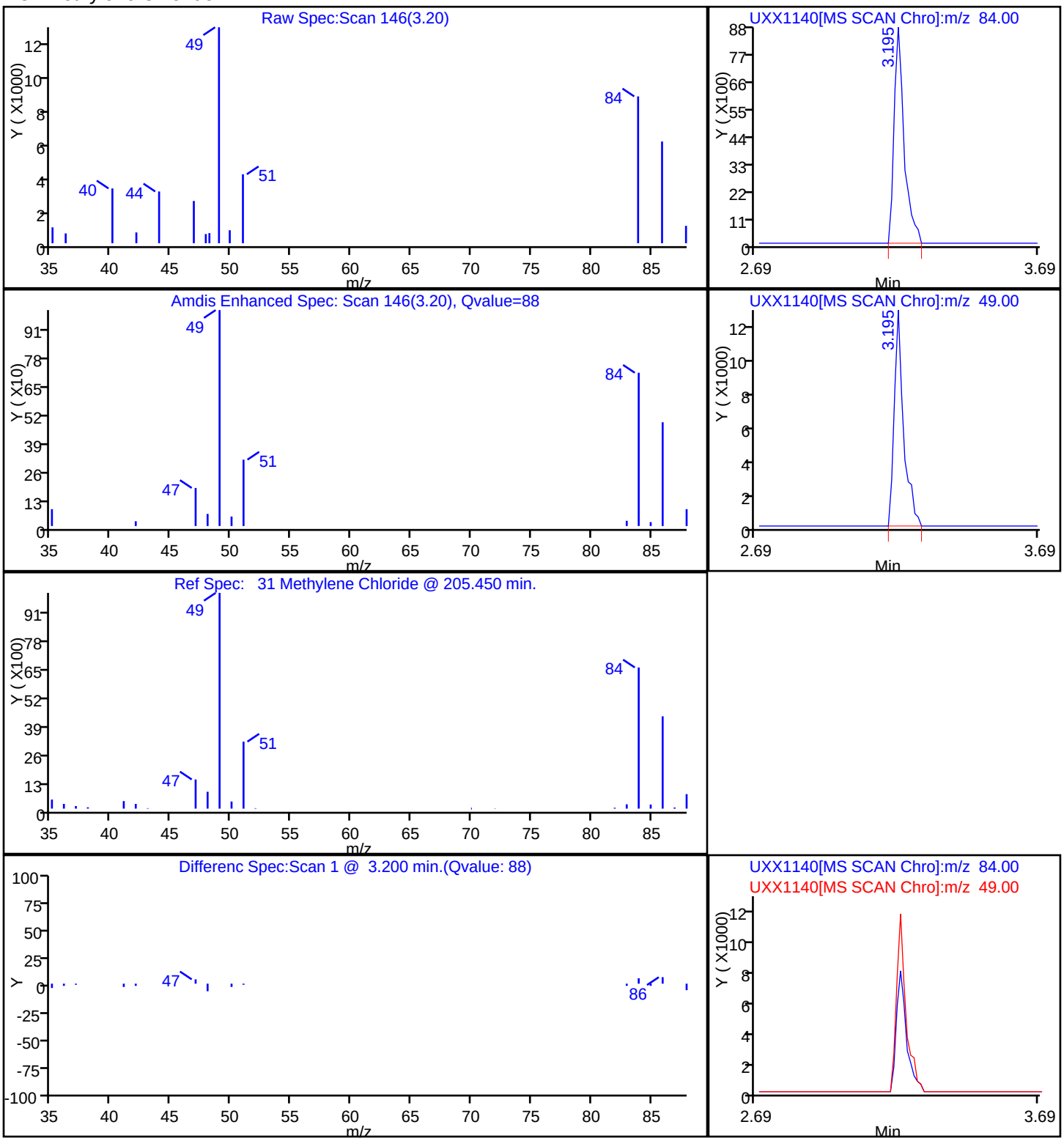
Report Date: 23-Nov-2012 08:56:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1140.D

Injection Date:	21-Nov-2012 15:18:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0075-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

31 Methylene Chloride



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-64678/7	UXX0851.D
Level 2	STD8260 240-64678/6	UXX0850.D
Level 3	STD8260 240-64678/5	UXX0849.D
Level 4	STD8260 240-64678/4	UXX0848.D
Level 5	STD8260 240-64678/3	UXX0847.D
Level 6	STD8260 240-64678/2	UXX0846.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1989 0.2041	0.2025	0.1993	0.2061	0.1849	Ave		0.1993			0.1000	3.8		15.0			
Chloromethane	0.4442 0.3339	0.4489	0.3848	0.3484	0.3457	Ave		0.3843			0.1000	13.0		15.0			
Vinyl chloride	0.3144 0.2884	0.3231	0.3099	0.3010	0.2881	Ave		0.3042			0.1000	4.7		15.0			
Bromomethane	0.1621 0.1324	0.1622	0.1367	0.1309	0.1294	Ave		0.1423			0.0500	11.0		15.0			
Chloroethane	0.1612 0.1409	0.1694	0.1398	0.1352	0.1359	Ave		0.1471				9.9		15.0			
Trichlorofluoromethane	0.2188 0.2421	0.2204	0.2101	0.2221	0.2114	Ave		0.2208			0.1000	5.2		15.0			
Acrolein	0.0374 0.0346	0.0355	0.0342	0.0356	0.0352	Ave		0.0354				3.2		15.0			
1,1-Dichloroethene	0.2563 0.2519	0.2432	0.2412	0.2414	0.2340	Ave		0.2447			0.1000	3.3		15.0			
Acetone	0.1289 0.0702	0.0998	0.0933	0.0815	0.0776	Lin1	0.1304	0.0715			0.0500				0.9960		0.9950
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1806 0.1919	0.1893	0.1835	0.1920	0.1745	Ave		0.1853			0.0500	3.8		15.0			
Iodomethane	0.4406 0.3945	0.4633	0.4182	0.3914	0.3897	Ave		0.4163				7.3		15.0			
Carbon disulfide	0.7843 0.8231	0.7867	0.7688	0.7446	0.7488	Ave		0.7761			0.1000	3.7		15.0			
Acetonitrile	0.0376 0.0238	0.0345	0.0320	0.0298	0.0275	Qua	0.0892	0.0306	0						1.0000		0.9900
Methyl acetate	0.2579 0.2103	0.2481	0.2370	0.2264	0.2231	Ave		0.2338			0.1000	7.5		15.0			
Methylene Chloride	0.4165 0.3189	0.3801	0.3325	0.3090	0.3137	Ave		0.3451			0.1000	13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	0.0231 0.0151	0.0220	0.0209	0.0203	0.0198	Ave		0.0202				14.0		15.0			
Acrylonitrile	0.1223 0.1112	0.1158	0.1213	0.1164	0.1163	Ave		0.1172				3.5		15.0			
Methyl tert-butyl ether	0.8827 0.8678	0.8781	0.8738	0.8392	0.8830	Ave		0.8708			0.1000	1.9		15.0			
trans-1,2-Dichloroethene	0.3020 0.3064	0.3058	0.3007	0.2902	0.2935	Ave		0.2998			0.1000	2.2		15.0			
Hexane	0.0438 0.0532	0.0514	0.0432	0.0507	0.0446	Ave		0.0478				9.3		15.0			
1,1-Dichloroethane	0.5407 0.5150	0.5261	0.5080	0.4741	0.5029	Ave		0.5111			0.1000	4.4		15.0			
Vinyl acetate	0.0478 0.0588	0.0484	0.0506	0.0555	0.0571	Ave		0.0530				8.9		15.0			
2-Butanone (MEK)	0.1466 0.1153	0.1377	0.1344	0.1292	0.1249	Ave		0.1314			0.0500	8.2		15.0			
cis-1,2-Dichloroethene	0.3434 0.3406	0.3378	0.3321	0.3149	0.3313	Ave		0.3334			0.1000	3.1		15.0			
2,2-Dichloropropane	0.2985 0.3018	0.2994	0.2904	0.2816	0.2841	Ave		0.2926				2.9		15.0			
Bromochloromethane	0.1745 0.1603	0.1650	0.1579	0.1524	0.1600	Ave		0.1617				4.6		15.0			
Tetrahydrofuran	0.1623 0.0770	0.1268	0.1019	0.0945	0.0906	Qua	0.0510	0.0977	-0.001						1.0000		0.9900
Chloroform	0.5382 0.5104	0.5344	0.5141	0.4847	0.5051	Ave		0.5145				3.8		15.0			
1,1,1-Trichloroethane	0.3435 0.3635	0.3603	0.3531	0.3495	0.3459	Ave		0.3526			0.1000	2.3		15.0			
Cyclohexane	0.3924 0.4297	0.3928	0.3828	0.4176	0.3822	Ave		0.3996			0.1000	4.9		15.0			
1,1-Dichloropropene	0.3666 0.3817	0.3585	0.3484	0.3567	0.3593	Ave		0.3619				3.1		15.0			
Carbon tetrachloride	0.2800 0.2944	0.2895	0.2827	0.2798	0.2804	Ave		0.2845			0.1000	2.1		15.0			
1,2-Dichloroethane	0.3753 0.3636	0.3888	0.3748	0.3532	0.3679	Ave		0.3706			0.1000	3.3		15.0			
Benzene	1.3377 1.2769	1.2734	1.2459	1.1756	1.2375	Ave		1.2578			0.5000	4.3		15.0			
Trichloroethene	0.3319 0.3129	0.3175	0.3008	0.2936	0.3049	Ave		0.3103			0.2000	4.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2943 0.2967	0.2997	0.2914	0.2787	0.2906	Ave		0.2919			0.1000	2.5		15.0			
Methylcyclohexane	0.3048 0.3820	0.3122	0.3088	0.3523	0.3165	Ave		0.3294			0.1000	9.4		15.0			
Dibromomethane	0.1719 0.1654	0.1776	0.1687	0.1613	0.1693	Ave		0.1691				3.3		15.0			
1,4-Dioxane	0.0032 0.0019	0.0035	0.0031	0.0032	0.0028	Qua	-0.045	0.0037	0						0.9990		0.9900
Bromodichloromethane	0.3305 0.3666	0.3535	0.3408	0.3314	0.3579	Ave		0.3468			0.1000	4.3		15.0			
2-Chloroethyl vinyl ether	0.1453 0.1796	0.1517	0.1668	0.1668	0.1838	Ave		0.1657				9.1		15.0			
cis-1,3-Dichloropropene	0.3841 0.4756	0.4149	0.4156	0.4175	0.4608	Ave		0.4281			0.1500	7.9		15.0			
4-Methyl-2-pentanone (MIBK)	0.2502 0.2431	0.2520	0.2578	0.2546	0.2644	Ave		0.2537			0.0500	2.8		15.0			
Toluene	1.8664 1.9630	1.9065	1.8992	1.8001	1.8781	Ave		1.8855			0.4000	2.8		15.0			
trans-1,3-Dichloropropene	0.4843 0.5851	0.5120	0.5214	0.5271	0.5752	Ave		0.5342			0.1000	7.2		15.0			
Ethyl methacrylate	0.4175 0.5248	0.4537	0.4976	0.5155	0.5358	Ave		0.4908				9.4		15.0			
1,1,2-Trichloroethane	0.3965 0.3639	0.3986	0.3947	0.3693	0.3697	Ave		0.3821			0.1000	4.2		15.0			
1,3-Dichloropropane	0.6981 0.6579	0.7006	0.6719	0.6455	0.6646	Ave		0.6731				3.3		15.0			
Tetrachloroethene	0.3597 0.3421	0.3494	0.3394	0.3274	0.3239	Ave		0.3403			0.2000	3.9		15.0			
2-Hexanone	0.2126 0.2211	0.2276	0.2441	0.2370	0.2427	Ave		0.2308			0.0500	5.5		15.0			
Dibromochloromethane	0.3322 0.4007	0.3628	0.3736	0.3663	0.3888	Ave		0.3707				6.4		15.0			
1,2-Dibromoethane	0.3784 0.3620	0.3712	0.3747	0.3568	0.3796	Ave		0.3704				2.5		15.0			
Chlorobenzene	1.2245 1.2162	1.1857	1.2088	1.1348	1.1884	Ave		1.1931			0.3000	2.7		15.0			
1,1,1,2-Tetrachloroethane	0.4228 0.4179	0.4074	0.4195	0.3970	0.4190	Ave		0.4139				2.4		15.0			
Ethylbenzene	0.5412 0.6396	0.5736	0.6094	0.5997	0.6150	Ave		0.5964				5.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	0.6972 0.8248	0.7263	0.7597	0.7488	0.7812	Ave		0.7563				5.8		15.0			
o-Xylene	0.6828 0.7903	0.7132	0.7597	0.7334	0.7722	Ave		0.7419				5.4		15.0			
Styrene	1.0085 1.3633	1.0896	1.1898	1.1917	1.3011	Ave		1.1907			0.3000	11.0		15.0			
Bromoform	0.2037 0.2410	0.2123	0.2232	0.2246	0.2417	Ave		0.2244			0.1000	6.8		15.0			
Isopropylbenzene	1.5016 1.8634	1.5874	1.6652	1.6598	1.7248	Ave		1.6670			0.1000	7.4		15.0			
1,1,2,2-Tetrachloroethane	0.9993 0.8703	0.9692	0.9229	0.9160	0.9142	Ave		0.9320			0.3000	4.9		15.0			
Bromobenzene	0.9066 0.9891	0.9305	0.9192	0.9074	0.9325	Ave		0.9309				3.3		15.0			
1,2,3-Trichloropropane	0.3141 0.2807	0.3294	0.2942	0.2917	0.2971	Ave		0.3012				5.8		15.0			
trans-1,4-Dichloro-2-butene	0.1535 0.2176	0.1449	0.1624	0.1859	0.1964	Lin1	-0.107	0.2101							0.9950		0.9950
N-Propylbenzene	0.7428 0.9160	0.8241	0.8091	0.8068	0.8366	Ave		0.8226				6.8		15.0			
2-Chlorotoluene	0.7886 0.8627	0.8575	0.8175	0.7989	0.8347	Ave		0.8267				3.7		15.0			
1,3,5-Trimethylbenzene	2.3054 2.8184	2.4085	2.5167	2.5446	2.6165	Ave		2.5350				7.0		15.0			
4-Chlorotoluene	0.8271 0.9287	0.9160	0.8864	0.8522	0.8747	Ave		0.8808				4.3		15.0			
tert-Butylbenzene	1.8150 2.4805	2.0046	2.0255	2.0722	2.0913	Ave		2.0815				11.0		15.0			
1,2,4-Trimethylbenzene	2.3225 2.8553	2.5618	2.6034	2.6596	2.7260	Ave		2.6214				6.8		15.0			
sec-Butylbenzene	2.4876 2.9246	2.5564	2.5936	2.6735	2.6770	Ave		2.6521				5.7		15.0			
1,3-Dichlorobenzene	1.7689 1.6631	1.7710	1.6117	1.5728	1.6251	Ave		1.6688			0.6000	5.0		15.0			
4-Isopropyltoluene	1.9274 2.4835	2.1614	2.2101	2.2659	2.3252	Ave		2.2289				8.3		15.0			
1,4-Dichlorobenzene	1.9138 1.7559	1.9110	1.7950	1.6808	1.7314	Ave		1.7980			0.5000	5.3		15.0			
n-Butylbenzene	1.5952 1.9531	1.7170	1.7201	1.8049	1.7969	Ave		1.7645				6.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.7369 1.5919	1.7869	1.6727	1.5983	1.6348	Ave		1.6702			0.4000	4.7		15.0			
1,2-Dibromo-3-Chloropropane	0.1560 0.1265	0.1750	0.1482	0.1702	0.1674	Ave		0.1572			0.0500	11.0		15.0			
1,3,5-Trichlorobenzene	1.0120 0.7612	1.0543	0.9110	0.9328	0.9131	Ave		0.9307				11.0		15.0			
1,2,4-Trichlorobenzene	0.8797 0.6225	0.9696	0.8584	0.9081	0.8514	Ave		0.8483			0.2000	14.0		15.0			
Hexachlorobutadiene	0.4057 0.1875	0.4181	0.3466	0.3516	0.2693	Qua	0.1206	0.3580	-0.004						0.9980		0.9900
Naphthalene	2.3166 +++++	2.7051	2.4216	2.8654	2.6168	Ave		2.5851				8.5		15.0			
1,2,3-Trichlorobenzene	0.9662 +++++	1.0400	0.8872	0.9193	0.7679	Ave		0.9161				11.0		15.0			
Dibromofluoromethane (Surr)	0.2741 0.2764	0.2745	0.2863	0.2620	0.2701	Ave		0.2739				2.9		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3189 0.3200	0.3315	0.3353	0.3006	0.3252	Ave		0.3219				3.8		15.0			
Toluene-d8 (Surr)	1.5102 1.6599	1.5163	1.6282	1.5503	1.5788	Ave		1.5740				3.8		15.0			
4-Bromofluorobenzene (Surr)	0.5032 0.5358	0.5103	0.5387	0.5055	0.5296	Ave		0.5205				3.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-64678/7	UXX0851.D
Level 2	STD8260 240-64678/6	UXX0850.D
Level 3	STD8260 240-64678/5	UXX0849.D
Level 4	STD8260 240-64678/4	UXX0848.D
Level 5	STD8260 240-64678/3	UXX0847.D
Level 6	STD8260 240-64678/2	UXX0846.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	34671 1517107	70486	177301	373185	669856	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	77442 2482208	156281	342304	630854	1252314	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	54815 2144335	112499	275699	545008	1043756	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	28264 983996	56470	121597	236981	468904	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	28099 1047754	58980	124356	244780	492362	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	38147 1799625	76738	186904	402134	765812	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	65268 2570338	123569	304469	644261	1273557	10.0 400	20.0	50.0	100	200
1,1-Dichloroethene	FB	Ave	44690 1872976	84658	214549	437052	847885	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Lin1	44960 1043547	69478	166058	295160	562559	2.00 80.0	4.00	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	31497 1426944	65909	163255	347682	632122	1.00 40.0	2.00	5.00	10.0	20.0
Iodomethane	FB	Ave	76830 2933107	161277	372028	708810	1411863	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	136745 6119513	273875	683913	1348377	2713083	1.00 40.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Qua	65625 1767771	120215	284821	538745	994750	10.0 400	20.0	50.0	100	200
Methyl acetate	FB	Ave	89933 3126431	172767	421663	819857	1616797	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Ave	72627 2370613	132313	295754	559579	1136559	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	80525 2241645	153465	372177	736635	1437321	20.0 800	40.0	100	200	400

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	42638 1653968	80637	215874	421506	842773	2.00 80.0	4.00	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	153912 6451424	305714	777265	1519712	3199056	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	52663 2277605	106452	267462	525590	1063185	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	7645 395795	17904	38466	91773	161419	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	94279 3828847	183164	451913	858573	1821871	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	8334 437314	16843	44995	100425	206976	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	51121 1714375	95911	239039	468043	904760	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	59877 2532393	117608	295440	570139	1200218	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	52041 2243724	104223	258332	509922	1029269	1.00 40.0	2.00	5.00	10.0	20.0
Bromochloromethane	FB	Ave	30419 1191655	57430	140473	275976	579619	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Qua	28303 572725	44131	90634	171197	328102	1.00 40.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	93846 3794429	186053	457349	877735	1830142	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	59884 2702490	125449	314125	632967	1253228	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	68421 3194526	136757	340535	756268	1384706	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	63924 2837459	124802	309947	645899	1301656	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	48821 2188730	100798	251500	506633	1015979	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	65431 2702867	135372	333387	639567	1332741	1.00 40.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	233228 9493368	443302	1108291	2128801	4483517	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	57861 2326533	110526	267568	531723	1104556	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	51313 2205915	104320	259174	504756	1052699	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	53144 2839694	108692	274651	637965	1146512	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibromomethane	FB	Ave	29978 1229677	61839	150074	292142	613551	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Qua	27535 720574	60682	137374	288501	512220	50.0 2000	100	250	500	1000
Bromodichloromethane	FB	Ave	57623 2725858	123061	303148	600098	1296764	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	50671 2670875	105614	296796	604141	1331531	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	66977 3536095	144437	369728	755964	1669482	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	87243 3614614	175491	458647	922094	1915881	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	217546 10274925	451655	1132310	2241611	4790661	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	56453 3062643	121296	310855	656429	1467254	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Ave	48665 2746746	107493	296669	641991	1366660	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	46213 1904687	94427	235302	459854	943086	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	81372 3443790	165969	400610	803827	1695247	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	41923 1790634	82786	202364	407744	826165	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	49559 2314236	107859	291062	590164	1237996	2.00 80.0	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	38720 2097297	85958	222734	456198	991725	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	44106 1895026	87936	223365	444348	968223	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	142728 6365963	280902	720708	1413092	3031433	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	49287 2187416	96510	250128	494391	1068740	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	63081 3347620	135894	363350	746753	1568837	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	162535 8634865	344119	905853	1864879	3985489	2.00 80.0	4.00	10.0	20.0	40.0
o-Xylene	CBZ	Ave	79587 4136461	168969	452959	913272	1969700	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	117552 7135888	258133	709345	1484029	3318900	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	23746 1261483	50285	133051	279702	616561	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	175027 9753706	376054	992795	2066828	4399760	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	59590 2260530	119752	294932	599230	1229157	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	54065 2569216	114972	293754	593639	1253824	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	18732 729085	40695	94024	190863	399459	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	9151 565293	17898	51883	121595	264109	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	44296 2379317	101816	258545	527842	1124810	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	47028 2240856	105949	261247	522662	1122340	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	137475 7320946	297581	804267	1664702	3517956	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	49320 2412432	113179	283249	557492	1176060	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	108234 6443256	247676	647284	1355669	2811782	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	138495 7416636	316517	831957	1739940	3665232	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	148343 7596669	315856	828824	1749001	3599319	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	105483 4319964	218816	515050	1028971	2184946	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCB	Ave	114936 6450809	267048	706275	1482377	3126343	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	114122 4561039	236109	573628	1099593	2327891	1.00 40.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	95124 5073281	212137	549686	1180776	2416052	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	103573 4134855	220774	534538	1045591	2198021	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	9302 328665	21622	47356	111358	225061	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	60345 1977219	130259	291118	610228	1227759	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	52456 1616850	119798	274305	594109	1144674	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 15:10 Calibration End Date: 11/12/2012 17:02 Calibration ID: 12291

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobutadiene	DCB	Qua	24195 487092	51657	110766	230031	362028	1.00 40.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	138144 +++++	334220	773873	1874568	3518446	1.00 +++++	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	57614 +++++	128490	283525	601412	1032422	1.00 +++++	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	47796 2054581	95558	254654	474438	978409	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	55605 2378828	115392	298265	544354	1178172	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	176027 8688536	359210	970714	1930573	4027368	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	58658 2804504	120897	321161	629515	1350915	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0846.D
Lims ID: STD8260 L6 Client ID:
Inject. Date: 12-Nov-2012 15:10:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0014871-001
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 64678 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:53 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

First Level Reviewer: quayler Date: 12-Nov-2012 15:41:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	99	1858646	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	83	1308572	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	72	649378	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.627	0.009	59	2054581	40.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.002	0	2378828	39.8	
$ 7 Toluene-d8 (Surr)	98	6.564	6.567	-0.003	92	8688536	42.2	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	91	2804504	41.2	
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	88	1517107	41.0	
13 Chloromethane	50	1.701	1.704	-0.003	89	2482208	34.8	
14 Vinyl chloride	62	1.808	1.799	0.009	82	2144335	37.9	
16 Bromomethane	94	2.092	2.094	-0.002	88	983996	37.2	
17 Chloroethane	64	2.174	2.177	-0.003	99	1047754	38.3	
19 Trichlorofluoromethane	101	2.399	2.390	0.009	97	1799625	43.9	
21 Acrolein	56	2.695	2.698	-0.003	96	2570338	390.5	
23 1,1-Dichloroethene	96	2.813	2.816	-0.003	88	1872976	41.2	
24 Acetone	43	2.825	2.828	-0.003	100	1043547	76.7	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.837	2.840	-0.003	83	1426944	41.4	
26 Iodomethane	142	2.943	2.935	0.008	96	2933107	37.9	
27 Carbon disulfide	76	3.003	3.006	-0.003	98	6119513	42.4	
28 Acetonitrile	41	3.050	3.053	-0.003	98	1767771	400.1	
30 Methyl acetate	43	3.097	3.100	-0.003	95	3126431	71.9	
31 Methylene Chloride	84	3.192	3.195	-0.003	79	2370613	37.0	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	96	2241645	596.5	
33 Acrylonitrile	53	3.381	3.384	-0.003	100	1653968	75.9	
35 Methyl tert-butyl ether	73	3.429	3.432	-0.003	87	6451424	39.9	
34 trans-1,2-Dichloroethene	96	3.429	3.432	-0.003	61	2277605	40.9	
36 Hexane	86	3.665	3.656	0.009	91	395795	44.5	
37 1,1-Dichloroethane	63	3.772	3.775	-0.003	96	3828847	40.3	
38 Vinyl acetate	86	3.795	3.798	-0.003	96	437314	44.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.233	4.236	-0.003	95	1714375	70.2	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	68	2532393	40.9	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	87	2243724	41.3	
48 Chlorobromomethane	128	4.446	4.449	-0.003	89	1191655	39.7	
49 Tetrahydrofuran	42	4.482	4.485	-0.003	95	572725	39.9	
50 Chloroform	83	4.494	4.497	-0.003	81	3794429	39.7	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	89	2702490	41.2	
52 Cyclohexane	56	4.742	4.745	-0.003	86	3194526	43.0	
53 1,1-Dichloropropene	75	4.813	4.804	0.009	95	2837459	42.2	
54 Carbon tetrachloride	117	4.825	4.816	0.009	89	2188730	41.4	
56 1,2-Dichloroethane	62	4.979	4.982	-0.003	78	2702867	39.2	
57 Benzene	78	4.979	4.982	-0.003	94	9493368	40.6	
61 Trichloroethene	130	5.523	5.514	0.009	92	2326533	40.3	
63 Methylcyclohexane	83	5.701	5.703	-0.003	88	2839694	46.4	
64 1,2-Dichloropropane	63	5.701	5.703	-0.003	92	2205915	40.7	
66 Dibromomethane	93	5.807	5.798	0.009	89	1229677	39.1	
67 1,4-Dioxane	88	5.807	5.810	-0.003	89	720574	1977.5	
68 Dichlorobromomethane	83	5.925	5.928	-0.003	94	2725858	42.3	
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	91	2670875	86.7	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	94	3536095	44.4	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	95	3614614	76.7	
73 Toluene	91	6.623	6.626	-0.003	97	10274925	41.6	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	87	3062643	43.8	
75 Ethyl methacrylate	69	6.872	6.875	-0.003	88	2746746	42.8	
76 1,1,2-Trichloroethane	97	6.967	6.970	-0.003	84	1904687	38.1	
77 1,3-Dichloropropane	76	7.120	7.123	-0.003	92	3443790	39.1	
78 Tetrachloroethene	164	7.132	7.135	-0.003	90	1790634	40.2	
79 2-Hexanone	43	7.180	7.183	-0.003	95	2314236	76.6	
81 Chlorodibromomethane	129	7.333	7.336	-0.003	88	2097297	43.2	
83 Ethylene Dibromide	107	7.452	7.455	-0.003	99	1895026	39.1	
85 Chlorobenzene	112	7.913	7.904	0.009	98	6365963	40.8	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.975	-0.003	85	2187416	40.4	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	3347620	42.9	
88 m-Xylene & p-Xylene	106	8.114	8.117	-0.003	98	8634865	87.2	
89 o-Xylene	106	8.493	8.496	-0.003	92	4136461	42.6	
90 Styrene	104	8.505	8.508	-0.003	93	7135888	45.8	
91 Bromoform	173	8.682	8.685	-0.003	99	1261483	43.0	
92 Isopropylbenzene	105	8.848	8.851	-0.003	94	9753706	44.7	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.111	-0.003	85	2260530	37.4	
96 Bromobenzene	156	9.144	9.147	-0.003	90	2569216	42.5	
97 1,2,3-Trichloropropane	110	9.156	9.159	-0.003	71	729085	37.3	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.170	-0.002	72	565293	41.9	
99 N-Propylbenzene	120	9.250	9.241	0.009	98	2379317	44.5	
100 2-Chlorotoluene	126	9.333	9.336	-0.003	97	2240856	41.7	
101 1,3,5-Trimethylbenzene	105	9.416	9.407	0.009	92	7320946	44.5	
102 4-Chlorotoluene	126	9.440	9.431	0.009	98	2412432	42.2	
103 tert-Butylbenzene	119	9.735	9.738	-0.003	90	6443256	47.7	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	72	7416636	43.6	
105 sec-Butylbenzene	105	9.948	9.951	-0.003	94	7596669	44.1	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	96	4319964	39.9	
107 4-Isopropyltoluene	119	10.090	10.093	-0.003	97	6450809	44.6	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.003	95	4561039	39.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.505	10.496	0.009	97	5073281	44.3	
111 1,2-Dichlorobenzene	146	10.516	10.519	-0.003	98	4134855	38.1	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.289	-0.003	88	328665	32.2	
113 1,3,5-Trichlorobenzene	180	11.510	11.513	-0.003	97	1977219	32.7	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	92	1616850	29.4	
115 Hexachlorobutadiene	225	12.303	12.306	-0.003	96	487092	NaN	
116 Naphthalene	128	12.374	12.377	-0.003	100	4042500	24.1	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	99	1163004	19.5	
S 119 Trihalomethanes, Total	1				0		168.2	
S 120 1,2-Dichloroethene, Total	96				0		81.8	
S 121 1,3-Dichloropropene, Total	75				0		88.3	
S 122 Xylenes, Total	106				0		129.9	

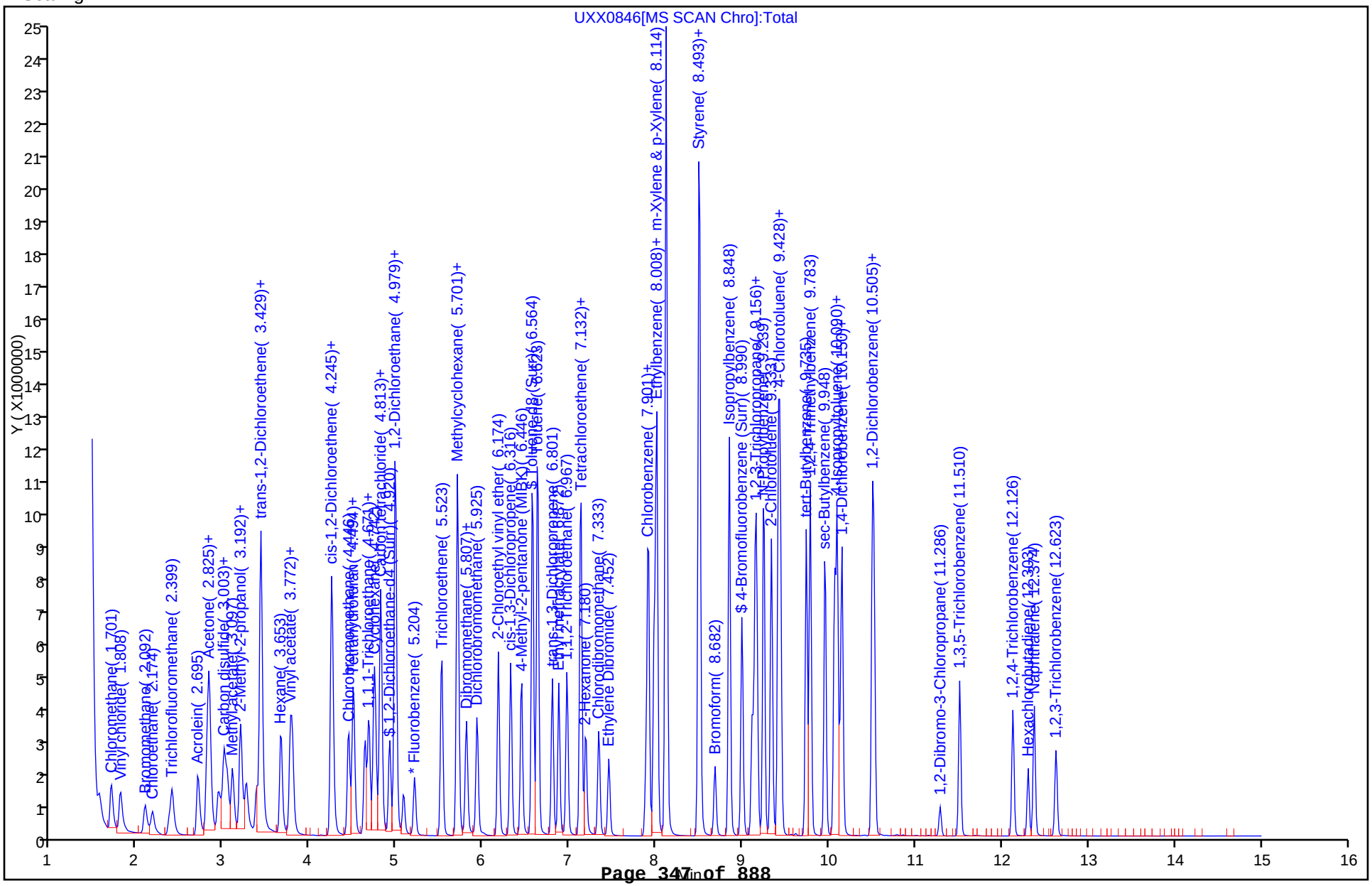
Report Date: 14-Nov-2012 12:22:53 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0846.D

Injection Date:	12-Nov-2012 15:10:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0847.D
Lims ID: STD8260 L5 Client ID:
Inject. Date: 12-Nov-2012 15:33:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0014871-002
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 64678 Lims Sample ID: 3
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:54 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.204	0.001	100	1811507	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.878	0.001	85	1275429	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	79	672268	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.627	0.010	60	978409	19.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.923	-0.001	0	1178172	20.2	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	92	4027368	20.1	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	93	1350915	20.3	
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	92	669856	18.6	
13 Chloromethane	50	1.702	1.704	-0.002	99	1252314	18.0	
14 Vinyl chloride	62	1.809	1.799	0.010	94	1043756	18.9	
16 Bromomethane	94	2.093	2.094	-0.001	88	468904	18.2	
17 Chloroethane	64	2.175	2.177	-0.002	99	492362	18.5	
19 Trichlorofluoromethane	101	2.400	2.390	0.010	98	765812	19.1	
21 Acrolein	56	2.696	2.698	-0.002	97	1273557	198.5	
23 1,1-Dichloroethene	96	2.814	2.816	-0.002	88	847885	19.1	
24 Acetone	43	2.826	2.828	-0.002	100	562559	41.6	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.840	-0.002	82	632122	18.8	
26 Iodomethane	142	2.933	2.935	-0.002	95	1411863	18.7	
27 Carbon disulfide	76	3.004	3.006	-0.002	98	2713083	19.3	
28 Acetonitrile	41	3.051	3.053	-0.002	99	994750	199.5	
30 Methyl acetate	43	3.098	3.100	-0.002	95	1616797	38.2	
31 Methylene Chloride	84	3.193	3.195	-0.002	81	1136559	18.2	
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	98	1437321	392.5	
33 Acrylonitrile	53	3.382	3.384	-0.002	100	842773	39.7	
35 Methyl tert-butyl ether	73	3.430	3.432	-0.002	87	3199056	20.3	
34 trans-1,2-Dichloroethene	96	3.430	3.432	-0.002	62	1063185	19.6	
36 Hexane	86	3.666	3.656	0.010	91	161419	18.6	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	85	1821871	19.7	
38 Vinyl acetate	86	3.797	3.798	-0.001	97	206976	21.5	
42 2-Butanone (MEK)	43	4.234	4.236	-0.002	95	904760	38.0	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	68	1200218	19.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	87	1029269	19.4	
48 Chlorobromomethane	128	4.447	4.449	-0.002	91	579619	19.8	
49 Tetrahydrofuran	42	4.495	4.485	0.010	88	328102	20.3	
50 Chloroform	83	4.495	4.497	-0.002	89	1830142	19.6	
51 1,1,1-Trichloroethane	97	4.672	4.674	-0.002	92	1253228	19.6	
52 Cyclohexane	56	4.743	4.745	-0.002	87	1384706	19.1	
53 1,1-Dichloropropene	75	4.814	4.804	0.010	95	1301656	19.9	
54 Carbon tetrachloride	117	4.826	4.816	0.010	86	1015979	19.7	
56 1,2-Dichloroethane	62	4.980	4.982	-0.002	52	1332741	19.9	
57 Benzene	78	4.980	4.982	-0.002	94	4483517	19.7	
61 Trichloroethene	130	5.524	5.514	0.010	92	1104556	19.7	
63 Methylcyclohexane	83	5.702	5.703	-0.001	84	1146512	19.2	
64 1,2-Dichloropropane	63	5.702	5.703	-0.001	84	1052699	19.9	
66 Dibromomethane	93	5.808	5.798	0.010	88	613551	20.0	
67 1,4-Dioxane	88	5.808	5.810	-0.002	87	512220	1012.5	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	100	1296764	20.6	
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	90	1331531	44.4	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	93	1669482	21.5	
72 4-Methyl-2-pentanone (MIBK)	43	6.435	6.437	-0.002	95	1915881	41.7	
73 Toluene	91	6.625	6.626	-0.001	98	4790661	19.9	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	91	1467254	21.5	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	88	1366660	21.8	
76 1,1,2-Trichloroethane	97	6.968	6.970	-0.002	85	943086	19.4	
77 1,3-Dichloropropane	76	7.122	7.123	-0.001	91	1695247	19.7	
78 Tetrachloroethene	164	7.133	7.135	-0.002	89	826165	19.0	
79 2-Hexanone	43	7.181	7.183	-0.002	96	1237996	42.0	
81 Chlorodibromomethane	129	7.335	7.336	-0.001	88	991725	21.0	
83 Ethylene Dibromide	107	7.453	7.455	-0.002	97	968223	20.5	
85 Chlorobenzene	112	7.914	7.904	0.010	94	3031433	19.9	
86 1,1,1,2-Tetrachloroethane	131	7.974	7.975	-0.001	85	1068740	20.2	
87 Ethylbenzene	106	8.009	8.011	-0.002	97	1568837	20.6	
88 m-Xylene & p-Xylene	106	8.116	8.117	-0.001	99	3985489	41.3	
89 o-Xylene	106	8.494	8.496	-0.002	92	1969700	20.8	
90 Styrene	104	8.506	8.508	-0.002	93	3318900	21.9	
91 Bromoform	173	8.684	8.685	-0.001	98	616561	21.5	
92 Isopropylbenzene	105	8.849	8.851	-0.002	94	4399760	20.7	
95 1,1,2,2-Tetrachloroethane	83	9.110	9.111	-0.001	81	1229157	19.6	
96 Bromobenzene	156	9.145	9.147	-0.002	91	1253824	20.0	
97 1,2,3-Trichloropropane	110	9.157	9.159	-0.002	75	399459	19.7	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.170	-0.001	71	264109	19.2	
99 N-Propylbenzene	120	9.240	9.241	-0.001	98	1124810	20.3	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	1122340	20.2	
101 1,3,5-Trimethylbenzene	105	9.417	9.407	0.010	93	3517956	20.6	
102 4-Chlorotoluene	126	9.441	9.431	0.010	97	1176060	19.9	
103 tert-Butylbenzene	119	9.737	9.738	-0.001	89	2811782	20.1	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	85	3665232	20.8	
105 sec-Butylbenzene	105	9.950	9.951	-0.001	93	3599319	20.2	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	96	2184946	19.5	
107 4-Isopropyltoluene	119	10.092	10.093	-0.001	97	3126343	20.9	
108 1,4-Dichlorobenzene	146	10.151	10.153	-0.002	94	2327891	19.3	
110 n-Butylbenzene	91	10.494	10.496	-0.002	97	2416052	20.4	
111 1,2-Dichlorobenzene	146	10.518	10.519	-0.001	98	2198021	19.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.289	-0.002	89	225061	21.3	
113 1,3,5-Trichlorobenzene	180	11.512	11.513	-0.001	97	1227759	19.6	
114 1,2,4-Trichlorobenzene	180	12.127	12.129	-0.002	94	1144674	20.1	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	91	362028	19.2	
116 Naphthalene	128	12.375	12.377	-0.002	100	3518446	20.2	
117 1,2,3-Trichlorobenzene	180	12.624	12.626	-0.002	100	1032422	16.8	
S 119 Trihalomethanes, Total	1				0		82.8	
S 120 1,2-Dichloroethene, Total	96				0		39.5	
S 121 1,3-Dichloropropene, Total	75				0		43.1	
S 122 Xylenes, Total	106				0		62.1	

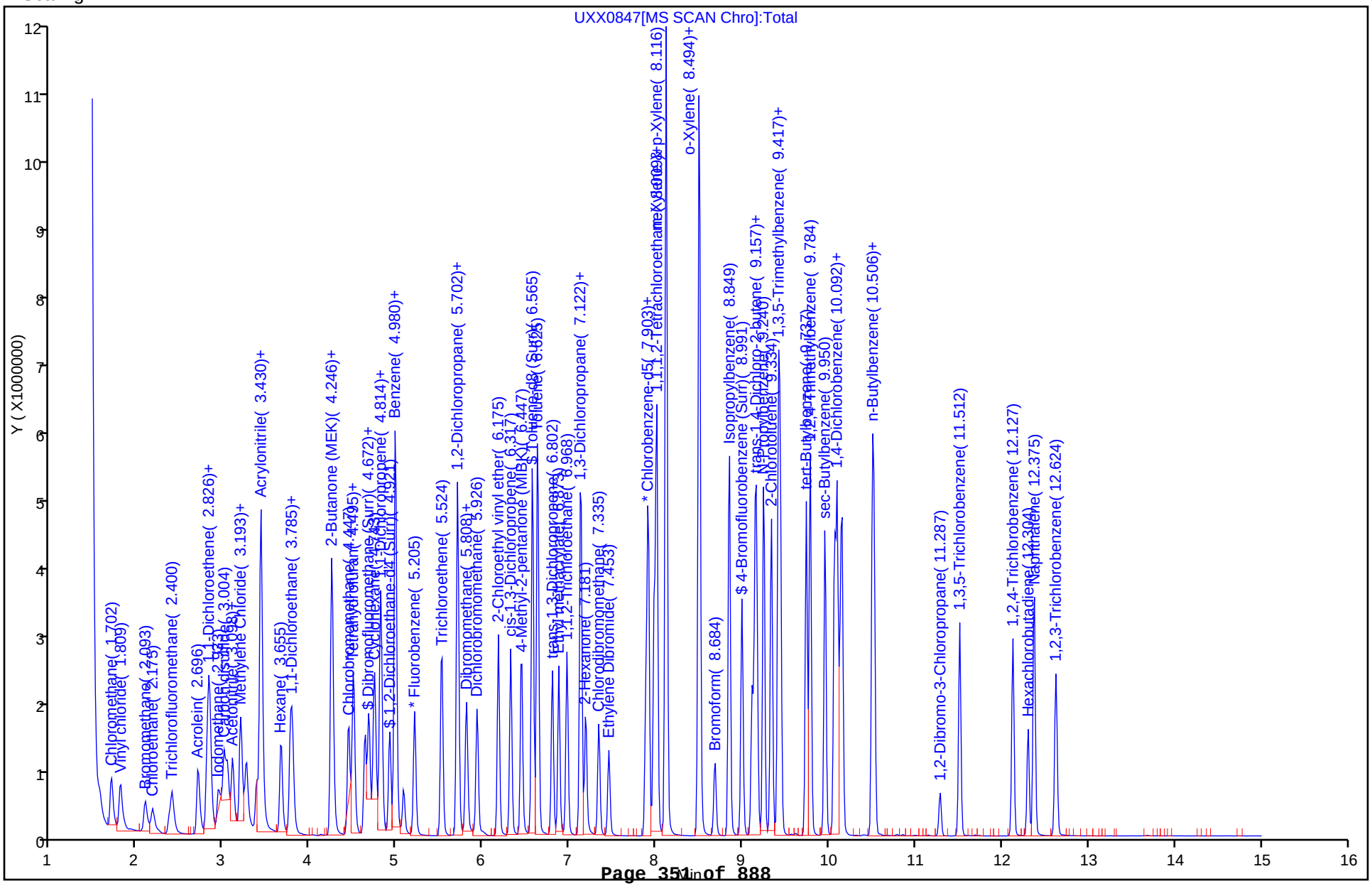
Report Date: 14-Nov-2012 12:22:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0847.D

Injection Date:	12-Nov-2012 15:33:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	3
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0848.D
Lims ID: STD8260 L4 Client ID:
Inject. Date: 12-Nov-2012 15:55:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: 240-0014871-004
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 64678 Lims Sample ID: 4
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:55 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.207	0.0	99	1810823	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	83	1245256	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	89	654209	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.627	0.0	59	474438	9.57	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.923	0.0	0	544354	9.34	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	93	1930573	9.85	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	93	629515	9.71	
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	87	373185	10.3	
13 Chloromethane	50	1.704	1.704	0.0	89	630854	9.07	
14 Vinyl chloride	62	1.799	1.799	0.0	82	545008	9.90	
16 Bromomethane	94	2.094	2.094	0.0	87	236981	9.20	
17 Chloroethane	64	2.177	2.177	0.0	98	244780	9.19	
19 Trichlorofluoromethane	101	2.390	2.390	0.0	98	402134	10.1	
21 Acrolein	56	2.698	2.698	0.0	96	644261	100.5	
23 1,1-Dichloroethene	96	2.816	2.816	0.0	89	437052	9.86	
24 Acetone	43	2.828	2.828	0.0	94	295160	21.0	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.840	2.840	0.0	83	347682	10.4	
26 Iodomethane	142	2.935	2.935	0.0	96	708810	9.40	
27 Carbon disulfide	76	3.006	3.006	0.0	98	1348377	9.59	
28 Acetonitrile	41	3.053	3.053	0.0	100	538745	100.1	
30 Methyl acetate	43	3.100	3.100	0.0	95	819857	19.4	
31 Methylene Chloride	84	3.195	3.195	0.0	84	559579	8.95	
32 2-Methyl-2-propanol	59	3.266	3.266	0.0	95	736635	201.2	
33 Acrylonitrile	53	3.384	3.384	0.0	99	421506	19.9	
35 Methyl tert-butyl ether	73	3.432	3.432	0.0	87	1519712	9.64	
34 trans-1,2-Dichloroethene	96	3.432	3.432	0.0	63	525590	9.68	
36 Hexane	86	3.656	3.656	0.0	91	91773	10.6	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	85	858573	9.28	
38 Vinyl acetate	86	3.798	3.798	0.0	96	100425	10.5	
42 2-Butanone (MEK)	43	4.236	4.236	0.0	95	468043	19.7	
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	68	570139	9.44	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.260	4.260	0.0	87	509922	9.62	
48 Chlorobromomethane	128	4.449	4.449	0.0	90	275976	9.43	
49 Tetrahydrofuran	42	4.485	4.485	0.0	86	171197	9.68	
50 Chloroform	83	4.497	4.497	0.0	93	877735	9.42	
51 1,1,1-Trichloroethane	97	4.674	4.674	0.0	89	632967	9.91	
52 Cyclohexane	56	4.745	4.745	0.0	87	756268	10.5	
53 1,1-Dichloropropene	75	4.804	4.804	0.0	95	645899	9.86	
54 Carbon tetrachloride	117	4.816	4.816	0.0	86	506633	9.83	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	46	639567	9.53	
57 Benzene	78	4.982	4.982	0.0	94	2128801	9.35	
61 Trichloroethene	130	5.514	5.514	0.0	98	531723	9.46	
63 Methylcyclohexane	83	5.703	5.703	0.0	86	637965	10.7	
64 1,2-Dichloropropane	63	5.703	5.703	0.0	83	504756	9.55	
66 Dibromomethane	93	5.798	5.798	0.0	92	292142	9.54	
67 1,4-Dioxane	88	5.810	5.810	0.0	87	288501	497.5	
68 Dichlorobromomethane	83	5.928	5.928	0.0	99	600098	9.56	
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	91	604141	20.1	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	92	755964	9.75	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.437	0.0	96	922094	20.1	
73 Toluene	91	6.626	6.626	0.0	97	2241611	9.55	
74 trans-1,3-Dichloropropene	75	6.804	6.804	0.0	91	656429	9.87	
75 Ethyl methacrylate	69	6.875	6.875	0.0	88	641991	10.5	
76 1,1,2-Trichloroethane	97	6.970	6.970	0.0	89	459854	9.66	
77 1,3-Dichloropropane	76	7.123	7.123	0.0	91	803827	9.59	
78 Tetrachloroethene	164	7.135	7.135	0.0	89	407744	9.62	
79 2-Hexanone	43	7.183	7.183	0.0	95	590164	20.5	
81 Chlorodibromomethane	129	7.336	7.336	0.0	90	456198	9.88	
83 Ethylene Dibromide	107	7.455	7.455	0.0	99	444348	9.63	
85 Chlorobenzene	112	7.904	7.904	0.0	95	1413092	9.51	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.975	0.0	86	494391	9.59	
87 Ethylbenzene	106	8.011	8.011	0.0	97	746753	10.1	
88 m-Xylene & p-Xylene	106	8.117	8.117	0.0	99	1864879	19.8	
89 o-Xylene	106	8.496	8.496	0.0	95	913272	9.88	
90 Styrene	104	8.508	8.508	0.0	93	1484029	10.0	
91 Bromoform	173	8.685	8.685	0.0	98	279702	10.0	
92 Isopropylbenzene	105	8.851	8.851	0.0	95	2066828	9.96	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.111	0.0	87	599230	9.83	
96 Bromobenzene	156	9.147	9.147	0.0	89	593639	9.75	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	74	190863	9.69	
98 trans-1,4-Dichloro-2-butene	53	9.170	9.170	0.0	70	121595	9.35	
99 N-Propylbenzene	120	9.241	9.241	0.0	98	527842	9.81	
100 2-Chlorotoluene	126	9.336	9.336	0.0	97	522662	9.66	
101 1,3,5-Trimethylbenzene	105	9.407	9.407	0.0	93	1664702	10.0	
102 4-Chlorotoluene	126	9.431	9.431	0.0	98	557492	9.67	
103 tert-Butylbenzene	119	9.738	9.738	0.0	81	1355669	9.96	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	70	1739940	10.1	
105 sec-Butylbenzene	105	9.951	9.951	0.0	93	1749001	10.1	
106 1,3-Dichlorobenzene	146	10.070	10.070	0.0	88	1028971	9.43	
107 4-Isopropyltoluene	119	10.093	10.093	0.0	95	1482377	10.2	
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	94	1099593	9.35	
110 n-Butylbenzene	91	10.496	10.496	0.0	95	1180776	10.2	
111 1,2-Dichlorobenzene	146	10.519	10.519	0.0	98	1045591	9.57	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.289	0.0	86	111358	10.8	
113 1,3,5-Trichlorobenzene	180	11.513	11.513	0.0	97	610228	10.0	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	93	594109	10.7	
115 Hexachlorobutadiene	225	12.306	12.306	0.0	94	230031	10.9	
116 Naphthalene	128	12.377	12.377	0.0	100	1874568	11.1	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	100	601412	10.0	
S 119 Trihalomethanes, Total	1				0		38.9	
S 120 1,2-Dichloroethene, Total	96				0		19.1	
S 121 1,3-Dichloropropene, Total	75				0		19.6	
S 122 Xylenes, Total	106				0		29.7	

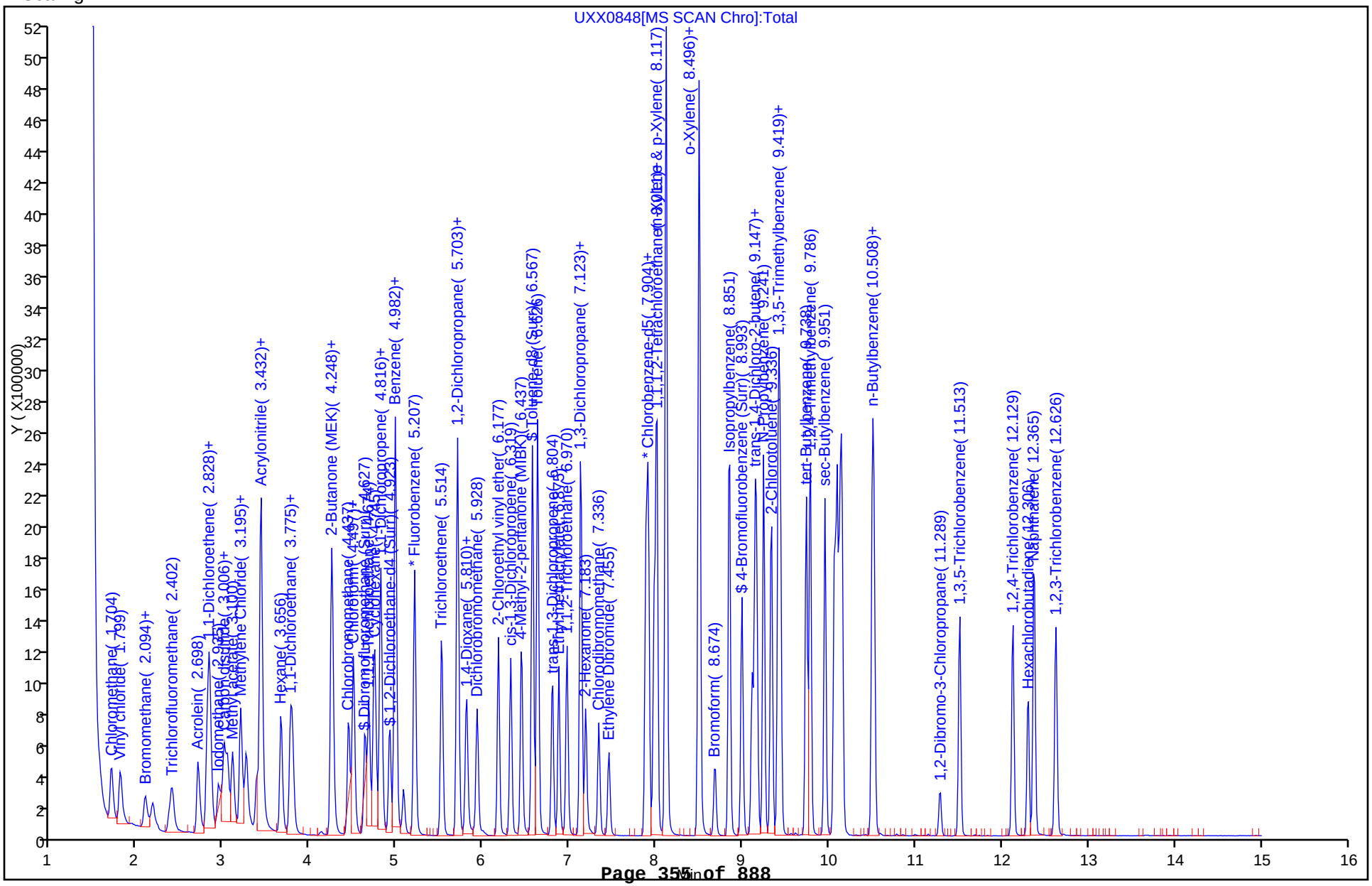
Report Date: 14-Nov-2012 12:22:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0848.D

Injection Date:	12-Nov-2012 15:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0849.D
Lims ID: STD8260 L3 Client ID:
Inject. Date: 12-Nov-2012 16:17:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0014871-005
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 64678 Lims Sample ID: 5
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:56 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.207	-0.002	99	1779078	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.881	-0.003	85	1192390	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	91	639132	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.627	0.009	59	254654	5.23	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.923	-0.002	0	298265	5.21	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	92	970714	5.17	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	91	321161	5.17	
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	97	177301	5.00	
13 Chloromethane	50	1.702	1.704	-0.002	88	342304	5.01	
14 Vinyl chloride	62	1.796	1.799	-0.003	82	275699	5.09	
16 Bromomethane	94	2.092	2.094	-0.002	89	121597	4.80	
17 Chloroethane	64	2.175	2.177	-0.002	98	124356	4.75	
19 Trichlorofluoromethane	101	2.400	2.390	0.010	93	186904	4.76	
21 Acrolein	56	2.708	2.698	0.010	90	304469	48.3	
23 1,1-Dichloroethene	96	2.814	2.816	-0.002	89	214549	4.93	
24 Acetone	43	2.826	2.828	-0.002	81	166058	11.2	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.840	-0.002	81	163255	4.95	
26 Iodomethane	142	2.944	2.935	0.009	97	372028	5.02	
27 Carbon disulfide	76	3.003	3.006	-0.003	98	683913	4.95	
28 Acetonitrile	41	3.051	3.053	-0.002	98	284821	50.9	
30 Methyl acetate	43	3.098	3.100	-0.002	95	421663	10.1	
31 Methylene Chloride	84	3.193	3.195	-0.002	86	295754	4.82	
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	95	372177	103.5	
33 Acrylonitrile	53	3.382	3.384	-0.002	99	215874	10.4	
35 Methyl tert-butyl ether	73	3.429	3.432	-0.003	88	777265	5.02	
34 trans-1,2-Dichloroethene	96	3.429	3.432	-0.003	63	267462	5.02	
36 Hexane	86	3.666	3.656	0.010	90	38466	4.52	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	97	451913	4.97	
38 Vinyl acetate	86	3.796	3.798	-0.002	97	44995	4.77	
42 2-Butanone (MEK)	43	4.246	4.236	0.010	70	239039	10.2	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	68	295440	4.98	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	86	258332	4.96	
48 Chlorobromomethane	128	4.447	4.449	-0.002	94	140473	4.88	
49 Tetrahydrofuran	42	4.494	4.485	0.009	86	90634	4.82	
50 Chloroform	83	4.494	4.497	-0.003	94	457349	5.00	
51 1,1,1-Trichloroethane	97	4.672	4.674	-0.002	89	314125	5.01	
52 Cyclohexane	56	4.743	4.745	-0.002	86	340535	4.79	
53 1,1-Dichloropropene	75	4.814	4.804	0.010	94	309947	4.81	
54 Carbon tetrachloride	117	4.826	4.816	0.010	80	251500	4.97	
56 1,2-Dichloroethane	62	4.979	4.982	-0.003	52	333387	5.06	
57 Benzene	78	4.979	4.982	-0.003	94	1108291	4.95	
61 Trichloroethene	130	5.524	5.514	0.010	95	267568	4.85	
63 Methylcyclohexane	83	5.701	5.703	-0.002	84	274651	4.69	
64 1,2-Dichloropropane	63	5.701	5.703	-0.002	83	259174	4.99	
66 Dibromomethane	93	5.808	5.798	0.010	88	150074	4.99	
67 1,4-Dioxane	88	5.808	5.810	-0.002	91	137374	231.7	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	99	303148	4.91	
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	91	296796	10.1	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	93	369728	4.85	
72 4-Methyl-2-pentanone (MIBK)	43	6.435	6.437	-0.002	96	458647	10.2	
73 Toluene	91	6.624	6.626	-0.002	98	1132310	5.04	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	89	310855	4.88	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	88	296669	5.07	
76 1,1,2-Trichloroethane	97	6.967	6.970	-0.003	89	235302	5.16	
77 1,3-Dichloropropane	76	7.121	7.123	-0.002	91	400610	4.99	
78 Tetrachloroethene	164	7.133	7.135	-0.002	87	202364	4.99	
79 2-Hexanone	43	7.180	7.183	-0.003	95	291062	10.6	
81 Chlorodibromomethane	129	7.334	7.336	-0.002	88	222734	5.04	
83 Ethylene Dibromide	107	7.453	7.455	-0.002	97	223365	5.06	
85 Chlorobenzene	112	7.914	7.904	0.010	97	720708	5.07	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.975	-0.002	83	250128	5.07	
87 Ethylbenzene	106	8.009	8.011	-0.002	97	363350	5.11	
88 m-Xylene & p-Xylene	106	8.115	8.117	-0.002	99	905853	10.0	
89 o-Xylene	106	8.494	8.496	-0.002	90	452959	5.12	
90 Styrene	104	8.506	8.508	-0.002	92	709345	5.00	
91 Bromoform	173	8.683	8.685	-0.002	98	133051	4.97	
92 Isopropylbenzene	105	8.849	8.851	-0.002	94	992795	4.99	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.111	-0.002	87	294932	4.95	
96 Bromobenzene	156	9.145	9.147	-0.002	91	293754	4.94	
97 1,2,3-Trichloropropane	110	9.156	9.159	-0.003	74	94024	4.88	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.170	-0.002	64	51883	4.37	
99 N-Propylbenzene	120	9.239	9.241	-0.002	98	258545	4.92	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	261247	4.94	
101 1,3,5-Trimethylbenzene	105	9.417	9.407	0.010	93	804267	4.96	
102 4-Chlorotoluene	126	9.440	9.431	0.009	96	283249	5.03	
103 tert-Butylbenzene	119	9.736	9.738	-0.002	89	647284	4.87	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	85	831957	4.97	
105 sec-Butylbenzene	105	9.949	9.951	-0.002	92	828824	4.89	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	97	515050	4.83	
107 4-Isopropyltoluene	119	10.091	10.093	-0.002	97	706275	4.96	
108 1,4-Dichlorobenzene	146	10.150	10.153	-0.003	96	573628	4.99	
110 n-Butylbenzene	91	10.494	10.496	-0.002	95	549686	4.87	
111 1,2-Dichlorobenzene	146	10.517	10.519	-0.002	98	534538	5.01	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.289	-0.003	69	47356	4.71	
113 1,3,5-Trichlorobenzene	180	11.511	11.513	-0.002	97	291118	4.89	
114 1,2,4-Trichlorobenzene	180	12.126	12.129	-0.003	93	274305	5.06	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	92	110766	4.78	
116 Naphthalene	128	12.375	12.377	-0.002	100	773873	4.68	
117 1,2,3-Trichlorobenzene	180	12.623	12.626	-0.003	99	283525	4.84	
S 119 Trihalomethanes, Total	1				0		19.9	
S 120 1,2-Dichloroethene, Total	96				0		10.0	
S 121 1,3-Dichloropropene, Total	75				0		9.73	
S 122 Xylenes, Total	106				0		15.2	

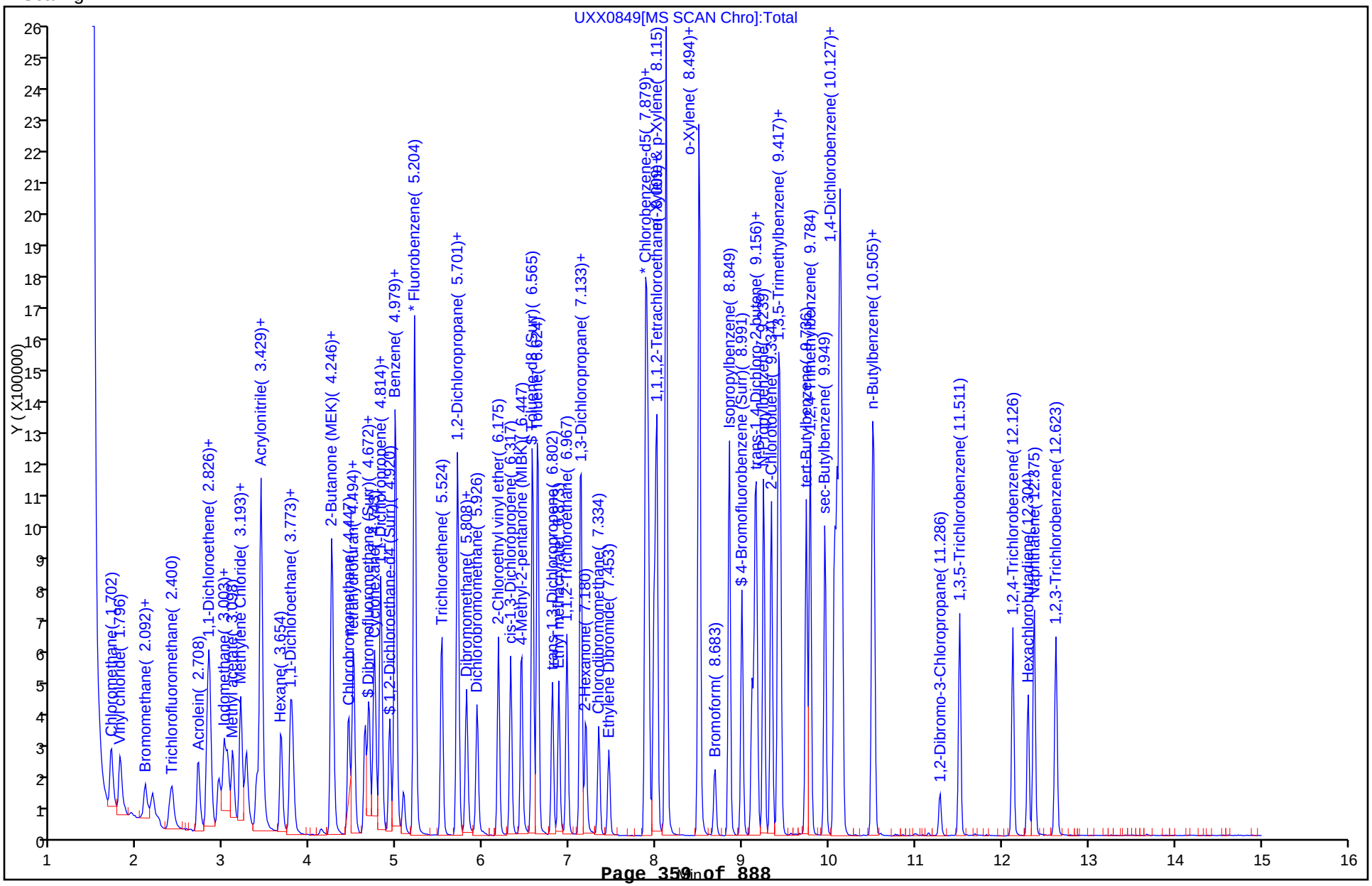
Report Date: 14-Nov-2012 12:22:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0849.D

Injection Date:	12-Nov-2012 16:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	5
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0850.D
Lims ID: STD8260 L2 Client ID:
Inject. Date: 12-Nov-2012 16:40:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0014871-006
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 64678 Lims Sample ID: 6
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:57 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.207	-0.001	99	1740672	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.881	-0.002	83	1184519	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	94	617764	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.627	0.010	55	95558	2.00	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.923	-0.001	0	115392	2.06	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	92	359210	1.93	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	87	120897	1.96	
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	78	70486	2.03	
13 Chloromethane	50	1.690	1.704	-0.014	98	156281	2.34	
14 Vinyl chloride	62	1.797	1.799	-0.002	91	112499	2.12	
16 Bromomethane	94	2.093	2.094	-0.002	83	56470	2.28	
17 Chloroethane	64	2.175	2.177	-0.002	87	58980	2.30	
19 Trichlorofluoromethane	101	2.388	2.390	-0.002	86	76738	2.00	
21 Acrolein	56	2.696	2.698	-0.002	92	123569	20.0	
23 1,1-Dichloroethene	96	2.814	2.816	-0.002	95	84658	1.99	
24 Acetone	43	2.826	2.828	-0.002	88	69478	3.76	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.840	-0.002	87	65909	2.04	
26 Iodomethane	142	2.933	2.935	-0.002	96	161277	2.23	
27 Carbon disulfide	76	3.004	3.006	-0.002	96	273875	2.03	
28 Acetonitrile	41	3.051	3.053	-0.002	99	120215	19.9	
30 Methyl acetate	43	3.098	3.100	-0.002	95	172767	4.25	
31 Methylene Chloride	84	3.193	3.195	-0.002	85	132313	2.20	
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	95	153465	43.6	
33 Acrylonitrile	53	3.382	3.384	-0.002	96	80637	3.95	
35 Methyl tert-butyl ether	73	3.430	3.432	-0.002	88	305714	2.02	
34 trans-1,2-Dichloroethene	96	3.430	3.432	-0.002	62	106452	2.04	
36 Hexane	86	3.654	3.656	-0.002	90	17904	2.15	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	93	183164	2.06	
38 Vinyl acetate	86	3.796	3.798	-0.002	97	16843	1.82	
42 2-Butanone (MEK)	43	4.246	4.236	0.010	61	95911	4.19	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	81	117608	2.03	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	79	104223	2.05	
48 Chlorobromomethane	128	4.447	4.449	-0.002	82	57430	2.04	
49 Tetrahydrofuran	42	4.495	4.485	0.010	80	44131	2.10	
50 Chloroform	83	4.495	4.497	-0.002	90	186053	2.08	
51 1,1,1-Trichloroethane	97	4.684	4.674	0.010	90	125449	2.04	
52 Cyclohexane	56	4.743	4.745	-0.002	88	136757	1.97	
53 1,1-Dichloropropene	75	4.814	4.804	0.010	93	124802	1.98	
54 Carbon tetrachloride	117	4.826	4.816	0.010	80	100798	2.04	
56 1,2-Dichloroethane	62	4.980	4.982	-0.002	53	135372	2.10	
57 Benzene	78	4.980	4.982	-0.002	94	443302	2.02	
61 Trichloroethene	130	5.524	5.514	0.010	94	110526	2.05	
63 Methylcyclohexane	83	5.702	5.703	-0.001	83	108692	1.90	
64 1,2-Dichloropropane	63	5.702	5.703	-0.001	87	104320	2.05	
66 Dibromomethane	93	5.808	5.798	0.010	88	61839	2.10	
67 1,4-Dioxane	88	5.808	5.810	-0.002	86	60682	108.3	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	96	123061	2.04	
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	88	105614	3.66	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	90	144437	1.94	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.437	0.010	94	175491	3.97	
73 Toluene	91	6.624	6.626	-0.002	97	451655	2.02	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	85	121296	1.92	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	84	107493	1.85	
76 1,1,2-Trichloroethane	97	6.968	6.970	-0.002	88	94427	2.09	
77 1,3-Dichloropropane	76	7.121	7.123	-0.002	91	165969	2.08	
78 Tetrachloroethene	164	7.133	7.135	-0.002	94	82786	2.05	
79 2-Hexanone	43	7.181	7.183	-0.002	96	107859	3.94	
81 Chlorodibromomethane	129	7.334	7.336	-0.002	87	85958	1.96	
83 Ethylene Dibromide	107	7.453	7.455	-0.002	95	87936	2.00	
85 Chlorobenzene	112	7.914	7.904	0.010	96	280902	1.99	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.975	-0.002	82	96510	1.97	
87 Ethylbenzene	106	8.009	8.011	-0.002	97	135894	1.92	
88 m-Xylene & p-Xylene	106	8.115	8.117	-0.002	99	344119	3.84	
89 o-Xylene	106	8.494	8.496	-0.002	90	168969	1.92	
90 Styrene	104	8.506	8.508	-0.002	91	258133	1.83	
91 Bromoform	173	8.683	8.685	-0.002	96	50285	1.89	
92 Isopropylbenzene	105	8.849	8.851	-0.002	93	376054	1.90	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.111	-0.002	95	119752	2.08	
96 Bromobenzene	156	9.145	9.147	-0.002	91	114972	2.00	
97 1,2,3-Trichloropropane	110	9.157	9.159	-0.002	66	40695	2.19	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.170	-0.001	57	17898	1.89	
99 N-Propylbenzene	120	9.240	9.241	-0.001	97	101816	2.00	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	105949	2.07	
101 1,3,5-Trimethylbenzene	105	9.417	9.407	0.010	93	297581	1.90	
102 4-Chlorotoluene	126	9.441	9.431	0.010	96	113179	2.08	
103 tert-Butylbenzene	119	9.736	9.738	-0.002	89	247676	1.93	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	85	316517	1.95	
105 sec-Butylbenzene	105	9.949	9.951	-0.002	89	315856	1.93	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	93	218816	2.12	
107 4-Isopropyltoluene	119	10.091	10.093	-0.002	96	267048	1.94	
108 1,4-Dichlorobenzene	146	10.151	10.153	-0.002	89	236109	2.13	
110 n-Butylbenzene	91	10.494	10.496	-0.002	97	212137	1.95	
111 1,2-Dichlorobenzene	146	10.517	10.519	-0.002	98	220774	2.14	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.289	-0.002	60	21622	2.23	
113 1,3,5-Trichlorobenzene	180	11.511	11.513	-0.002	95	130259	2.27	
114 1,2,4-Trichlorobenzene	180	12.127	12.129	-0.002	90	119798	2.29	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	91	51657	2.05	
116 Naphthalene	128	12.375	12.377	-0.002	100	334220	2.09	
117 1,2,3-Trichlorobenzene	180	12.624	12.626	-0.002	98	128490	2.27	
S 119 Trihalomethanes, Total	1				0		7.97	
S 120 1,2-Dichloroethene, Total	96				0		4.07	
S 121 1,3-Dichloropropene, Total	75				0		3.86	
S 122 Xylenes, Total	106				0		5.76	

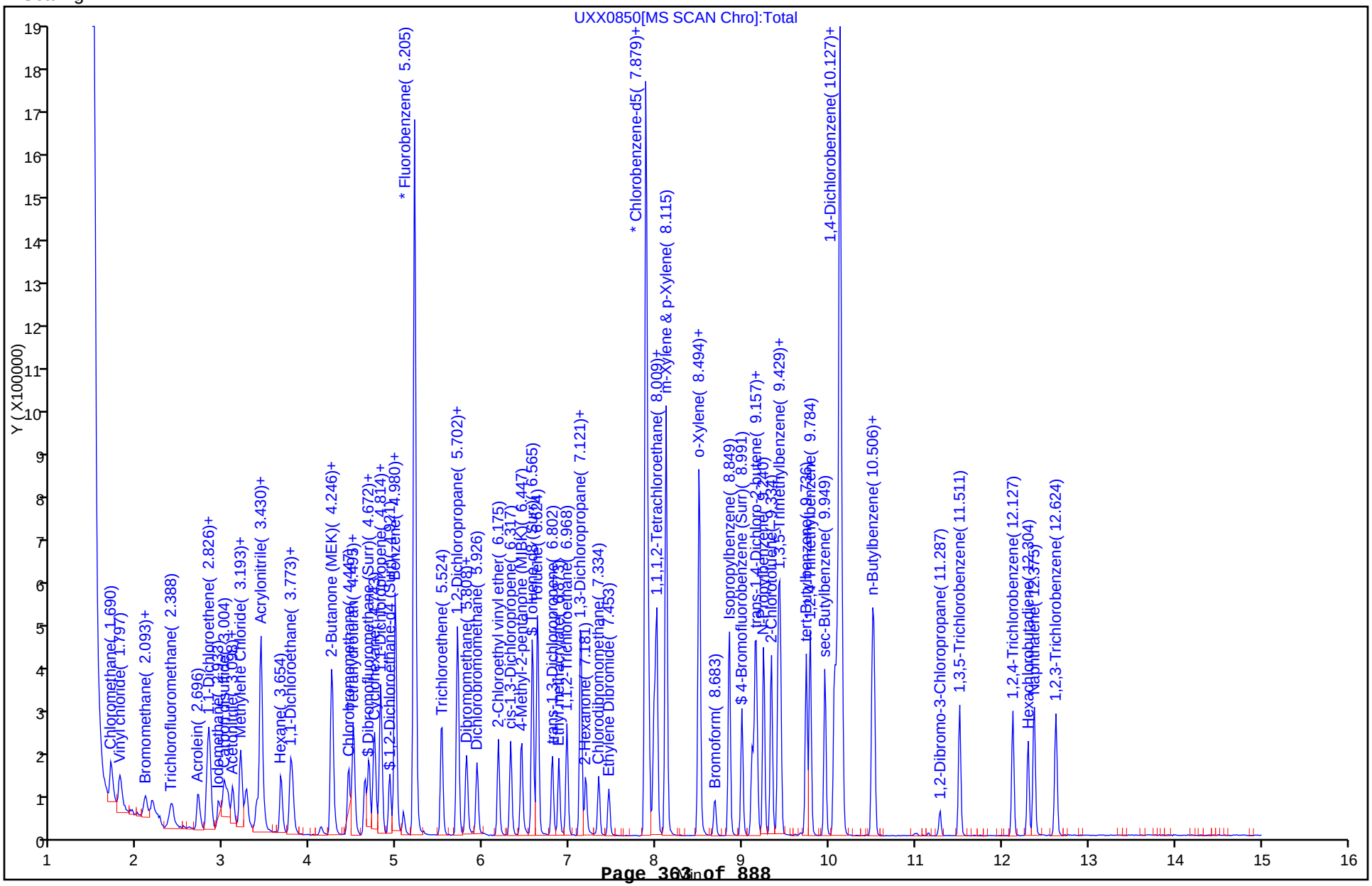
Report Date: 14-Nov-2012 12:22:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0850.D

Injection Date:	12-Nov-2012 16:40:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0851.D
Lims ID: STD8260 L1 Client ID:
Inject. Date: 12-Nov-2012 17:02:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0014871-007
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 64678 Lims Sample ID: 7
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:22:58 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.207	0.001	99	1743563	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	83	1165603	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	93	596320	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.627	0.0	51	47796	1.00	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.923	4.923	0.001	0	55605	0.99	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	91	176027	0.9595	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	83	58658	0.9668	
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	67	34671	1.00	
13 Chloromethane	50	1.704	1.704	0.0	96	77442	1.16	
14 Vinyl chloride	62	1.799	1.799	0.0	85	54815	1.03	
16 Bromomethane	94	2.094	2.094	0.0	81	28264	1.14	
17 Chloroethane	64	2.177	2.177	0.0	59	28099	1.10	
19 Trichlorofluoromethane	101	2.390	2.390	0.0	78	38147	0.99	
21 Acrolein	56	2.710	2.698	0.012	88	65268	10.6	
23 1,1-Dichloroethene	96	2.804	2.816	-0.012	92	44690	1.05	
24 Acetone	43	2.828	2.828	0.0	86	44960	1.78	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.840	2.840	0.0	71	31497	0.9748	
26 Iodomethane	142	2.946	2.935	0.011	95	76830	1.06	
27 Carbon disulfide	76	3.006	3.006	0.0	97	136745	1.01	
28 Acetonitrile	41	3.053	3.053	0.0	99	65625	9.44	
30 Methyl acetate	43	3.100	3.100	0.0	94	89933	2.21	
31 Methylene Chloride	84	3.195	3.195	0.0	86	72627	1.21	
32 2-Methyl-2-propanol	59	3.266	3.266	0.0	99	80525	22.8	
33 Acrylonitrile	53	3.384	3.384	0.0	93	42638	2.09	
35 Methyl tert-butyl ether	73	3.432	3.432	0.0	90	153912	1.01	
34 trans-1,2-Dichloroethene	96	3.432	3.432	0.0	63	52663	1.01	
36 Hexane	86	3.668	3.656	0.012	86	7645	0.9167	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	84	94279	1.06	
38 Vinyl acetate	86	3.798	3.798	0.0	94	8334	0.9014	
42 2-Butanone (MEK)	43	4.248	4.236	0.012	66	51121	2.23	
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	77	59877	1.03	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
44 2,2-Dichloropropane	77	4.260	4.260	0.0	69	52041	1.02	
48 Chlorobromomethane	128	4.449	4.449	0.0	72	30419	1.08	
49 Tetrahydrofuran	42	4.497	4.485	0.012	75	28303	1.15	
50 Chloroform	83	4.497	4.497	0.0	86	93846	1.05	
51 1,1,1-Trichloroethane	97	4.674	4.674	0.0	85	59884	0.9739	
52 Cyclohexane	56	4.745	4.745	0.0	86	68421	0.9820	
53 1,1-Dichloropropene	75	4.816	4.804	0.012	91	63924	1.01	
54 Carbon tetrachloride	117	4.816	4.816	0.0	82	48821	0.9843	
56 1,2-Dichloroethane	62	4.982	4.982	0.0	45	65431	1.01	
57 Benzene	78	4.982	4.982	0.0	94	233228	1.06	
61 Trichloroethene	130	5.526	5.514	0.012	87	57861	1.07	
63 Methylcyclohexane	83	5.704	5.703	0.001	82	53144	0.9253	
64 1,2-Dichloropropane	63	5.704	5.703	0.001	82	51313	1.01	
66 Dibromomethane	93	5.810	5.798	0.012	85	29978	1.02	
67 1,4-Dioxane	88	5.810	5.810	0.0	44	27535	55.1	
68 Dichlorobromomethane	83	5.928	5.928	0.0	94	57623	0.9530	
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	82	50671	1.75	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	83	66977	0.8973	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.437	0.0	92	87243	1.97	
73 Toluene	91	6.626	6.626	0.0	97	217546	0.9898	
74 trans-1,3-Dichloropropene	75	6.804	6.804	0.0	87	56453	0.9066	
75 Ethyl methacrylate	69	6.875	6.875	0.0	84	48665	0.8506	
76 1,1,2-Trichloroethane	97	6.970	6.970	0.0	84	46213	1.04	
77 1,3-Dichloropropane	76	7.123	7.123	0.0	87	81372	1.04	
78 Tetrachloroethene	164	7.135	7.135	0.0	85	41923	1.06	
79 2-Hexanone	43	7.183	7.183	0.0	91	49559	1.84	
81 Chlorodibromomethane	129	7.336	7.336	0.0	82	38720	0.8960	
83 Ethylene Dibromide	107	7.455	7.455	0.0	78	44106	1.02	
85 Chlorobenzene	112	7.904	7.904	0.0	92	142728	1.03	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.975	0.0	77	49287	1.02	
87 Ethylbenzene	106	8.011	8.011	0.0	96	63081	0.9074	
88 m-Xylene & p-Xylene	106	8.117	8.117	0.0	99	162535	1.84	
89 o-Xylene	106	8.496	8.496	0.0	90	79587	0.9203	
90 Styrene	104	8.496	8.508	-0.012	89	117552	0.8470	
91 Bromoform	173	8.685	8.685	0.0	85	23746	0.9078	
92 Isopropylbenzene	105	8.851	8.851	0.0	93	175027	0.9008	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.111	0.0	85	59590	1.07	
96 Bromobenzene	156	9.147	9.147	0.0	88	54065	0.9739	
97 1,2,3-Trichloropropane	110	9.159	9.159	0.0	65	18732	1.04	
98 trans-1,4-Dichloro-2-butene	53	9.171	9.170	0.0	51	9151	1.24	
99 N-Propylbenzene	120	9.242	9.241	0.001	94	44296	0.9031	
100 2-Chlorotoluene	126	9.336	9.336	0.0	96	47028	0.9540	
101 1,3,5-Trimethylbenzene	105	9.407	9.407	0.0	90	137475	0.9094	
102 4-Chlorotoluene	126	9.431	9.431	0.0	96	49320	0.9390	
103 tert-Butylbenzene	119	9.738	9.738	0.0	78	108234	0.8720	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	89	138495	0.8860	
105 sec-Butylbenzene	105	9.951	9.951	0.0	85	148343	0.9380	
106 1,3-Dichlorobenzene	146	10.070	10.070	0.0	94	105483	1.06	
107 4-Isopropyltoluene	119	10.093	10.093	0.0	93	114936	0.8647	
108 1,4-Dichlorobenzene	146	10.153	10.153	0.0	90	114122	1.06	
110 n-Butylbenzene	91	10.496	10.496	0.0	93	95124	0.9040	
111 1,2-Dichlorobenzene	146	10.519	10.519	0.0	93	103573	1.04	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 1,2-Dibromo-3-Chloropropane	157	11.289	11.289	0.0	37	9302	0.99	
113 1,3,5-Trichlorobenzene	180	11.513	11.513	0.0	89	60345	1.09	
114 1,2,4-Trichlorobenzene	180	12.129	12.129	0.0	79	52456	1.04	
115 Hexachlorobutadiene	225	12.306	12.306	0.0	82	24195	0.8043	
116 Naphthalene	128	12.365	12.377	-0.012	99	138144	0.8961	
117 1,2,3-Trichlorobenzene	180	12.626	12.626	0.0	94	57614	1.05	
S 119 Trihalomethanes, Total	1				0		3.80	
S 120 1,2-Dichloroethene, Total	96				0		2.04	
S 121 1,3-Dichloropropene, Total	75				0		1.80	
S 122 Xylenes, Total	106				0		2.76	

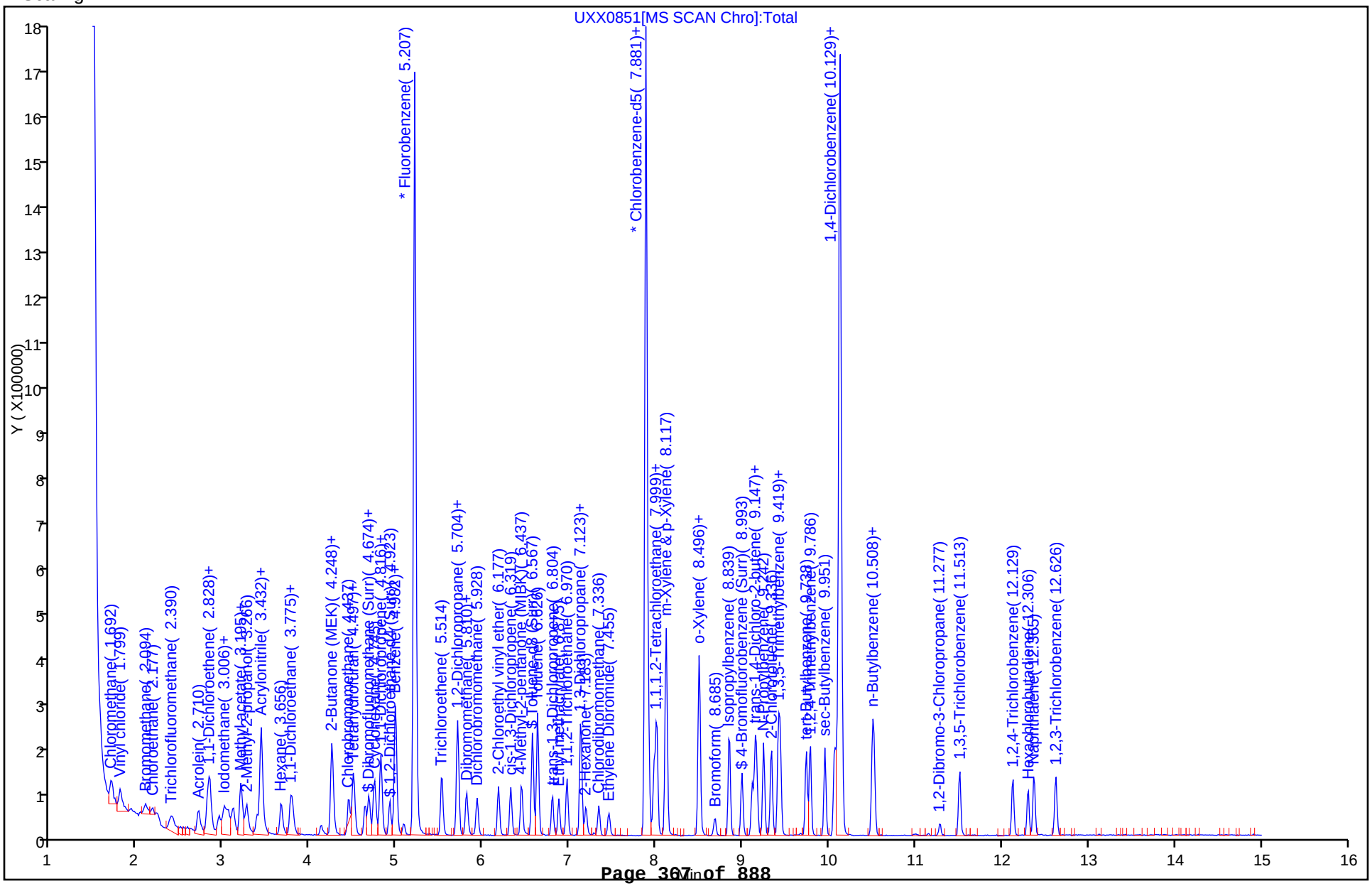
Report Date: 14-Nov-2012 12:22:58 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0851.D

Injection Date:	12-Nov-2012 17:02:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 17:24 Calibration End Date: 11/12/2012 19:16 Calibration ID: 12293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-64678/13	UXX0857.D
Level 2	STDA9 240-64678/12	UXX0856.D
Level 3	STDA9 240-64678/11	UXX0855.D
Level 4	STDA9 240-64678/10	UXX0854.D
Level 5	STDA9 240-64678/9	UXX0853.D
Level 6	STDA9 240-64678/8	UXX0852.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.4820 0.3960	0.4881	0.4094	0.3861	0.4061	Ave		0.4280				11.0		15.0			
Ethyl ether	0.2464 0.2460	0.2704	0.2574	0.2436	0.2508	Ave		0.2524				4.0		15.0			
3-Chloro-1-propene	0.1463 0.1615	0.1640	0.1489	0.1462	0.1583	Ave		0.1542				5.2		15.0			
Isopropyl ether	0.2734 0.3044	0.2919	0.2900	0.2782	0.2967	Ave		0.2891				4.0		15.0			
2-Chloro-1,3-butadiene	0.3936 0.4156	0.4157	0.4169	0.3934	0.4171	Ave		0.4087				2.9		15.0			
Tert-butyl ethyl ether	0.8271 0.8941	0.8690	0.8655	0.8307	0.8866	Ave		0.8622				3.2		15.0			
Propionitrile	0.0372 0.0424	0.0411	0.0402	0.0409	0.0400	Ave		0.0403				4.3		15.0			
Ethyl acetate	0.2670 0.2681	0.2539	0.2565	0.2522	0.2647	Ave		0.2604				2.7		15.0			
Methacrylonitrile	0.1718 0.1761	0.1669	0.1710	0.1707	0.1769	Ave		0.1722				2.2		15.0			
Isobutyl alcohol	0.0121 0.0124	0.0145	0.0139	0.0132	0.0132	Ave		0.0132				6.7		15.0			
Tert-amyl methyl ether	0.7160 0.8471	0.7448	0.7861	0.7709	0.8222	Ave		0.7812				6.2		15.0			
n-Heptane	0.0413 0.0405	0.0433	0.0442	0.0415	0.0432	Ave		0.0424				3.4		15.0			
n-Butanol	0.0097 0.0108	0.0112	0.0112	0.0118	0.0124	Ave		0.0112				8.2		15.0			
Methyl methacrylate	0.1958 0.2339	0.1965	0.2057	0.2090	0.2260	Ave		0.2112				7.4		15.0			
2-Nitropropane	0.0431 0.0564	0.0461	0.0467	0.0460	0.0529	Ave		0.0485				10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 17:24 Calibration End Date: 11/12/2012 19:16 Calibration ID: 12293

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.1010 0.0958	0.1154	0.1132	0.1208	0.1173	Ave		0.1106				8.9		15.0			
1,2,3-Trimethylbenzene	2.2775 3.0396	2.5201	2.7349	2.7663	3.1094	Ave		2.7413				11.0		15.0			
2-Methylnaphthalene	1.1719 +++++	1.5195	1.5032	1.4987	1.2007	Ave		1.3788				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 17:24 Calibration End Date: 11/12/2012 19:16 Calibration ID: 12293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-64678/13	UXX0857.D
Level 2	STDA9 240-64678/12	UXX0856.D
Level 3	STDA9 240-64678/11	UXX0855.D
Level 4	STDA9 240-64678/10	UXX0854.D
Level 5	STDA9 240-64678/9	UXX0853.D
Level 6	STDA9 240-64678/8	UXX0852.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	80460 2850971	164725	356024	712254	1482330	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl ether	FB	Ave	41138 1771077	91256	223860	449359	915505	1.00 40.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	24425 1162812	55345	129440	269645	577928	1.00 40.0	2.00	5.00	10.0	20.0
Isopropyl ether	FB	Ave	228181 10955114	492531	1260700	2565660	5414567	5.00 200	10.0	25.0	50.0	100
2-Chloro-1,3-butadiene	FB	Ave	65705 2991997	140291	362511	725705	1522542	1.00 40.0	2.00	5.00	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	138066 6436168	293270	752623	1532406	3236247	1.00 40.0	2.00	5.00	10.0	20.0
Propionitrile	FB	Ave	12432 610118	27715	69934	150931	292320	2.00 80.0	4.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	89127 3860208	171365	446141	930357	1932724	2.00 80.0	4.00	10.0	20.0	40.0
Methacrylonitrile	FB	Ave	28684 1267693	56328	148682	314882	645704	1.00 40.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	CBZ	Ave	26069 1171509	63194	159758	320091	622869	20.0 800	40.0	100	200	400
Tert-amyl methyl ether	FB	Ave	119519 6097885	251377	683604	1421979	3001391	1.00 40.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Ave	6900 291851	14617	38476	76535	157782	1.00 40.0	2.00	5.00	10.0	20.0
n-Butanol	CBZ	Ave	20848 1022178	48741	128789	285095	583521	20.0 800	40.0	100	200	400
Methyl methacrylate	FB	Ave	32693 1684004	66318	178849	385468	825080	1.00 40.0	2.00	5.00	10.0	20.0
2-Nitropropane	FB	Ave	14400 811606	31128	81277	169611	386536	2.00 80.0	4.00	10.0	20.0	40.0
Cyclohexanone	DCB	Ave	53736 2293716	128051	322361	730245	1427988	10.0 400	20.0	50.0	100	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64678

SDG No.:

Instrument ID: A3UX10 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2012 17:24 Calibration End Date: 11/12/2012 19:16 Calibration ID: 12293

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trimethylbenzene	DCB	Ave	121230 7276258	279664	779019	1672368	3786861	1.00 40.0	2.00	5.00	10.0	20.0
2-Methylnaphthalene	DCB	Ave	124754 +++++	337237	856345	1812094	2924495	2.00 +++++	4.00	10.0	20.0	40.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0852.D		
Lims ID:	STDA9 L6	Client ID:	
Inject. Date:	12-Nov-2012 17:24:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0014871-008		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	64678	Lims Sample ID:	8
Sublist:	chrom-8260_10*sub2		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:22:59	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		
First Level Reviewer: quayler		Date:	13-Nov-2012 08:45:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.207	-0.002	98	1799703	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.881	-0.003	84	1178574	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	93	598446	10.0	
18 Dichlorofluoromethane	67	2.328	2.329	-0.001	98	2850971	37.0	
20 Ethyl ether	59	2.600	2.601	-0.001	88	1771077	39.0	
29 3-Chloro-1-propene	76	3.097	3.098	-0.001	94	1162812	41.9	
39 Isopropyl ether	87	3.819	3.820	-0.001	78	10955114	210.6	
40 2-Chloro-1,3-butadiene	53	3.855	3.855	0.0	81	2991997	40.7	
41 Tert-butyl ethyl ether	59	4.115	4.127	-0.012	97	6436168	41.5	
45 Propionitrile	54	4.281	4.281	0.0	97	610118	84.1	
46 Ethyl acetate	43	4.281	4.293	-0.012	99	3860208	82.4	
47 Methacrylonitrile	41	4.411	4.411	0.0	92	1267693	40.9	
55 Isobutyl alcohol	41	4.849	4.849	0.0	95	1171509	752.3	
58 Tert-amyl methyl ether	73	5.062	5.062	0.0	99	6097885	43.4	
59 n-Heptane	100	5.192	5.192	0.0	94	291851	38.3	
60 n-Butanol	56	5.405	5.405	0.0	87	1022178	776.8	
65 Methyl methacrylate	41	5.783	5.784	-0.001	89	1684004	44.3	
69 2-Nitropropane	41	6.115	6.115	0.0	97	811606	92.9	
80 n-Butyl acetate	56	7.298	7.299	-0.001	97	2510793	0	
94 Cyclohexanone	55	8.931	8.932	-0.001	90	2293716	346.7	
109 1,2,3-Trimethylbenzene	105	10.197	10.198	-0.001	98	7276258	44.4	
118 2-Methylnaphthalene	142	13.676	13.677	-0.001	100	2458220	29.8	

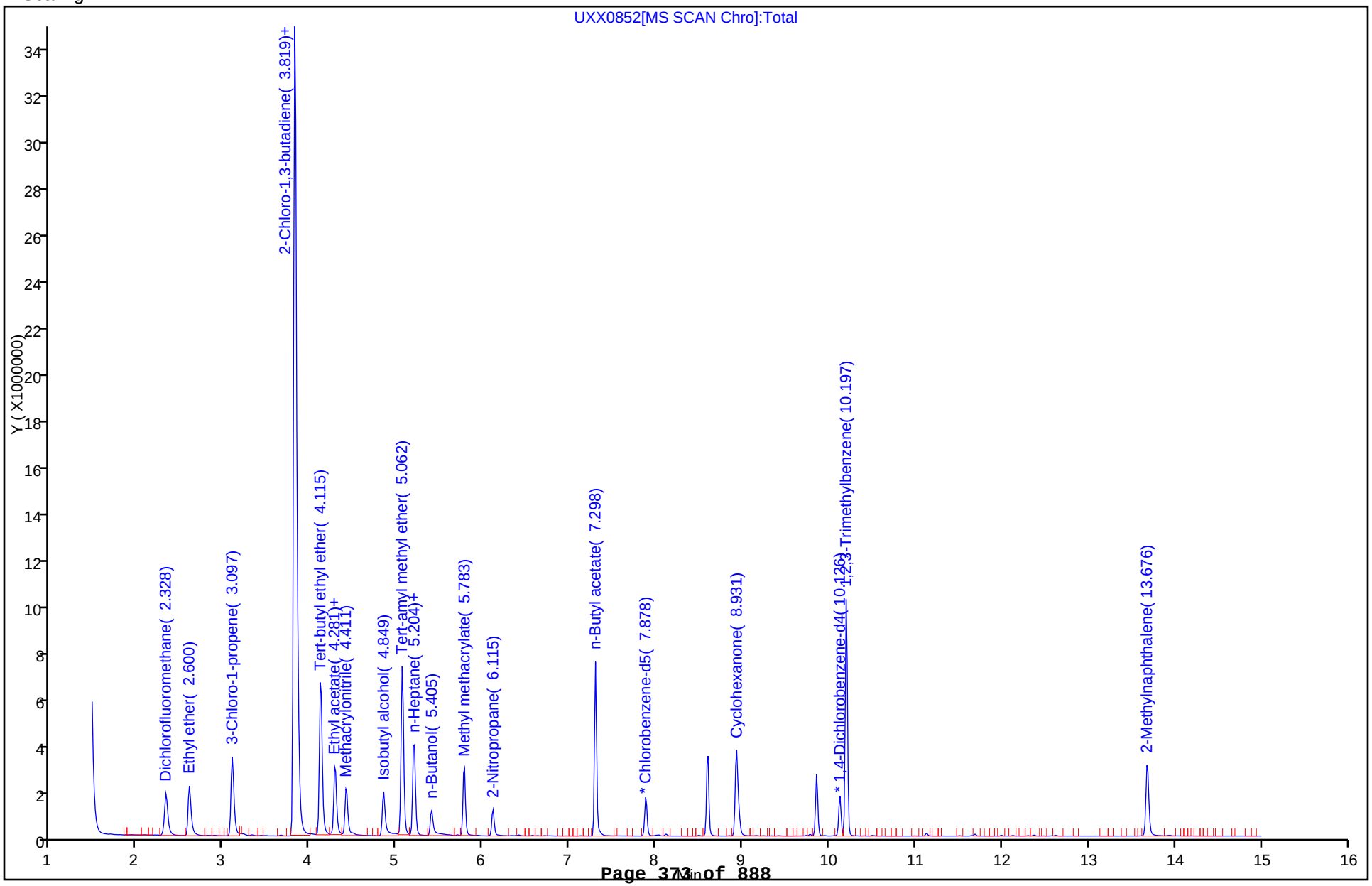
Report Date: 14-Nov-2012 12:22:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0852.D

Injection Date:	12-Nov-2012 17:24:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	8
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0853.D		
Lims ID:	STDA9 L5	Client ID:	
Inject. Date:	12-Nov-2012 17:46:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014871-009		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	64678	Lims Sample ID:	9
Sublist:	chrom-8260_10*sub2		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:23:00	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.207	0.001	98	1825158	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	82	1180628	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.130	10.129	0.001	93	608930	10.0	
18 Dichlorofluoromethane	67	2.332	2.329	0.003	83	1482330	19.0	
20 Ethyl ether	59	2.604	2.601	0.003	88	915505	19.9	
29 3-Chloro-1-propene	76	3.101	3.098	0.003	92	577928	20.5	
39 Isopropyl ether	87	3.823	3.820	0.003	96	5414567	102.6	
40 2-Chloro-1,3-butadiene	53	3.846	3.855	-0.009	86	1522542	20.4	
41 Tert-butyl ethyl ether	59	4.118	4.127	-0.009	97	3236247	20.6	
45 Propionitrile	54	4.284	4.281	0.003	99	292320	39.7	
46 Ethyl acetate	43	4.284	4.293	-0.009	99	1932724	40.7	
47 Methacrylonitrile	41	4.414	4.411	0.003	92	645704	20.5	
55 Isobutyl alcohol	41	4.840	4.849	-0.009	94	622869	399.3	
58 Tert-amyl methyl ether	73	5.065	5.062	0.003	98	3001391	21.1	
59 n-Heptane	100	5.195	5.192	0.003	91	157782	20.4	
60 n-Butanol	56	5.396	5.405	-0.009	89	583521	442.7	
65 Methyl methacrylate	41	5.775	5.784	-0.009	90	825080	21.4	
69 2-Nitropropane	41	6.106	6.115	-0.009	98	386536	43.6	
80 n-Butyl acetate	56	7.302	7.299	0.003	97	1224701	0	
94 Cyclohexanone	55	8.923	8.932	-0.009	91	1427988	212.1	
109 1,2,3-Trimethylbenzene	105	10.201	10.198	0.003	98	3786861	22.7	
118 2-Methylnaphthalene	142	13.679	13.677	0.002	100	2924495	34.8	

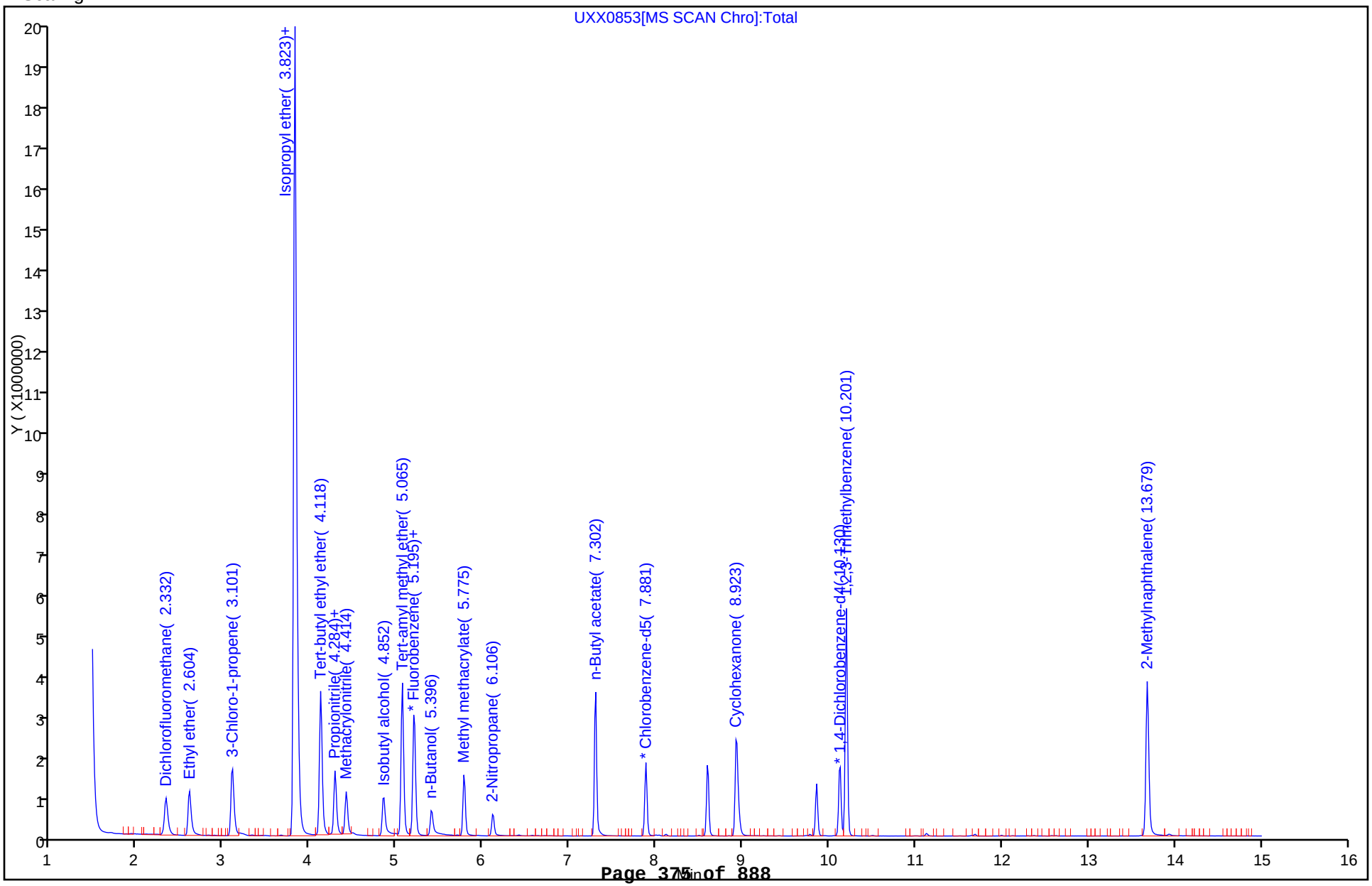
Report Date: 14-Nov-2012 12:23:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0853.D

Injection Date:	12-Nov-2012 17:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	9
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0854.D
Lims ID: STDA9 L4 Client ID:
Inject. Date: 12-Nov-2012 18:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0014871-010
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 64678 Lims Sample ID: 10
Sublist: chrom-8260_10*sub2
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:23:00 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	98	1844671	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	84	1211006	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.127	0.0	93	604557	10.0	
18 Dichlorofluoromethane	67	2.329	2.329	0.0	97	712254	9.02	
20 Ethyl ether	59	2.601	2.601	0.0	89	449359	9.65	
29 3-Chloro-1-propene	76	3.098	3.098	0.0	92	269645	9.48	
39 Isopropyl ether	87	3.820	3.820	0.0	95	2565660	48.1	
40 2-Chloro-1,3-butadiene	53	3.855	3.855	0.0	74	725705	9.63	
41 Tert-butyl ethyl ether	59	4.127	4.127	0.0	97	1532406	9.64	
45 Propionitrile	54	4.281	4.281	0.0	95	150931	20.3	
46 Ethyl acetate	43	4.293	4.293	0.0	99	930357	19.4	
47 Methacrylonitrile	41	4.411	4.411	0.0	91	314882	9.91	
55 Isobutyl alcohol	41	4.849	4.849	0.0	94	320091	200.1	
58 Tert-amyl methyl ether	73	5.062	5.062	0.0	98	1421979	9.87	
59 n-Heptane	100	5.192	5.192	0.0	90	76535	9.80	
60 n-Butanol	56	5.405	5.405	0.0	87	285095	210.9	
65 Methyl methacrylate	41	5.784	5.784	0.0	89	385468	9.90	
69 2-Nitropropane	41	6.115	6.115	0.0	97	169611	18.9	
80 n-Butyl acetate	56	7.299	7.299	0.0	97	558077	0	
94 Cyclohexanone	55	8.932	8.932	0.0	90	730245	109.2	
109 1,2,3-Trimethylbenzene	105	10.198	10.198	0.0	98	1672368	10.1	
118 2-Methylnaphthalene	142	13.677	13.677	0.0	100	1812094	21.7	

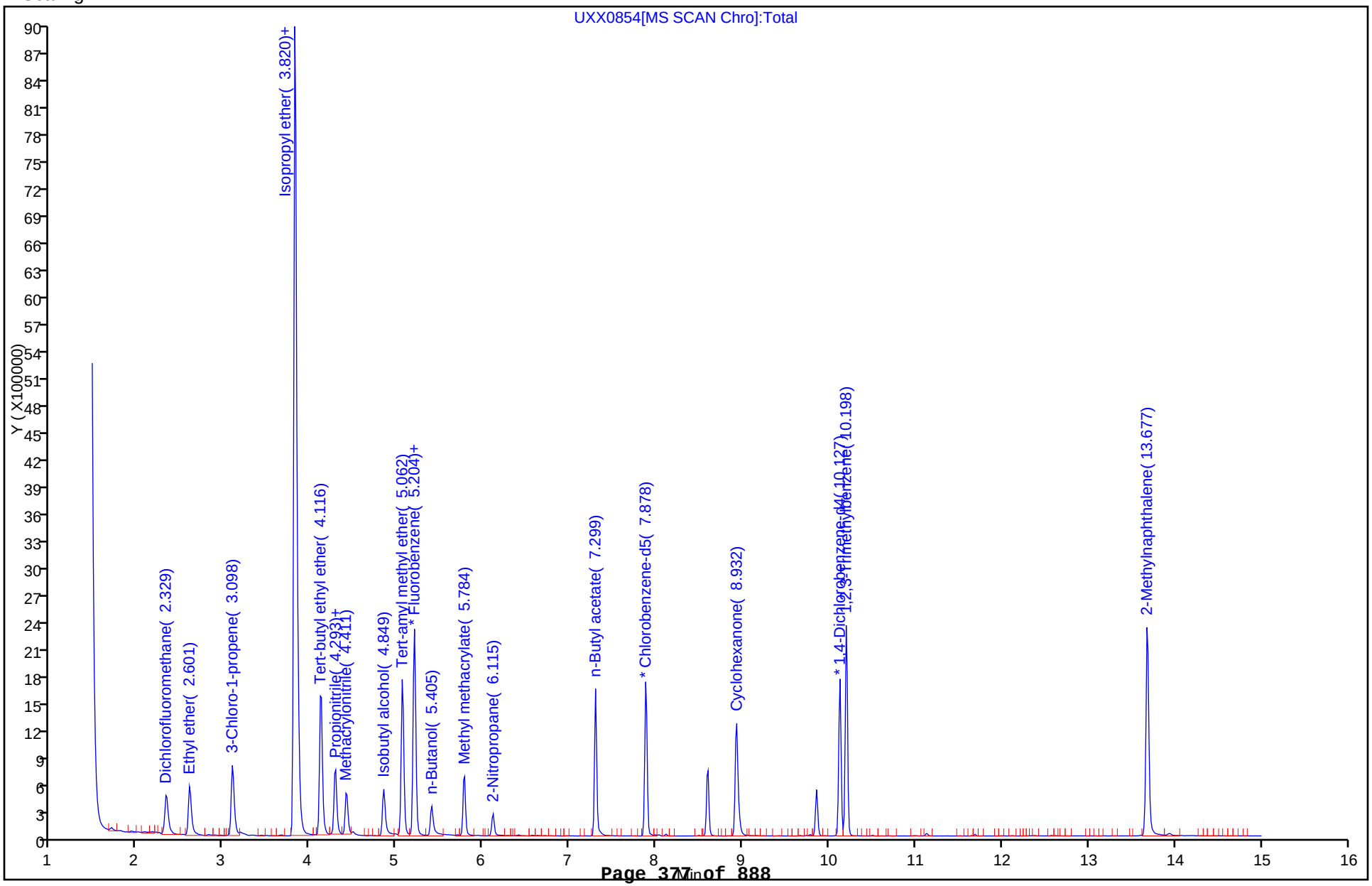
Report Date: 14-Nov-2012 12:23:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0854.D

Injection Date:	12-Nov-2012 18:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	10
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0855.D		
Lims ID:	STDA9 L3	Client ID:	
Inject. Date:	12-Nov-2012 18:31:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0014871-011		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	10
Lims Batch ID:	64678	Lims Sample ID:	11
Sublist:	chrom-8260_10*sub2		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:23:01	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.204	0.0	98	1739128	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.878	0.0	83	1150642	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	94	569678	10.0	
18 Dichlorofluoromethane	67	2.328	2.329	-0.001	82	356024	4.78	
20 Ethyl ether	59	2.601	2.601	0.0	88	223860	5.10	
29 3-Chloro-1-propene	76	3.098	3.098	0.0	91	129440	4.83	
39 Isopropyl ether	87	3.819	3.820	-0.001	94	1260700	25.1	
40 2-Chloro-1,3-butadiene	53	3.855	3.855	0.0	89	362511	5.10	
41 Tert-butyl ethyl ether	59	4.115	4.127	-0.012	97	752623	5.02	
45 Propionitrile	54	4.281	4.281	0.0	39	69934	9.98	
46 Ethyl acetate	43	4.293	4.293	0.0	99	446141	9.85	
47 Methacrylonitrile	41	4.411	4.411	0.0	90	148682	4.96	
55 Isobutyl alcohol	41	4.849	4.849	0.0	92	159758	105.1	
58 Tert-amyl methyl ether	73	5.062	5.062	0.0	97	683604	5.03	
59 n-Heptane	100	5.192	5.192	0.0	86	38476	5.22	
60 n-Butanol	56	5.405	5.405	0.0	90	128789	100.2	
65 Methyl methacrylate	41	5.772	5.784	-0.012	89	178849	4.87	
69 2-Nitropropane	41	6.115	6.115	0.0	99	81277	9.63	
80 n-Butyl acetate	56	7.298	7.299	-0.001	97	256809	0	
94 Cyclohexanone	55	8.931	8.932	-0.001	90	322361	51.2	
109 1,2,3-Trimethylbenzene	105	10.197	10.198	-0.001	98	779019	4.99	
118 2-Methylnaphthalene	142	13.688	13.677	0.011	100	856345	10.9	

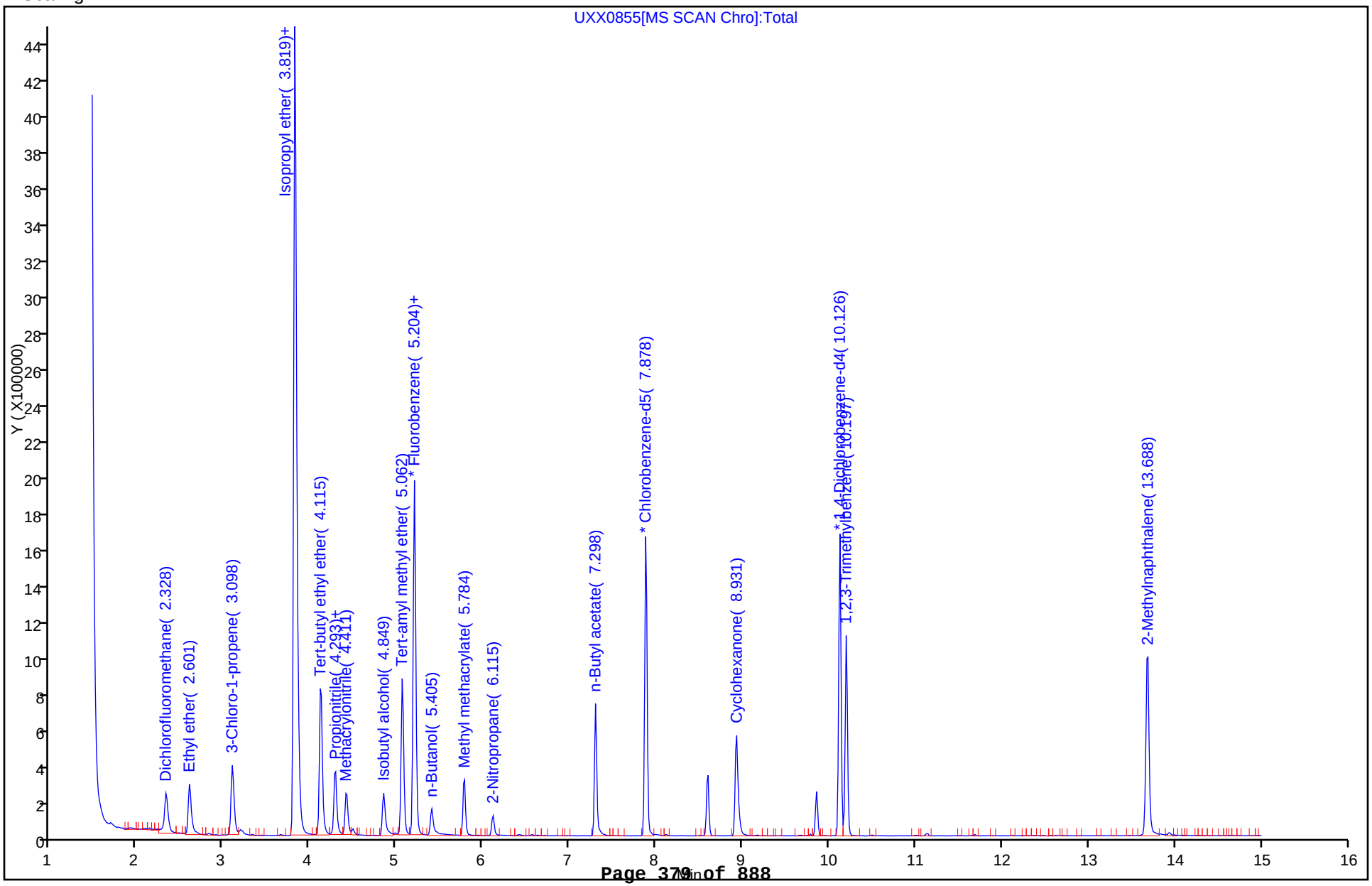
Report Date: 14-Nov-2012 12:23:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0855.D

Injection Date:	12-Nov-2012 18:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	11
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0856.D		
Lims ID:	STDA9 L2	Client ID:	
Inject. Date:	12-Nov-2012 18:53:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014871-012		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	11
Lims Batch ID:	64678	Lims Sample ID:	12
Sublist:	chrom-8260_10*sub2		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:23:02	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.204	0.003	99	1687438	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.878	0.003	84	1091451	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	0.002	93	554865	10.0	
18 Dichlorofluoromethane	67	2.331	2.329	0.002	95	164725	2.28	
20 Ethyl ether	59	2.604	2.601	0.003	87	91256	2.14	
29 3-Chloro-1-propene	76	3.101	3.098	0.003	90	55345	2.13	
39 Isopropyl ether	87	3.822	3.820	0.002	94	492531	10.1	
40 2-Chloro-1,3-butadiene	53	3.846	3.855	-0.009	83	140291	2.03	
41 Tert-butyl ethyl ether	59	4.118	4.127	-0.009	95	293270	2.02	
45 Propionitrile	54	4.284	4.281	0.003	34	27715	4.07	
46 Ethyl acetate	43	4.284	4.293	-0.009	98	171365	3.90	
47 Methacrylonitrile	41	4.414	4.411	0.003	88	56328	1.94	
55 Isobutyl alcohol	41	4.852	4.849	0.003	91	63194	43.8	
58 Tert-amyl methyl ether	73	5.065	5.062	0.003	96	251377	1.91	
59 n-Heptane	100	5.195	5.192	0.003	87	14617	2.05	
60 n-Butanol	56	5.408	5.405	0.003	90	48741	40.0	
65 Methyl methacrylate	41	5.775	5.784	-0.009	92	66318	1.86	
69 2-Nitropropane	41	6.106	6.115	-0.009	95	31128	3.80	
80 n-Butyl acetate	56	7.301	7.299	0.002	96	86946	0	
94 Cyclohexanone	55	8.922	8.932	-0.010	91	128051	20.9	
109 1,2,3-Trimethylbenzene	105	10.200	10.198	0.002	96	279664	1.84	
118 2-Methylnaphthalene	142	13.679	13.677	0.002	100	337237	4.41	

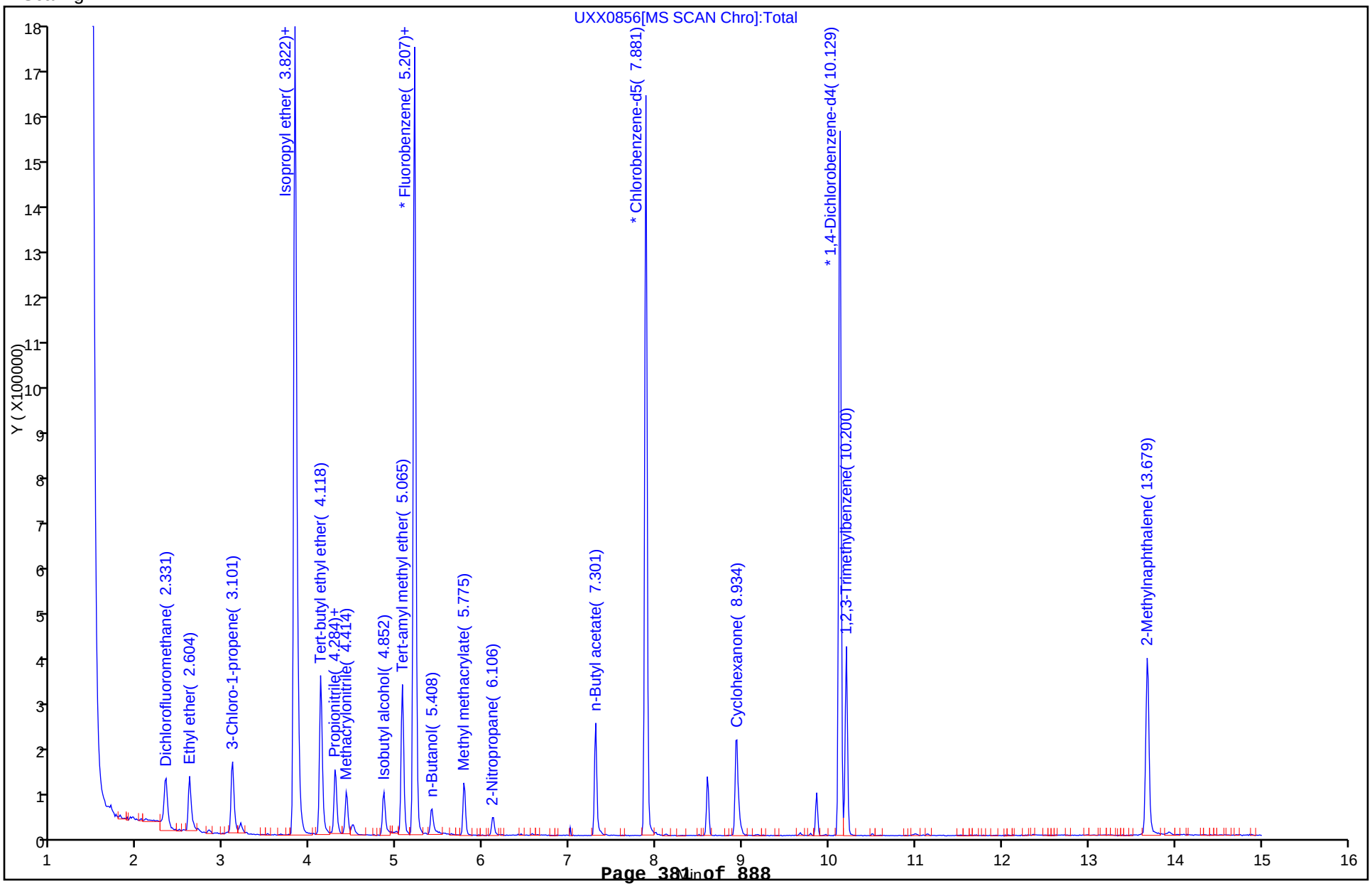
Report Date: 14-Nov-2012 12:23:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0856.D

Injection Date:	12-Nov-2012 18:53:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	12
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Lims ID:	STDA9 L1	Client ID:	
Inject. Date:	12-Nov-2012 19:16:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014871-013		
Misc. Info.:	P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	12
Lims Batch ID:	64678	Lims Sample ID:	13
Sublist:	chrom-8260_10*sub2		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:23:03	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		
First Level Reviewer: quayler		Date:	13-Nov-2012 08:55:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.207	5.204	0.003	99	1669342	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.878	0.003	85	1078623	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.127	0.002	93	532286	10.0	
18 Dichlorofluoromethane	67	2.331	2.329	0.002	85	80460	1.13	
20 Ethyl ether	59	2.604	2.601	0.003	85	41138	0.9762	
29 3-Chloro-1-propene	76	3.100	3.098	0.002	87	24425	0.9489	
39 Isopropyl ether	87	3.822	3.820	0.002	93	228181	4.73	
40 2-Chloro-1,3-butadiene	53	3.846	3.855	-0.009	76	65705	0.9630	
41 Tert-butyl ethyl ether	59	4.118	4.127	-0.009	96	138066	0.9593	
45 Propionitrile	54	4.284	4.281	0.003	26	12432	1.85	
46 Ethyl acetate	43	4.284	4.293	-0.009	94	89127	2.05	
47 Methacrylonitrile	41	4.414	4.411	0.003	81	28684	1.00	
55 Isobutyl alcohol	41	4.852	4.849	0.003	77	26069	18.3	
58 Tert-amyl methyl ether	73	5.065	5.062	0.003	95	119519	0.9165	
59 n-Heptane	100	5.195	5.192	0.003	74	6900	0.9758	
60 n-Butanol	56	5.408	5.405	0.003	74	20848	17.3	
65 Methyl methacrylate	41	5.775	5.784	-0.009	81	32693	0.9275	
69 2-Nitropropane	41	6.106	6.115	-0.009	88	14400	1.78	
80 n-Butyl acetate	56	7.301	7.299	0.002	97	39843	0	
94 Cyclohexanone	55	8.922	8.932	-0.010	88	53736	9.13	
109 1,2,3-Trimethylbenzene	105	10.200	10.198	0.002	87	121230	0.8308	
118 2-Methylnaphthalene	142	13.679	13.677	0.002	97	124754	1.70	

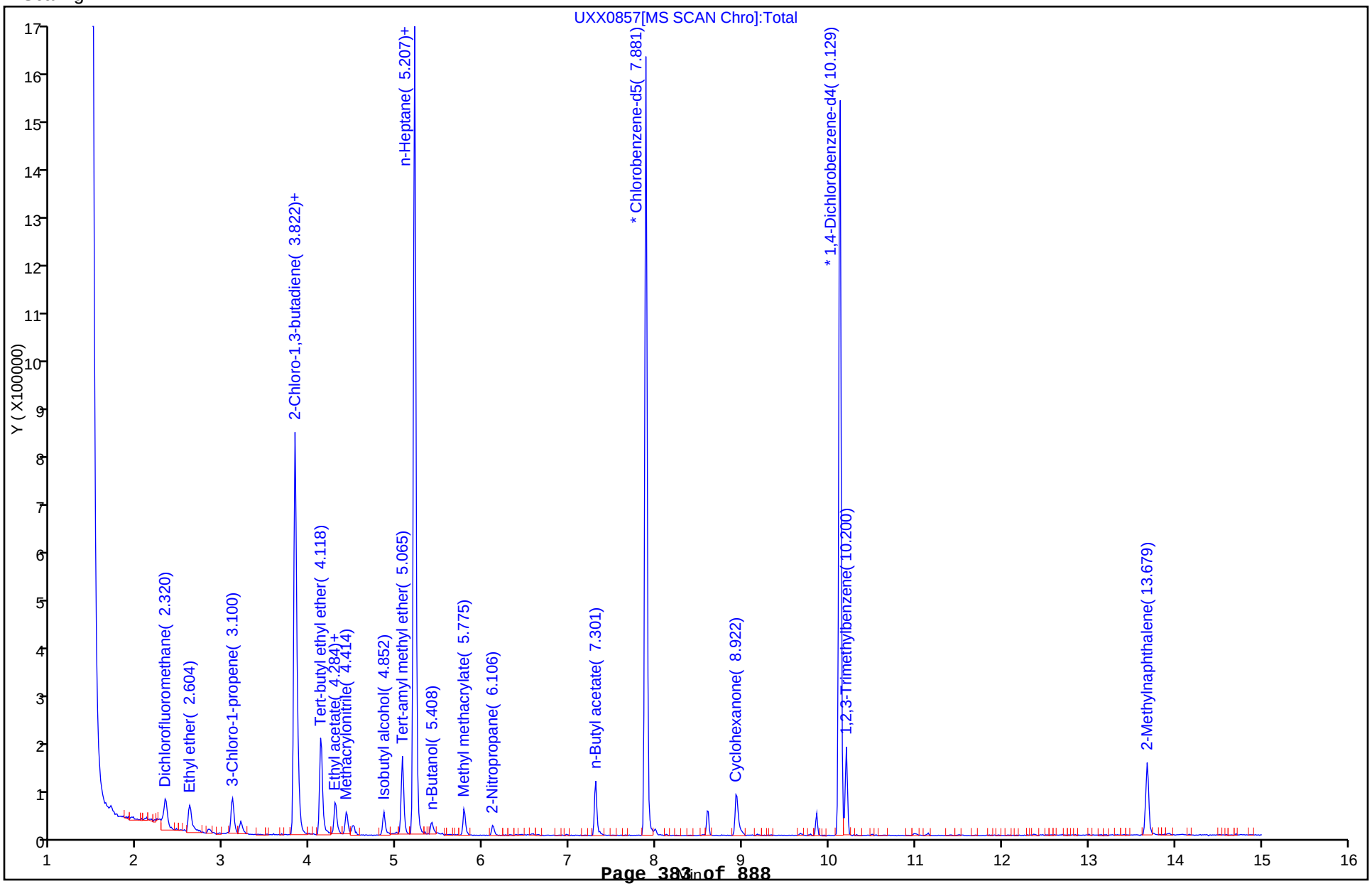
Report Date: 14-Nov-2012 12:23:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D

Injection Date:	12-Nov-2012 19:16:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	13
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-66063/11	149377.D
Level 2	IC 240-66063/10	149376.D
Level 3	IC 240-66063/9	149375.D
Level 4	IC 240-66063/8	149374.D
Level 5	IC 240-66063/7	149373.D
Level 6	ICIS 240-66063/6	149372.D
Level 7	IC 240-66063/5	149371.D
Level 8	IC 240-66063/4	149370.D
Level 9	IC 240-66063/3	149369.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2211 0.2802	0.2329 0.2890	0.3170 0.2764	0.2834 0.2961	0.2917	Ave		0.2764			0.1000	11.0		15.0			
Chloromethane	0.5175 0.4851	0.4830 0.5021	0.5373 0.4773	0.4747 0.4790	0.5071	Ave		0.4959			0.1000	4.3		15.0			
Vinyl chloride	0.3288 0.3677	0.3379 0.3907	0.4093 0.3758	0.3704 0.3794	0.3855	Ave		0.3717			0.1000	6.8		15.0			
Bromomethane	+++++ 0.0987	+++++ 0.1055	0.1135 0.1012	0.1079 0.1049	0.1093	Ave		0.1059			0.0500	4.7		15.0			
Chloroethane	0.1916 0.1833	0.1738 0.1860	0.1970 0.1772	0.1855 0.1797	0.1899	Ave		0.1849				4.0		15.0			
Trichlorofluoromethane	+++++ 0.2965	+++++ 0.3208	0.2630 0.3206	0.2559 0.3450	0.2924	Ave		0.2992			0.1000	11.0		15.0			
Acrolein	0.0391 0.0369	0.0357 0.0362	0.0361 0.0381	0.0368 0.0367	0.0371	Ave		0.0370				2.8		15.0			
1,1-Dichloroethene	+++++ 0.2316	+++++ 0.2298	0.2217 0.2253	0.2175 0.2321	0.2278	Ave		0.2265			0.1000	2.4		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2115	+++++ 0.2134	0.2226 0.2044	0.2011 0.2138	0.2116	Ave		0.2112			0.0500	3.3		15.0			
Acetone	0.3151 0.0755	0.1774 0.0768	0.1209 0.0733	0.0982 0.0721	0.0825	Lin1	0.4698	0.0720			0.0500				1.0000		0.9950
Iodomethane	0.3690 0.3991	0.3562 0.4019	0.3829 0.4017	0.3760 0.4035	0.3965	Ave		0.3874				4.4		15.0			
Carbon disulfide	+++++ 0.5469	+++++ 0.5962	0.3821 0.6336	0.3993	0.4910	Lin1	-1.805	0.6240			0.1000				0.9970		0.9950
Acetonitrile	0.0290 0.0256	0.0278 0.0262	0.0321 0.0255	0.0284 0.0278	0.0272	Ave		0.0277				7.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Methyl acetate	0.2955 0.2326	0.2432 0.2275	0.2276 0.2271	0.2352 0.2198	0.2282	Ave		0.2374			0.1000	9.6		15.0			
Methylene Chloride	+++++ 0.2676	+++++ 0.2513	0.4218 0.2442	0.3221 0.2419	0.2894	Lin1	0.9176	0.2402			0.1000				1.0000		0.9950
2-Methyl-2-propanol	0.0195 0.0144	0.0142 0.0153	0.0155 0.0150	0.0147 0.0170	0.0144	Ave		0.0156				11.0		15.0			
Acrylonitrile	0.1124 0.1059	0.1095 0.1063	0.1054 0.1054	0.1104 0.1016	0.1071	Ave		0.1071				3.0		15.0			
trans-1,2-Dichloroethene	0.2500 0.2825	0.2586 0.2690	0.2613 0.2721	0.2678 0.2659	0.2764	Ave		0.2671			0.1000	3.6		15.0			
Methyl tert-butyl ether	0.5879 0.6053	0.5534 0.5979	0.5429 0.6135	0.5540 0.5912	0.5675	Ave		0.5793			0.1000	4.4		15.0			
Hexane	+++++ 0.0749	+++++ 0.0715	0.0733 0.0698	0.0716 0.0706	0.0727	Ave		0.0721				2.4		15.0			
1,1-Dichloroethane	0.5775 0.6136	0.5573 0.5935	0.5688 0.6088	0.5702 0.6045	0.5958	Ave		0.5878			0.1000	3.4		15.0			
Vinyl acetate	+++++ 0.0319	+++++ 0.0333	0.0247 0.0333	0.0260 0.0318	0.0295	Ave		0.0301				12.0		15.0			
2,2-Dichloropropane	+++++ 0.2101	+++++ 0.2115	0.1668 0.2170	0.1820 0.2082	0.2085	Ave		0.2006				9.3		15.0			
cis-1,2-Dichloroethene	0.2933 0.2981	0.2874 0.2864	0.2810 0.2889	0.2833 0.2831	0.2848	Ave		0.2874			0.1000	1.9		15.0			
2-Butanone (MEK)	+++++ 0.1186	+++++ 0.1246	0.1274 0.1210	0.1248 0.1197	0.1204	Ave		0.1223			0.0500	2.6		15.0			
Bromochloromethane	0.1373 0.1375	0.1282 0.1324	0.1267 0.1342	0.1264 0.1303	0.1316	Ave		0.1316				3.2		15.0			
Tetrahydrofuran	0.0787 0.0801	0.0846 0.0802	0.0822 0.0812	0.0754 0.0776	0.0784	Ave		0.0798				3.4		15.0			
Chloroform	0.4419 0.4772	0.4339 0.4655	0.4351 0.4750	0.4497 0.4703	0.4621	Ave		0.4567				3.7		15.0			
1,1,1-Trichloroethane	+++++ 0.3612	+++++ 0.3641	0.2973 0.3693	0.3084 0.3668	0.3421	Ave		0.3442			0.1000	8.6		15.0			
Cyclohexane	+++++ 0.7605	+++++ 0.7585	0.7425 0.7421	0.7192 0.7643	0.7419	Ave		0.7470			0.1000	2.1		15.0			
1,1-Dichloropropene	0.3387 0.3972	0.3147 0.3813	0.3663 0.3800	0.3719 0.3805	0.3837	Ave		0.3682				7.0		15.0			
Carbon tetrachloride	+++++ 0.3408	+++++ 0.3484	0.2421 0.3548	0.2675 0.3616	0.3078	Lin1	-0.765	0.3601			0.1000				1.0000		0.9950
Benzene	1.0597 1.0537	1.0347 1.0277	1.0079 1.0382	1.0024 1.0371	1.0221	Ave		1.0315			0.5000	1.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichloroethane	0.4342 0.4291	0.4354 0.4200	0.4276 0.4229	0.4181 0.4188	0.4193	Ave		0.4250			0.1000	1.6		15.0			
Trichloroethene	0.2715 0.3108	0.2672 0.3033	0.2947 0.3008	0.2891 0.3051	0.3014	Ave		0.2938			0.2000	5.2		15.0			
Methylcyclohexane	+++++ 0.5343	+++++ 0.5255	0.5041 0.5115	0.5021 0.5151	0.5218	Ave		0.5164			0.1000	2.3		15.0			
1,2-Dichloropropane	0.2910 0.3184	0.2719 0.3164	0.2971 0.3163	0.2990 0.3218	0.3020	Ave		0.3038			0.1000	5.3		15.0			
Dibromomethane	0.1152 0.1256	0.1193 0.1248	0.1179 0.1235	0.1155 0.1235	0.1183	Ave		0.1204				3.3		15.0			
1,4-Dioxane	0.0016 0.0016	0.0012 0.0016	0.0016 0.0016	0.0016 0.0017	0.0016	Ave		0.0015				9.4		15.0			
Bromodichloromethane	+++++ 0.2747	+++++ 0.2926	0.1965 0.3031	0.2113 0.3065	0.2333	Lin1	-0.816	0.3051			0.1000				0.9990		0.9950
2-Chloroethyl vinyl ether	+++++ 0.1148	+++++ 0.1288	0.1062 0.1234	0.0972 0.1281	0.1047	Ave		0.1147				11.0		15.0			
cis-1,3-Dichloropropene	+++++ 0.3277	+++++ 0.3541	0.2241 0.3554	0.2436 0.3702	0.2789	Lin1	-1.031	0.3650			0.1500				0.9990		0.9950
4-Methyl-2-pentanone (MIBK)	0.3478 0.3995	0.3383 0.3933	0.3347 0.4023	0.3795 0.3776	0.3848	Ave		0.3731			0.0500	7.0		15.0			
Toluene	1.7223 1.7949	1.6485 1.7077	1.6526 1.7856	1.7530 1.7339	1.7533	Ave		1.7280			0.4000	3.0		15.0			
trans-1,3-Dichloropropene	+++++ 0.4287	+++++ 0.4497	0.2720 0.4788	0.3101 0.4698	0.3641	Lin1	-1.406	0.4743			0.1000				0.9990		0.9950
Ethyl methacrylate	+++++ 0.3471	+++++ 0.3616	0.2729 0.3650	0.2940 0.3594	0.3127	Ave		0.3304				11.0		15.0			
1,1,2-Trichloroethane	0.2496 0.2732	0.2465 0.2646	0.2538 0.2710	0.2621 0.2585	0.2619	Ave		0.2601			0.1000	3.5		15.0			
Tetrachloroethene	0.4200 0.3976	0.3371 0.3753	0.3653 0.3864	0.4002 0.3748	0.3916	Ave		0.3831			0.2000	6.2		15.0			
1,3-Dichloropropane	0.4907 0.4698	0.4733 0.4653	0.4355 0.4738	0.4597 0.4644	0.4584	Ave		0.4656				3.2		15.0			
2-Hexanone	0.2189 0.2232	0.2100 0.2382	0.2043 0.2327	0.2111 0.2314	0.2120	Ave		0.2202			0.0500	5.4		15.0			
Dibromochloromethane	+++++ 0.2908	+++++ 0.3090	0.1740 0.3429	0.2108 0.3348	0.2370	Lin1	-1.172	0.3364							0.9980		0.9950
1,2-Dibromoethane	0.2470 0.2722	0.2194 0.2726	0.2345 0.2756	0.2542 0.2681	0.2616	Ave		0.2561				7.5		15.0			
Chlorobenzene	1.1462 1.1163	1.1348 1.0972	1.0967 1.1170	1.0804 1.1144	1.0856	Ave		1.1099			0.3000	2.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	+++++ 0.3916	+++++ 0.3843	0.2781 0.4040	0.3242 0.3935	0.3540	Ave		0.3614				13.0		15.0			
Ethylbenzene	0.5486 0.6124	0.5518 0.5980	0.5622 0.6008	0.5855 0.6029	0.5858	Ave		0.5831				4.0		15.0			
m-Xylene & p-Xylene	0.6751 0.7445	0.6654 0.7257	0.6880 0.7330	0.7085 0.7372	0.7308	Ave		0.7120				4.1		15.0			
o-Xylene	0.6722 0.7219	0.6429 0.7007	0.6659 0.7022	0.6917 0.6871	0.7127	Ave		0.6886				3.6		15.0			
Styrene	0.8239 1.0544	0.8458 1.0763	0.9314 1.0847	0.9496 1.0894	1.0110	Ave		0.9852			0.3000	10.0		15.0			
Bromoform	+++++ 0.1318	+++++ 0.1542	0.0806 0.1736	0.0972	0.1090	Qua	-0.472	0.1369	0.0002		0.1000				1.0000		0.9900
Isopropylbenzene	1.5555 1.9211	1.5212 1.8979	1.7250 1.9264	1.8109 1.7712	1.8726	Ave		1.7780			0.1000	8.6		15.0			
1,1,2,2-Tetrachloroethane	0.4975 0.5926	0.4866 0.6207	0.5237 0.6309	0.5391 0.5869	0.5726	Ave		0.5612			0.3000	9.3		15.0			
Bromobenzene	0.9650 0.8751	0.8284 0.8986	0.8597 0.8956	0.8438 0.8798	0.8338	Ave		0.8755				4.8		15.0			
1,2,3-Trichloropropane	0.1802 0.1908	0.1835 0.1914	0.1813 0.1898	0.1885 0.1790	0.1893	Ave		0.1860				2.7		15.0			
trans-1,4-Dichloro-2-butene	0.2297 0.2236	0.2094 0.2455	0.1934 0.2444	0.1972 0.2463	0.2070	Ave		0.2218				9.5		15.0			
N-Propylbenzene	0.8519 1.0757	0.8178 1.0896	0.9619 1.0689	0.9793 1.0716	1.0498	Ave		0.9963				10.0		15.0			
2-Chlorotoluene	0.9186 0.9212	0.8747 0.9250	0.9083 0.9179	0.8992 0.9000	0.9117	Ave		0.9085				1.7		15.0			
1,3,5-Trimethylbenzene	2.4523 3.1900	2.4377 3.2015	2.8163 3.2405	2.9367 3.1824	3.0778	Ave		2.9483				11.0		15.0			
4-Chlorotoluene	0.8991 0.8873	0.8192 0.9064	0.8801 0.8999	0.8756 0.8956	0.8803	Ave		0.8826				2.9		15.0			
tert-Butylbenzene	2.2525 3.0769	2.2372 3.0873	2.7635 3.1478	2.8249 3.0291	2.9526	Ave		2.8191				12.0		15.0			
1,2,4-Trimethylbenzene	2.6558 3.0648	2.5425 3.0794	2.7934 3.1417	2.8514 3.1096	2.9818	Ave		2.9134				7.4		15.0			
sec-Butylbenzene	2.7725 4.1042	2.9753 4.0650	3.6596 4.1744	3.7953 3.9391	3.9631	Ave		3.7165				14.0		15.0			
1,3-Dichlorobenzene	1.9249 1.6852	1.7405 1.6975	1.7004 1.7024	1.6517 1.6824	1.6868	Ave		1.7191			0.6000	4.7		15.0			
4-Isopropyltoluene	2.5556 3.5471	2.5819 3.5908	3.1284 3.6861	3.3276 3.6111	3.4709	Ave		3.2777				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.9851 1.6683	1.8676 1.7073	1.7463 1.7150	1.6663 1.6968	1.6955	Ave		1.7498			0.5000	6.1		15.0			
n-Butylbenzene	2.1850 2.9186	2.1971 2.9140	2.6186 2.9517	2.7454 2.9381	2.8428	Ave		2.7013				11.0		15.0			
1,2-Dichlorobenzene	1.7736 1.5426	1.6978 1.5534	1.6461 1.6002	1.5791 1.5358	1.5756	Ave		1.6116			0.4000	5.0		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0874	+++++ 0.0993	0.0570 0.1179	0.0723	0.0817	Qua	-0.119	0.0819	0.0002		0.0500				1.0000		0.9900
1,3,5-Trichlorobenzene	1.3085 1.2012	1.2916 1.1803	1.2824 1.2747	1.2886 1.2562	1.2722	Ave		1.2617				3.4		15.0			
1,2,4-Trichlorobenzene	1.3024 0.9908	1.2218 0.9770	1.1058 1.0943	1.1393 1.0195	1.0542	Ave		1.1006			0.2000	9.8		15.0			
Hexachlorobutadiene	0.5202 0.5445	0.5092 0.4829	0.5927 0.4956	0.6100 0.4969	0.5975	Ave		0.5388				9.1		15.0			
Naphthalene	2.4689 1.8715	2.2193 1.9346	1.9651 2.2841	2.0665 2.0514	1.9402	Ave		2.0891				9.4		15.0			
1,2,3-Trichlorobenzene	+++++ 0.7718	+++++ 0.7598	0.9640 0.8936	0.9760 0.8428	0.8645	Ave		0.8675				9.8		15.0			
Dibromofluoromethane (Surr)	0.4361 0.2371	0.3310 0.2462	0.2639 0.2480	0.2618 0.2449	0.2559	Lin1	0.1723	0.2444							1.0000		0.9950
1,2-Dichloroethane-d4 (Surr)	0.6551 0.2843	0.4961 0.3017	0.3769 0.3042	0.3410 0.3031	0.3286	Lin1	0.3673	0.2997							0.9990		0.9950
Toluene-d8 (Surr)	3.2908 1.4884	2.2173 1.5124	1.7214 1.5683	1.7133 1.5270	1.6365	Lin1	1.5600	1.5254							0.9990		0.9950
4-Bromofluorobenzene (Surr)	2.0917 0.9031	1.4278 0.9957	1.1528 0.9892	1.0634 0.9856	1.0099	Lin1	0.9790	0.9744							0.9990		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-66063/11	149377.D
Level 2	IC 240-66063/10	149376.D
Level 3	IC 240-66063/9	149375.D
Level 4	IC 240-66063/8	149374.D
Level 5	IC 240-66063/7	149373.D
Level 6	ICIS 240-66063/6	149372.D
Level 7	IC 240-66063/5	149371.D
Level 8	IC 240-66063/4	149370.D
Level 9	IC 240-66063/3	149369.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	8996 608715	19301 1229789	66421 2458893	122854 3160094	245672	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloromethane	FB	Ave	21055 1053925	40017 2136476	112573 4245744	205773 5112939	427162	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl chloride	FB	Ave	13377 798930	27998 1662370	85754 3342970	160539 4049506	324695	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromomethane	FB	Ave	+++++ 214419	+++++ 448791	23772 900586	46773 1120054	92057	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Chloroethane	FB	Ave	7797 398275	14404 791365	41276 1576347	80428 1918105	159974	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichlorofluoromethane	FB	Ave	+++++ 644128	+++++ 1365015	55098 2851285	110915 3682650	246296	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Acrolein	FB	Ave	15924 802249	29606 1541085	75677 3385016	159555 3912978	312122	10.0 500	20.0 1000	50.0 2000	100 2500	200
1,1-Dichloroethene	FB	Ave	+++++ 503252	+++++ 977574	46444 2003870	94260 2477714	191876	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 459410	+++++ 907770	46638 1818478	87181 2282144	178188	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Acetone	FB	Lin1	25637 328079	29398 653921	50674 1304324	85119 1539380	139011	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Iodomethane	FB	Ave	15012 867159	29515 1709903	80237 3573012	162998 4307195	333986	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon disulfide	FB	Lin1	+++++ 1188162	+++++ 2536476	80051 5635365	173075	413600	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acetonitrile	FB	Ave	11784 556862	23041 1116391	67286 2271871	122929 2968599	229427	10.0 500	20.0 1000	50.0 2000	100 2500	200
Methyl acetate	FB	Ave	24047 1010650	40305 1935717	95398 4040374	203914 4692561	384472	2.00 100	4.00 200	10.0 400	20.0 500	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Methylene Chloride	FB	Lin1	+++++ 581469	+++++ 1069055	88373 2171680	139607 2582034	243721	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
2-Methyl-2-propanol	FB	Ave	15899 624385	23532 1300357	65140 2671969	127806 3631088	241976	20.0 1000	40.0 2000	100 4000	200 5000	400
Acrylonitrile	FB	Ave	9143 459938	18143 904261	44170 1874217	95668 2168621	180477	2.00 100	4.00 200	10.0 400	20.0 500	40.0
trans-1,2-Dichloroethene	FB	Ave	10173 613735	21426 1144677	54759 2420391	116094 2837862	232765	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Methyl tert-butyl ether	FB	Ave	23918 1315031	45857 2543894	113758 5457360	240162 6309701	478019	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Hexane	FB	Ave	+++++ 162735	+++++ 304071	15357 621060	31052 753962	61198	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,1-Dichloroethane	FB	Ave	23497 1333129	46179 2525055	119188 5414974	247179 6452205	501820	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Vinyl acetate	FB	Ave	+++++ 69263	+++++ 141614	5169 296534	11286 338901	24807	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
2,2-Dichloropropane	FB	Ave	+++++ 456355	+++++ 900004	34957 1930609	78906 2222647	175649	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
cis-1,2-Dichloroethene	FB	Ave	11935 647575	23816 1218505	58883 2569829	122795 3021507	239896	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Butanone (MEK)	FB	Ave	+++++ 515204	+++++ 1059957	53368 2153205	108181 2556092	202746	+++++ 100	+++++ 200	10.0 400	20.0 500	40.0
Bromochloromethane	FB	Ave	5586 298630	10621 563118	26555 1193943	54787 1391271	110859	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrahydrofuran	FB	Ave	3200 174049	7007 341345	17224 722562	32678 828153	66040	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chloroform	FB	Ave	17979 1036739	35951 1980497	91173 4224768	194925 5019526	389223	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 784709	+++++ 1549208	62298 3284633	133704 3914766	288123	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Cyclohexane	FB	Ave	+++++ 1652156	+++++ 3227030	155572 6601115	311766 8157670	624880	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,1-Dichloropropene	FB	Ave	13780 862906	26073 1622330	76755 3379716	161199 4060839	323159	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Carbon tetrachloride	FB	Lin1	+++++ 740357	+++++ 1482494	50721 3156081	115951 3859746	259288	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Benzene	FB	Ave	43114 2289257	85733 4372510	211186 9234636	434492 11069690	860927	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane	FB	Ave	17668 932171	36072 1787089	89587 3761993	181237 4469921	353134	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Trichloroethene	FB	Ave	11047 675170	22139 1290379	61752 2675915	125318 3256276	253897	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Methylcyclohexane	FB	Ave	+++++ 1160863	+++++ 2236073	105624 4549946	217649 5497372	439516	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,2-Dichloropropane	FB	Ave	11841 691804	22531 1346311	62253 2813318	129629 3434225	254386	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Dibromomethane	FB	Ave	4689 272849	9887 531032	24709 1098430	50066 1318104	99654	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,4-Dioxane	FB	Ave	3184 170032	4837 346827	16965 690543	33756 883078	65483	50.0 2500	100 5000	250 10000	500 12500	1000
Bromodichloromethane	FB	Lin1	+++++ 596852	+++++ 1244841	41174 2695986	91574 3271826	196502	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 498828	+++++ 1095766	44513 2194453	84277 2735600	176292	+++++ 100	+++++ 200	10.0 400	20.0 500	40.0
cis-1,3-Dichloropropene	FB	Lin1	+++++ 711956	+++++ 1506812	46949 3160781	105583 3951596	234929	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	15932 1018715	32291 2107891	87120 4234443	182581 5108097	373901	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Toluene	CBZ	Ave	39445 2288548	78684 4576383	215082 9396311	421679 11728581	851820	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	+++++ 546582	+++++ 1205062	35399 2519689	74605 3177731	176911	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Ethyl methacrylate	CBZ	Ave	+++++ 442552	+++++ 969146	35513 1920843	70719 2431042	151924	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,1,2-Trichloroethane	CBZ	Ave	5717 348362	11765 709029	33036 1426047	63037 1748638	127223	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Tetrachloroethene	CBZ	Ave	9618 506908	16091 1005777	47550 2033160	96266 2534975	190267	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichloropropane	CBZ	Ave	11238 598961	22589 1246918	56683 2493380	110586 3141197	222688	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Hexanone	CBZ	Ave	10026 569241	20050 1276907	53191 2448660	101547 3130735	205955	2.00 100	4.00 200	10.0 400	20.0 500	40.0
Dibromochloromethane	CBZ	Lin1	+++++ 370747	+++++ 828175	22652 1804154	50711 2264836	115127	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
1,2-Dibromoethane	CBZ	Ave	5657 347048	10473 730403	30524 1450030	61149 1813196	127079	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Chlorobenzene	CBZ	Ave	26252 1423277	54167 2940229	142741 5877862	259900 7537819	527421	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 499253	+++++ 1029848	36199 2126102	77990 2661738	171985	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Ethylbenzene	CBZ	Ave	12565 780775	26338 1602677	73171 3161415	140837 4078499	284622	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
m-Xylene & p-Xylene	CBZ	Ave	30925 1898565	63524 3889362	179076 7714653	340837 9973025	710046	2.00 100	4.00 200	10.0 400	20.0 500	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
o-Xylene	CBZ	Ave	15394 920396	30688 1877848	86667 3695224	166382 4647886	346238	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Styrene	CBZ	Ave	18870 1344294	40370 2884335	121218 5707741	228437 7369057	491176	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromoform	CBZ	Qua	+++++ 168064	+++++ 413111	10487 913752	23370	52976	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Isopropylbenzene	CBZ	Ave	35626 2449383	72611 5086143	224515 10136771	435612 11981054	909754	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	5771 363511	11789 792039	34173 1582599	64266 1921844	136708	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Bromobenzene	DCB	Ave	11195 536807	20069 1146742	56096 2246444	100591 2880861	199060	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,3-Trichloropropane	DCB	Ave	2090 117062	4446 244192	11833 475979	22474 586004	45204	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	2665 137172	5072 313263	12620 612934	23502 806356	49423	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
N-Propylbenzene	DCB	Ave	9883 659852	19813 1390470	62765 2681226	116742 3508946	250629	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
2-Chlorotoluene	DCB	Ave	10657 565034	21191 1180413	59268 2302560	107194 2946871	217665	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3,5-Trimethylbenzene	DCB	Ave	28449 1956695	59056 4085499	183769 8128515	350075 10420475	734817	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Chlorotoluene	DCB	Ave	10431 544258	19845 1156743	57427 2257418	104383 2932560	210161	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
tert-Butylbenzene	DCB	Ave	26131 1887372	54199 3939845	180325 7896014	336753 9918738	704922	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,4-Trimethylbenzene	DCB	Ave	30810 1879913	61593 3929777	182276 7880804	339908 10182308	711890	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
sec-Butylbenzene	DCB	Ave	32164 2517458	72080 5187493	238798 10471066	452430 12898183	946197	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,3-Dichlorobenzene	DCB	Ave	22331 1033698	42165 2166219	110957 4270318	196898 5508973	402720	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Isopropyltoluene	DCB	Ave	29647 2175768	62549 4582271	204133 9246326	396677 11824344	828672	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,4-Dichlorobenzene	DCB	Ave	23029 1023311	45245 2178782	113948 4301835	198637 5556152	404787	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
n-Butylbenzene	DCB	Ave	25348 1790216	53226 3718686	170870 7404212	327277 9620532	678710	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichlorobenzene	DCB	Ave	20575 946221	41130 1982277	107410 4013935	188241 5028848	376171	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dibromo-3-Chloropropane	DCB	Qua	+++++ 53639	+++++ 126771	3720 295655	8623	19504	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 66063

SDG No.:

Instrument ID: A3UX14 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/23/2012 10:11 Calibration End Date: 11/23/2012 13:03 Calibration ID: 12508

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,3,5-Trichlorobenzene	DCB	Ave	15180 736807	31289 1506252	83678 3197560	153617 4113336	303726	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,4-Trichlorobenzene	DCB	Ave	15109 607754	29600 1246763	72154 2744952	135818 3338412	251685	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Hexachlorobutadiene	DCB	Ave	6035 333969	12336 616186	38674 1243240	72719 1627182	142662	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Naphthalene	DCB	Ave	28642 1147954	53764 2468811	128229 5729393	246349 6717296	463225	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 473423	+++++ 969595	62905 2241540	116346 2759761	206392	+++++ 50.0	+++++ 100	5.00 200	10.0 250	20.0
Dibromofluoromethane (Surr)	FB	Lin1	17742 515164	27428 1047726	55296 2206254	113489 2614437	215498	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	26652 617593	41104 1283610	78968 2705639	147816 3234622	276767	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
Toluene-d8 (Surr)	CBZ	Lin1	75369 1897698	105837 4053028	224046 8252411	412124 10328708	795068	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0
4-Bromofluorobenzene (Surr)	DCB	Lin1	24266 553966	34590 1270621	75222 2481203	126766 3227192	241107	1.00 50.0	2.00 100	5.00 200	10.0 250	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149369.D		
Lims ID:	IC	Client ID:	
Inject. Date:	23-Nov-2012 10:11:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	ic		
Misc. Info.:	240-0015202-003 =240-0015202-003		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	2
Lims Batch ID:	66063	Lims Sample ID:	3
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m		
Last Update:	25-Nov-2012 10:56:53	Calib Date:	23-Nov-2012 13:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK022		
First Level Reviewer: macenczaks		Date:	23-Nov-2012 11:00:36

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2134686	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	1352850	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.571	0.0	93	654887	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	61	2614437	249.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.553	0.0	96	3234622	251.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	78	10328708	249.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	87	3227192	251.9	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	87	3160094	267.8	
13 Chloromethane	50	1.619	1.607	0.012	89	5112939	241.5	
14 Vinyl chloride	62	1.737	1.737	0.0	83	4049506	255.2	
15 Bromomethane	94	2.069	2.069	0.0	91	1120054	247.8	
16 Chloroethane	64	2.187	2.187	0.0	94	1918105	243.0	
18 Trichlorofluoromethane	101	2.507	2.507	0.0	85	3682650	288.3	
20 Acrolein	56	3.039	3.039	0.0	98	3912978	2479.2	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	82	2477714	256.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	83	2282144	253.1	
22 Acetone	43	3.252	3.264	-0.012	94	1539380	494.2	
24 Iodomethane	142	3.347	3.347	0.0	99	4307195	260.4	
26 Carbon disulfide	76	3.429	3.430	-0.001	98	6847465	259.9	
27 Acetonitrile	41	3.666	3.666	0.0	99	2968599	2506.1	
28 Methyl acetate	43	3.761	3.761	0.0	98	4692561	462.9	
30 Methylene Chloride	84	3.891	3.891	0.0	86	2582034	248.0	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	93	3631088	5464.7	
32 Acrylonitrile	53	4.305	4.305	0.0	95	2168621	474.3	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	86	2837862	248.9	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	91	6309701	255.1	
35 Hexane	86	4.743	4.743	0.0	94	753962	245.1	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	6452205	257.1	
37 Vinyl acetate	86	5.039	5.039	0.0	97	338901	264.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	76	2222647	259.5	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	79	3021507	246.3	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	2556092	489.4	
47 Chlorobromomethane	128	5.926	5.926	0.0	85	1391271	247.6	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	828153	243.0	
49 Chloroform	83	6.033	6.033	0.0	84	5019526	257.4	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	3914766	266.4	
51 Cyclohexane	56	6.269	6.269	0.0	90	8157670	255.8	
53 Carbon tetrachloride	117	6.388	6.388	0.0	74	3859746	253.2	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	4060839	258.3	
55 Benzene	78	6.601	6.601	0.0	96	11069690	251.4	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	4469921	246.3	
60 Trichloroethene	130	7.240	7.240	0.0	91	3256276	259.6	
63 Methylcyclohexane	83	7.417	7.417	0.0	94	5497372	249.4	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	92	3434225	264.8	
65 Dibromomethane	93	7.559	7.559	0.0	88	1318104	256.4	
66 1,4-Dioxane	88	7.583	7.583	0.0	91	883078	13424	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	3271826	253.9	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	90	2735600	558.4	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	82	3951596	256.4	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	5108097	506.0	
72 Toluene	91	8.411	8.411	0.0	91	11728581	250.9	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	91	3177731	250.6	
74 Ethyl methacrylate	69	8.683	8.683	0.0	91	2431042	271.9	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	1748638	248.4	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	2534975	244.5	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	3141197	249.3	
78 2-Hexanone	43	8.979	8.979	0.0	99	3130735	525.5	
79 Chlorodibromomethane	129	9.109	9.109	0.0	86	2264836	252.3	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	1813196	261.6	
82 Chlorobenzene	112	9.618	9.618	0.0	91	7537819	251.0	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	89	2661738	272.2	
84 Ethylbenzene	106	9.713	9.713	0.0	97	4078499	258.5	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	88	9973025	517.7	
85 o-Xylene	106	10.151	10.151	0.0	95	4647886	249.5	
86 Styrene	104	10.162	10.162	0.0	94	7369057	276.5	
87 Bromoform	173	10.328	10.328	0.0	97	1183227	240.1	
88 Isopropylbenzene	105	10.458	10.458	0.0	97	11981054	249.0	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	1921844	261.5	
91 Bromobenzene	156	10.719	10.719	0.0	93	2880861	251.2	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	73	586004	240.6	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	55	806356	277.5	
94 N-Propylbenzene	120	10.801	10.801	0.0	95	3508946	268.9	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	2946871	247.6	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	10420475	269.8	
104 4-Chlorotoluene	126	10.979	10.967	0.012	98	2932560	253.7	
97 tert-Butylbenzene	119	11.227	11.227	0.0	88	9918738	268.6	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	10182308	266.8	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	12898183	265.0	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	5508973	244.7	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	93	11824344	275.4	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	91	5556152	242.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	9620532	271.9	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	5028848	238.2	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	80	361176	225.0	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	96	4113336	248.9	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	3338412	231.6	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	1627182	230.6	
111 Naphthalene	128	13.440	13.440	0.0	97	6717296	245.5	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	2759761	242.9	
S 137 Trihalomethanes, Total	1				0		1003.7	
S 11 1,2-Dichloroethene, Total	96				0		495.2	
S 9 1,3-Dichloropropene, Total	75				0		507.0	
S 114 Xylenes, Total	106				0		767.1	

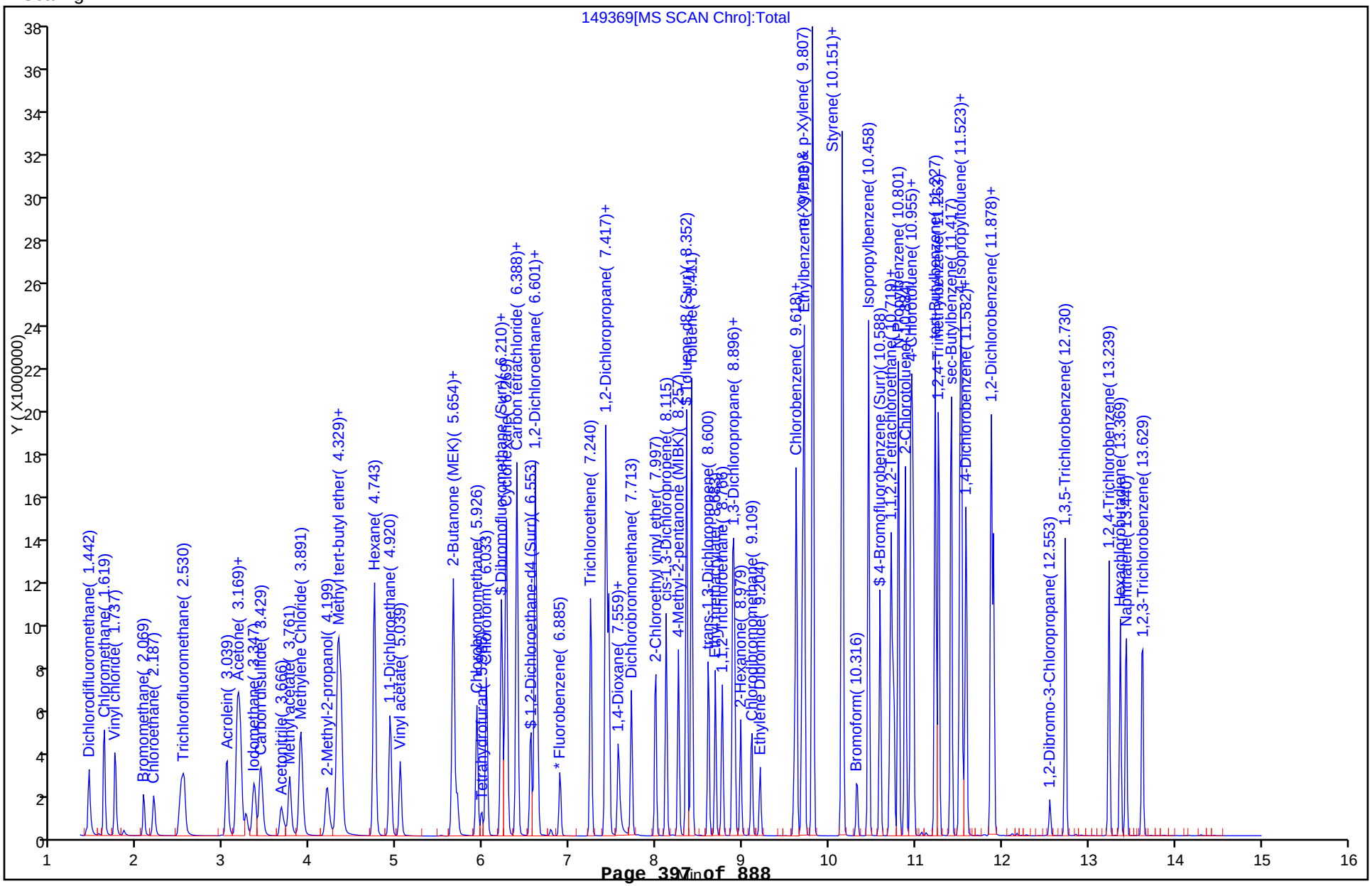
Report Date: 25-Nov-2012 10:56:54 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149369.D

Injection Date:	23-Nov-2012 10:11:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	3
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149370.D		
Lims ID:	IC	Client ID:	
Inject. Date:	23-Nov-2012 10:33:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	ic		
Misc. Info.:	240-0015202-004 =240-0015202-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	66063	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m		
Last Update:	25-Nov-2012 10:56:54	Calib Date:	23-Nov-2012 13:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK022		
First Level Reviewer: macenczaks		Date:	23-Nov-2012 11:16:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2223707	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	1315539	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.571	-0.001	92	627104	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	70	2206254	202.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.553	0.0	96	2705639	201.8	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	8252411	204.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	2481203	202.0	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	87	2458893	200.0	
13 Chloromethane	50	1.619	1.607	0.012	89	4245744	192.5	
14 Vinyl chloride	62	1.737	1.737	0.0	83	3342970	202.2	
15 Bromomethane	94	2.069	2.069	0.0	91	900586	191.3	
16 Chloroethane	64	2.187	2.187	0.0	94	1576347	191.7	
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	86	2851285	214.3	
20 Acrolein	56	3.039	3.039	0.0	96	3385016	2058.8	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	82	2003870	198.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	83	1818478	193.6	
22 Acetone	43	3.264	3.264	0.0	99	1304324	400.7	
24 Iodomethane	142	3.347	3.347	0.0	99	3573012	207.4	
26 Carbon disulfide	76	3.429	3.430	-0.001	99	5635365	206.0	
27 Acetonitrile	41	3.666	3.666	0.0	99	2271871	1841.1	
28 Methyl acetate	43	3.761	3.761	0.0	98	4040374	382.6	
30 Methylene Chloride	84	3.891	3.891	0.0	87	2171680	199.5	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	93	2671969	3860.3	
32 Acrylonitrile	53	4.305	4.305	0.0	97	1874217	393.5	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	87	2420391	203.8	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	94	5457360	211.8	
35 Hexane	86	4.743	4.743	0.0	94	621060	193.8	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	5414974	207.1	
37 Vinyl acetate	86	5.039	5.039	0.0	97	296534	221.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	79	1930609	216.4	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	79	2569829	201.1	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	2153205	395.7	
47 Chlorobromomethane	128	5.926	5.926	0.0	85	1193943	204.0	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	722562	203.5	
49 Chloroform	83	6.033	6.033	0.0	84	4224768	208.0	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	89	3284633	214.6	
51 Cyclohexane	56	6.269	6.269	0.0	90	6601115	198.7	
53 Carbon tetrachloride	117	6.388	6.388	0.0	76	3156081	199.2	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	3379716	206.4	
55 Benzene	78	6.601	6.601	0.0	96	9234636	201.3	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	3761993	199.0	
60 Trichloroethene	130	7.240	7.240	0.0	91	2675915	204.8	
63 Methylcyclohexane	83	7.417	7.417	0.0	94	4549946	198.1	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	90	2813318	208.2	
65 Dibromomethane	93	7.559	7.559	0.0	87	1098430	205.1	
66 1,4-Dioxane	88	7.583	7.583	0.0	91	690543	10077	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	2695986	201.4	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	90	2194453	430.0	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	83	3160781	197.5	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	4234443	431.4	
72 Toluene	91	8.411	8.411	0.0	90	9396311	206.7	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	91	2519689	204.9	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	1920843	221.0	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	1426047	208.4	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	2033160	201.7	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	2493380	203.5	
78 2-Hexanone	43	8.979	8.979	0.0	99	2448660	422.6	
79 Chlorodibromomethane	129	9.109	9.109	0.0	86	1804154	207.3	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	1450030	215.2	
82 Chlorobenzene	112	9.618	9.618	0.0	91	5877862	201.3	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	2126102	223.6	
84 Ethylbenzene	106	9.713	9.713	0.0	98	3161415	206.1	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	95	7714653	411.8	
85 o-Xylene	106	10.151	10.151	0.0	95	3695224	204.0	
86 Styrene	104	10.162	10.162	0.0	94	5707741	220.2	
87 Bromoform	173	10.328	10.328	0.0	97	913752	199.8	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	10136771	216.7	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	84	1582599	224.9	
91 Bromobenzene	156	10.719	10.719	0.0	93	2246444	204.6	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	72	475979	204.1	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	64	612934	220.3	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	2681226	214.6	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	2302560	202.1	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	8128515	219.8	
104 4-Chlorotoluene	126	10.967	10.967	0.0	99	2257418	203.9	
97 tert-Butylbenzene	119	11.227	11.227	0.0	84	7896014	223.3	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	98	7880804	215.7	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	10471066	224.6	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	4270318	198.1	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	93	9246326	224.9	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	4301835	196.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	7404212	218.5	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	4013935	198.6	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	78	295655	200.0	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	3197560	202.1	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	90	2744952	198.9	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	1243240	184.0	
111 Naphthalene	128	13.440	13.440	0.0	97	5729393	218.7	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	2241540	206.0	
S 137 Trihalomethanes, Total	1				0		816.5	
S 11 1,2-Dichloroethene, Total	96				0		404.8	
S 9 1,3-Dichloropropene, Total	75				0		402.4	
S 114 Xylenes, Total	106				0		615.8	

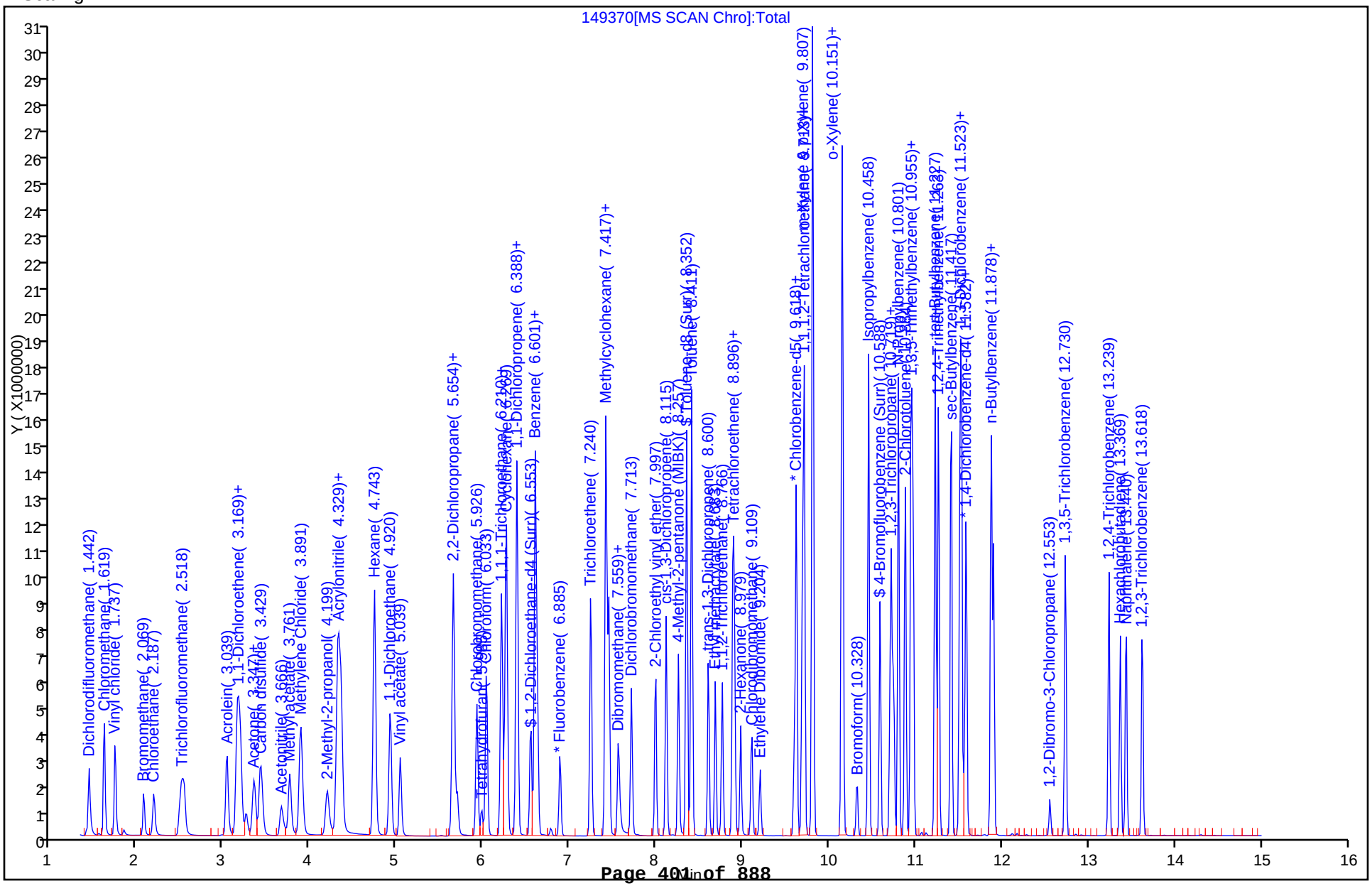
Report Date: 25-Nov-2012 10:56:55 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149370.D

Injection Date:	23-Nov-2012 10:33:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149371.D
Lims ID: IC Client ID:
Inject. Date: 23-Nov-2012 10:54:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: ic
Misc. Info.: 240-0015202-005 =240-0015202-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 66063 Lims Sample ID: 5
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m
Last Update: 25-Nov-2012 10:56:55 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK022

First Level Reviewer: macenczaks Date: 23-Nov-2012 11:18:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2127379	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.594	0.001	98	1339936	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.571	0.0	98	638065	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	79	1047726	100.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	97	1283610	99.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	4053028	98.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	1270621	101.2	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	87	1229789	104.6	
13 Chloromethane	50	1.607	1.607	0.0	89	2136476	101.3	
14 Vinyl chloride	62	1.737	1.737	0.0	83	1662370	105.1	
15 Bromomethane	94	2.069	2.069	0.0	90	448791	99.6	
16 Chloroethane	64	2.187	2.187	0.0	94	791365	100.6	
18 Trichlorofluoromethane	101	2.507	2.507	0.0	86	1365015	107.2	
20 Acrolein	56	3.027	3.039	-0.012	96	1541085	979.8	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	82	977574	101.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	80	907770	101.0	
22 Acetone	43	3.252	3.264	-0.012	98	653921	206.9	
24 Iodomethane	142	3.347	3.347	0.0	99	1709903	103.7	
26 Carbon disulfide	76	3.418	3.430	-0.012	98	2536476	98.4	
27 Acetonitrile	41	3.666	3.666	0.0	99	1116391	945.7	
28 Methyl acetate	43	3.761	3.761	0.0	98	1935717	191.6	
30 Methylene Chloride	84	3.891	3.891	0.0	87	1069055	100.8	
31 2-Methyl-2-propanol	59	4.187	4.199	-0.012	92	1300357	1963.7	
32 Acrylonitrile	53	4.305	4.305	0.0	98	904261	198.5	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	87	1144677	100.7	
34 Methyl tert-butyl ether	73	4.353	4.352	0.001	94	2543894	103.2	
35 Hexane	86	4.743	4.743	0.0	94	304071	99.2	
36 1,1-Dichloroethane	63	4.921	4.920	0.001	85	2525055	101.0	
37 Vinyl acetate	86	5.039	5.039	0.0	97	141614	110.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	77	900004	105.4	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	1218505	99.7	
41 2-Butanone (MEK)	43	5.702	5.701	0.001	97	1059957	203.6	
47 Chlorobromomethane	128	5.926	5.926	0.0	86	563118	100.6	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	341345	100.5	
49 Chloroform	83	6.033	6.033	0.0	84	1980497	101.9	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	1549208	105.8	
51 Cyclohexane	56	6.258	6.269	-0.011	90	3227030	101.5	
53 Carbon tetrachloride	117	6.388	6.388	0.0	69	1482494	98.9	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	1622330	103.5	
55 Benzene	78	6.601	6.601	0.0	96	4372510	99.6	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	1787089	98.8	
60 Trichloroethene	130	7.240	7.240	0.0	90	1290379	103.2	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	2236073	101.8	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	90	1346311	104.2	
65 Dibromomethane	93	7.559	7.559	0.0	88	531032	103.7	
66 1,4-Dioxane	88	7.583	7.583	0.0	89	346827	5290.4	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	1244841	98.6	
69 2-Chloroethyl vinyl ether	63	7.985	7.997	-0.012	89	1095766	224.5	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	82	1506812	99.8	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	2107891	210.8	
72 Toluene	91	8.411	8.411	0.0	91	4576383	98.8	
73 trans-1,3-Dichloropropene	75	8.601	8.600	0.001	91	1205062	97.8	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	969146	109.5	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	709029	101.7	
77 Tetrachloroethene	164	8.885	8.884	0.001	91	1005777	98.0	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	1246918	99.9	
78 2-Hexanone	43	8.979	8.979	0.0	98	1276907	216.4	
79 Chlorodibromomethane	129	9.109	9.109	0.0	87	828175	95.3	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	730403	106.4	
82 Chlorobenzene	112	9.618	9.618	0.0	91	2940229	98.9	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	1029848	106.3	
84 Ethylbenzene	106	9.713	9.713	0.0	98	1602677	102.6	
10 m-Xylene & p-Xylene	106	9.808	9.807	0.001	99	3889362	203.8	
85 o-Xylene	106	10.151	10.151	0.0	95	1877848	101.8	
86 Styrene	104	10.163	10.162	0.0	94	2884335	109.3	
87 Bromoform	173	10.328	10.328	0.0	97	413111	101.3	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	5086143	106.7	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	84	792039	110.6	
91 Bromobenzene	156	10.719	10.719	0.0	92	1146742	102.6	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	78	244192	102.9	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	59	313263	110.7	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	1390470	109.4	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	1180413	101.8	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	92	4085499	108.6	
104 4-Chlorotoluene	126	10.967	10.967	0.0	99	1156743	102.7	
97 tert-Butylbenzene	119	11.227	11.227	0.0	84	3939845	109.5	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	3929777	105.7	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	5187493	109.4	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	2166219	98.7	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	94	4582271	109.6	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	91	2178782	97.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	3718686	107.9	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	1982277	96.4	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	76	126771	100.3	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	1506252	93.5	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	1246763	88.8	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	93	616186	89.6	
111 Naphthalene	128	13.440	13.440	0.0	97	2468811	92.6	
112 1,2,3-Trichlorobenzene	180	13.630	13.629	0.001	94	969595	87.6	
S 137 Trihalomethanes, Total	1				0		397.2	
S 11 1,2-Dichloroethene, Total	96				0		200.4	
S 9 1,3-Dichloropropene, Total	75				0		197.6	
S 114 Xylenes, Total	106				0		305.6	

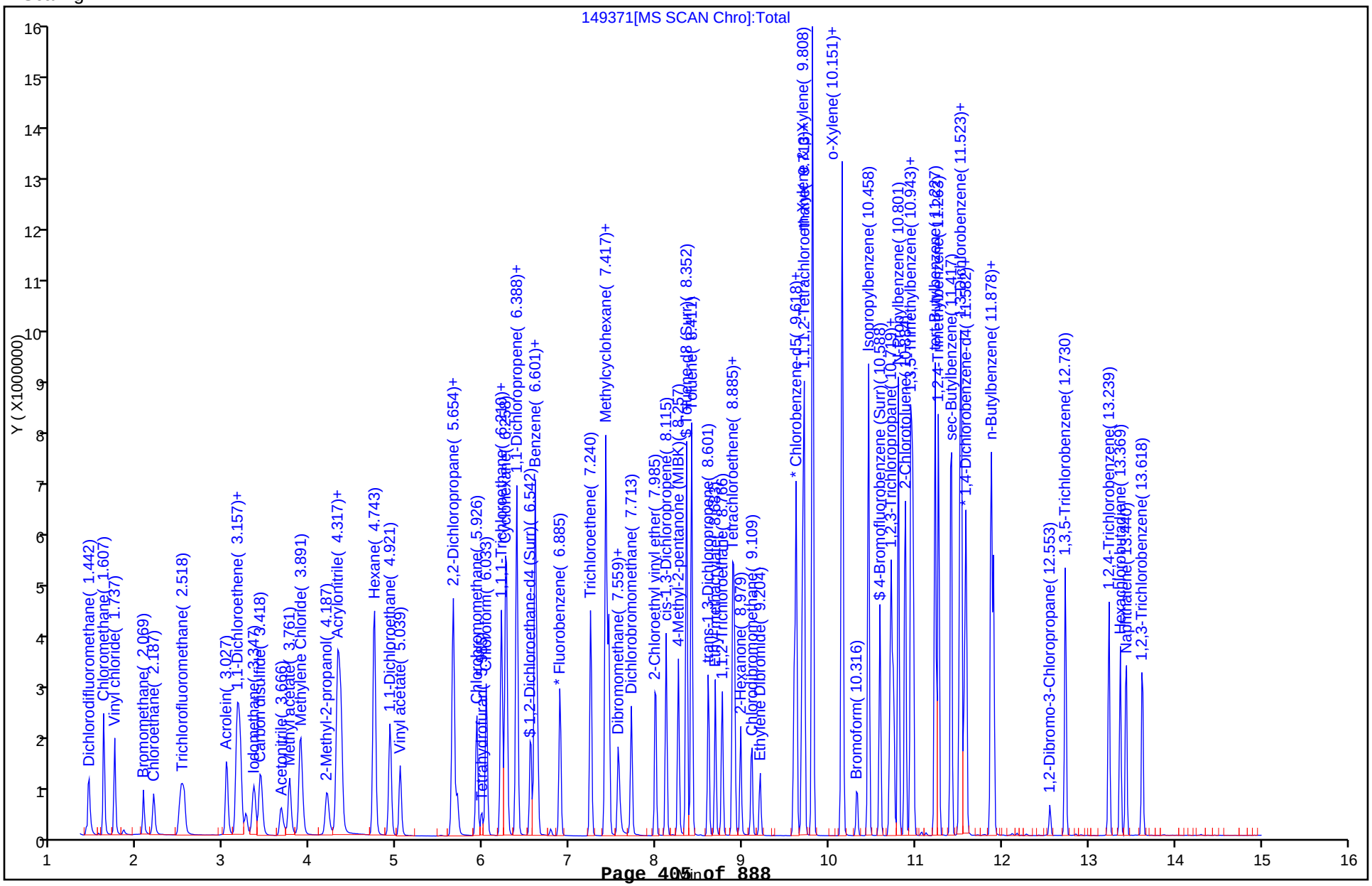
Report Date: 25-Nov-2012 10:56:56 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149371.D

Injection Date:	23-Nov-2012 10:54:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	5
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149372.D
Lims ID: ICIS Client ID:
Inject. Date: 23-Nov-2012 11:16:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: icis
Misc. Info.: 240-0015202-006 =240-0015202-006
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 66063 Lims Sample ID: 6
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m
Last Update: 25-Nov-2012 10:56:56 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK022

First Level Reviewer: macenczaks Date: 23-Nov-2012 11:34:57

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2172557	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	1274995	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.571	0.0	98	613392	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	80	515164	47.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.553	0.0	97	617593	46.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1897698	47.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	553966	45.3	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	88	608715	50.7	
13 Chloromethane	50	1.607	1.607	0.0	89	1053925	48.9	
14 Vinyl chloride	62	1.737	1.737	0.0	83	798930	49.5	
15 Bromomethane	94	2.069	2.069	0.0	91	214419	46.6	
16 Chloroethane	64	2.187	2.187	0.0	94	398275	49.6	
18 Trichlorofluoromethane	101	2.507	2.507	0.0	85	644128	49.6	
20 Acrolein	56	3.039	3.039	0.0	94	802249	499.4	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	83	503252	51.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	81	459410	50.1	
22 Acetone	43	3.264	3.264	0.0	98	328079	98.3	
24 Iodomethane	142	3.347	3.347	0.0	99	867159	51.5	
26 Carbon disulfide	76	3.430	3.430	0.0	98	1188162	46.7	
27 Acetonitrile	41	3.666	3.666	0.0	100	556862	461.9	
28 Methyl acetate	43	3.761	3.761	0.0	98	1010650	98.0	
30 Methylene Chloride	84	3.891	3.891	0.0	87	581469	51.9	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	91	624385	923.3	
32 Acrylonitrile	53	4.305	4.305	0.0	98	459938	98.8	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	86	613735	52.9	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	87	1315031	52.2	
35 Hexane	86	4.743	4.743	0.0	94	162735	52.0	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	1333129	52.2	
37 Vinyl acetate	86	5.039	5.039	0.0	97	69263	53.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	75	456355	52.4	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	77	647575	51.9	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	515204	96.9	
47 Chlorobromomethane	128	5.926	5.926	0.0	86	298630	52.2	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	174049	50.2	
49 Chloroform	83	6.033	6.033	0.0	84	1036739	52.2	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	89	784709	52.5	
51 Cyclohexane	56	6.269	6.269	0.0	91	1652156	50.9	
53 Carbon tetrachloride	117	6.388	6.388	0.0	68	740357	49.4	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	862906	53.9	
55 Benzene	78	6.601	6.601	0.0	95	2289257	51.1	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	932171	50.5	
60 Trichloroethene	130	7.240	7.240	0.0	91	675170	52.9	
63 Methylcyclohexane	83	7.417	7.417	0.0	94	1160863	51.7	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	90	691804	52.4	
65 Dibromomethane	93	7.559	7.559	0.0	87	272849	52.2	
66 1,4-Dioxane	88	7.583	7.583	0.0	88	170032	2539.7	
67 Dichlorobromomethane	83	7.713	7.713	0.0	90	596852	47.7	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	91	498828	100.1	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	83	711956	47.7	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	1018715	107.1	
72 Toluene	91	8.411	8.411	0.0	90	2288548	51.9	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	91	546582	48.2	
74 Ethyl methacrylate	69	8.683	8.683	0.0	91	442552	52.5	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	348362	52.5	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	506908	51.9	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	598961	50.4	
78 2-Hexanone	43	8.979	8.979	0.0	99	569241	101.4	
79 Chlorodibromomethane	129	9.109	9.109	0.0	89	370747	46.7	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	347048	53.1	
82 Chlorobenzene	112	9.618	9.618	0.0	91	1423277	50.3	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	499253	54.2	
84 Ethylbenzene	106	9.713	9.713	0.0	98	780775	52.5	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1898565	104.6	
85 o-Xylene	106	10.151	10.151	0.0	95	920396	52.4	
86 Styrene	104	10.162	10.162	0.0	94	1344294	53.5	
87 Bromoform	173	10.328	10.328	0.0	97	168064	48.3	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2449383	54.0	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	363511	52.8	
91 Bromobenzene	156	10.719	10.719	0.0	92	536807	50.0	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	77	117062	51.3	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	53	137172	50.4	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	659852	54.0	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	565034	50.7	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	93	1956695	54.1	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	544258	50.3	
97 tert-Butylbenzene	119	11.227	11.227	0.0	88	1887372	54.6	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1879913	52.6	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2517458	55.2	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	90	1033698	49.0	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	91	2175768	54.1	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	91	1023311	47.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1790216	54.0	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	946221	47.9	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	73	53639	49.4	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	736807	47.6	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	607754	45.0	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	93	333969	50.5	
111 Naphthalene	128	13.440	13.440	0.0	97	1147954	44.8	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	473423	44.5	
S 137 Trihalomethanes, Total	1				0		194.9	
S 11 1,2-Dichloroethene, Total	96				0		104.7	
S 9 1,3-Dichloropropene, Total	75				0		95.9	
S 114 Xylenes, Total	106				0		157.0	

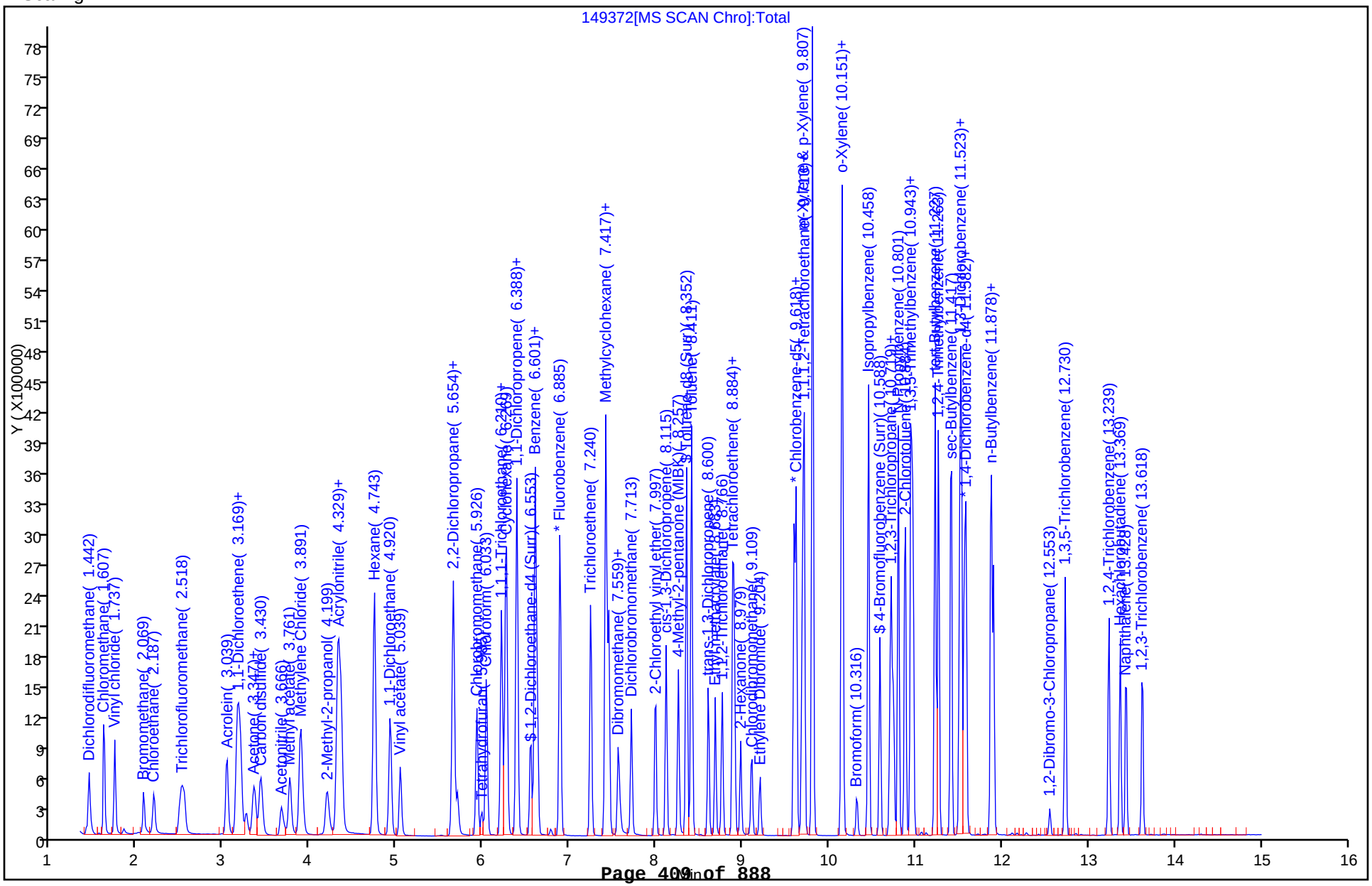
Report Date: 25-Nov-2012 10:56:57 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149372.D

Injection Date:	23-Nov-2012 11:16:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	6
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149373.D
Lims ID: IC Client ID:
Inject. Date: 23-Nov-2012 11:37:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: ic
Misc. Info.: 240-0015202-007 =240-0015202-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 66063 Lims Sample ID: 7
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m
Last Update: 25-Nov-2012 10:56:57 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK022

First Level Reviewer: macenczaks Date: 23-Nov-2012 12:01:52

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2105705	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	1214571	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.571	-0.001	99	596872	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	77	215498	20.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.553	0.0	98	276767	20.7	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	795068	20.4	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	241107	19.7	
12 Dichlorodifluoromethane	85	1.441	1.442	-0.001	86	245672	21.1	
13 Chloromethane	50	1.607	1.607	0.0	89	427162	20.5	
14 Vinyl chloride	62	1.737	1.737	0.0	83	324695	20.7	
15 Bromomethane	94	2.069	2.069	0.0	91	92057	20.6	
16 Chloroethane	64	2.187	2.187	0.0	94	159974	20.5	
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	86	246296	19.5	
20 Acrolein	56	3.039	3.039	0.0	96	312122	200.5	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	83	191876	20.1	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	80	178188	20.0	
22 Acetone	43	3.264	3.264	0.0	98	139011	39.3	
24 Iodomethane	142	3.347	3.347	0.0	99	333986	20.5	
26 Carbon disulfide	76	3.429	3.430	-0.001	99	413600	18.6	
27 Acetonitrile	41	3.666	3.666	0.0	100	229427	196.3	
28 Methyl acetate	43	3.761	3.761	0.0	97	384472	38.5	
30 Methylene Chloride	84	3.891	3.891	0.0	87	243721	20.3	
31 2-Methyl-2-propanol	59	4.199	4.199	-0.001	89	241976	369.2	
32 Acrylonitrile	53	4.305	4.305	0.0	94	180477	40.0	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	87	232765	20.7	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	92	478019	19.6	
35 Hexane	86	4.743	4.743	0.0	95	61198	20.2	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	501820	20.3	
37 Vinyl acetate	86	5.039	5.039	0.0	97	24807	19.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	75	175649	20.8	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	239896	19.8	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	202746	39.4	
47 Chlorobromomethane	128	5.926	5.926	0.0	85	110859	20.0	
48 Tetrahydrofuran	42	5.985	5.985	0.0	90	66040	19.6	
49 Chloroform	83	6.033	6.033	0.0	84	389223	20.2	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	89	288123	19.9	
51 Cyclohexane	56	6.257	6.269	-0.012	91	624880	19.9	
53 Carbon tetrachloride	117	6.388	6.388	0.0	66	259288	19.2	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	323159	20.8	
55 Benzene	78	6.601	6.601	0.0	96	860927	19.8	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	353134	19.7	
60 Trichloroethene	130	7.240	7.240	0.0	92	253897	20.5	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	439516	20.2	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	254386	19.9	
65 Dibromomethane	93	7.559	7.559	0.0	90	99654	19.7	
66 1,4-Dioxane	88	7.583	7.583	0.0	89	65483	1009.1	
67 Dichlorobromomethane	83	7.713	7.713	0.0	90	196502	18.0	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	176292	36.5	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	82	234929	18.1	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	373901	41.3	
72 Toluene	91	8.411	8.411	0.0	90	851820	20.3	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	90	176911	18.3	
74 Ethyl methacrylate	69	8.683	8.683	0.0	91	151924	18.9	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	127223	20.1	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	190267	20.4	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	222688	19.7	
78 2-Hexanone	43	8.979	8.979	0.0	98	205955	38.5	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	115127	17.6	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	127079	20.4	
82 Chlorobenzene	112	9.618	9.618	0.0	90	527421	19.6	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	86	171985	19.6	
84 Ethylbenzene	106	9.713	9.713	0.0	98	284622	20.1	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	97	710046	41.1	
85 o-Xylene	106	10.150	10.151	-0.001	95	346238	20.7	
86 Styrene	104	10.162	10.162	0.0	94	491176	20.5	
87 Bromoform	173	10.316	10.328	-0.012	96	52976	18.9	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	909754	21.1	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	83	136708	20.4	
91 Bromobenzene	156	10.718	10.719	-0.001	93	199060	19.0	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	77	45204	20.4	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	51	49423	18.7	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	250629	21.1	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	217665	20.1	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	93	734817	20.9	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	210161	19.9	
97 tert-Butylbenzene	119	11.227	11.227	0.0	86	704922	20.9	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	711890	20.5	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	96	946197	21.3	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	81	402720	19.6	
101 4-Isopropyltoluene	119	11.523	11.535	-0.012	91	828672	21.2	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	90	404787	19.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	678710	21.0	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	376171	19.6	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	71	19504	20.5	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	303726	20.2	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	251685	19.2	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	142662	22.2	
111 Naphthalene	128	13.440	13.440	0.0	97	463225	18.6	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	95	206392	19.9	
S 137 Trihalomethanes, Total	1				0		74.6	
S 11 1,2-Dichloroethene, Total	96				0		40.5	
S 9 1,3-Dichloropropene, Total	75				0		36.4	
S 114 Xylenes, Total	106				0		61.8	

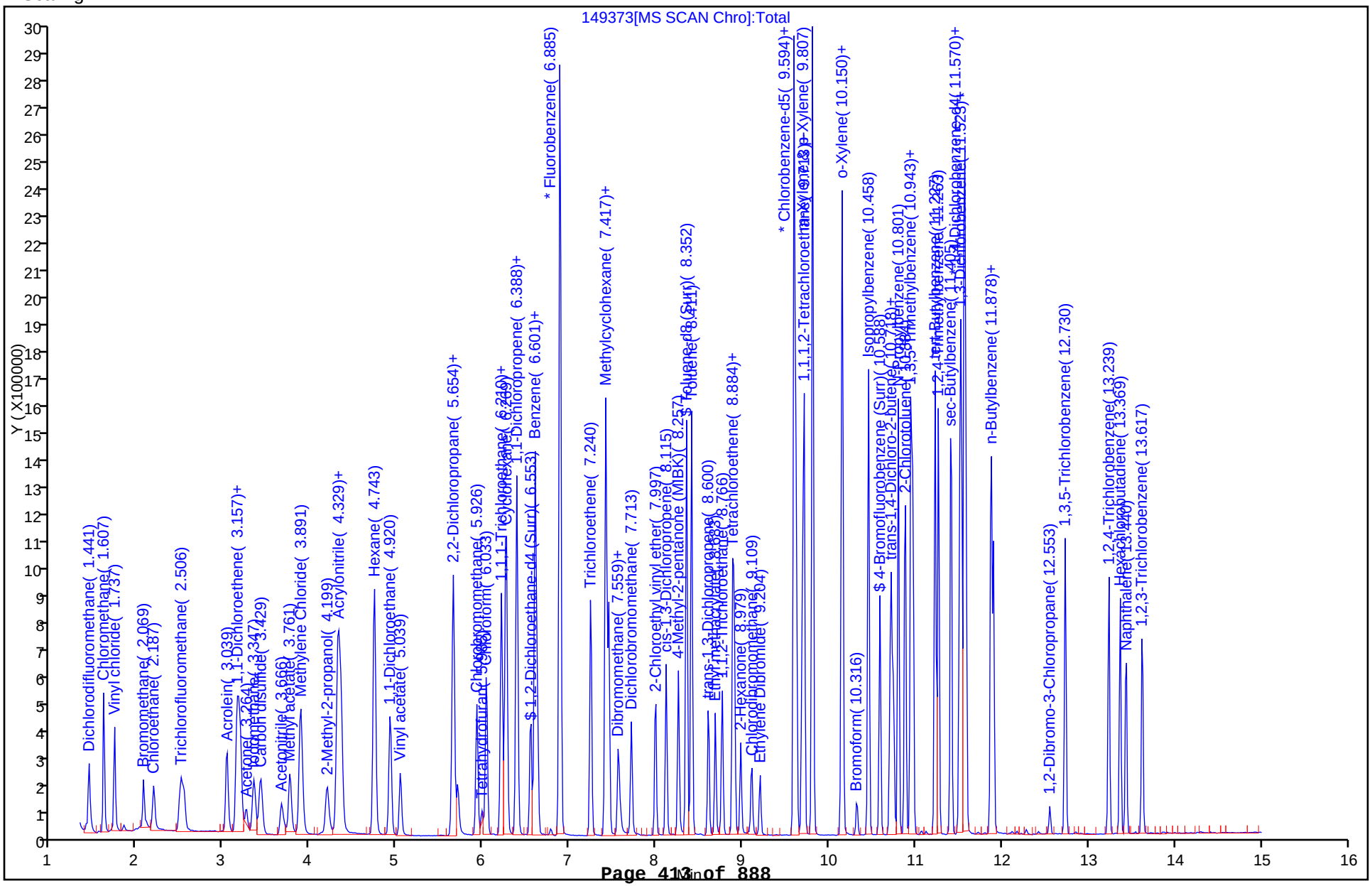
Report Date: 25-Nov-2012 10:56:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149373.D

Injection Date:	23-Nov-2012 11:37:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149374.D		
Lims ID:	IC	Client ID:	
Inject. Date:	23-Nov-2012 11:59:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	ic		
Misc. Info.:	240-0015202-008 =240-0015202-008		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	7
Lims Batch ID:	66063	Lims Sample ID:	8
Sublist:	chrom-8260_14*sub16		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m		
Last Update:	25-Nov-2012 10:56:58	Calib Date:	23-Nov-2012 13:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK022		
First Level Reviewer: macenczaks		Date:	23-Nov-2012 12:28:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2167366	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.594	0.001	97	1202744	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.571	0.0	99	596041	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	81	113489	10.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	93	147816	10.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	412124	10.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	126766	9.91	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	86	122854	10.3	
13 Chloromethane	50	1.607	1.607	0.0	88	205773	9.57	
14 Vinyl chloride	62	1.737	1.737	0.0	83	160539	9.96	
15 Bromomethane	94	2.069	2.069	0.0	91	46773	10.2	
16 Chloroethane	64	2.187	2.187	0.0	94	80428	10.0	
18 Trichlorofluoromethane	101	2.495	2.507	-0.012	85	110915	8.55	
20 Acrolein	56	3.027	3.039	-0.012	94	159555	99.6	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	83	94260	9.60	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	80	87181	9.52	
22 Acetone	43	3.252	3.264	-0.012	98	85119	20.7	
24 Iodomethane	142	3.347	3.347	0.0	99	162998	9.71	
26 Carbon disulfide	76	3.418	3.430	-0.012	99	173075	9.29	
27 Acetonitrile	41	3.666	3.666	0.0	99	122929	102.2	
28 Methyl acetate	43	3.761	3.761	0.0	98	203914	19.8	
30 Methylene Chloride	84	3.891	3.891	0.0	87	139607	9.59	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	90	127806	189.4	
32 Acrylonitrile	53	4.305	4.305	0.0	97	95668	20.6	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	86	116094	10.0	
34 Methyl tert-butyl ether	73	4.353	4.352	0.001	86	240162	9.56	
35 Hexane	86	4.743	4.743	0.0	96	31052	9.94	
36 1,1-Dichloroethane	63	4.921	4.920	0.001	86	247179	9.70	
37 Vinyl acetate	86	5.039	5.039	0.0	97	11286	8.66	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	64	78906	9.07	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	77	122795	9.86	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	108181	20.4	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	54787	9.60	
48 Tetrahydrofuran	42	5.985	5.985	0.0	90	32678	9.44	
49 Chloroform	83	6.033	6.033	0.0	84	194925	9.85	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	133704	8.96	
51 Cyclohexane	56	6.258	6.269	-0.011	91	311766	9.63	
53 Carbon tetrachloride	117	6.388	6.388	0.0	58	115951	9.55	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	82	161199	10.1	
55 Benzene	78	6.601	6.601	0.0	96	434492	9.72	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	89	181237	9.84	
60 Trichloroethene	130	7.240	7.240	0.0	91	125318	9.84	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	217649	9.72	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	89	129629	9.84	
65 Dibromomethane	93	7.559	7.559	0.0	91	50066	9.59	
66 1,4-Dioxane	88	7.595	7.583	0.012	93	33756	505.4	
67 Dichlorobromomethane	83	7.713	7.713	0.0	90	91574	9.60	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	88	84277	16.9	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	81	105583	9.50	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	182581	20.3	
72 Toluene	91	8.411	8.411	0.0	90	421679	10.1	
73 trans-1,3-Dichloropropene	75	8.601	8.600	0.001	88	74605	9.50	
74 Ethyl methacrylate	69	8.683	8.683	0.0	90	70719	8.90	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	63037	10.1	
77 Tetrachloroethene	164	8.885	8.884	0.001	90	96266	10.4	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	95	110586	9.87	
78 2-Hexanone	43	8.979	8.979	0.0	99	101547	19.2	
79 Chlorodibromomethane	129	9.109	9.109	0.0	85	50711	9.75	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	61149	9.93	
82 Chlorobenzene	112	9.618	9.618	0.0	90	259900	9.74	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	85	77990	8.97	
84 Ethylbenzene	106	9.713	9.713	0.0	98	140837	10.0	
10 m-Xylene & p-Xylene	106	9.808	9.807	0.001	98	340837	19.9	
85 o-Xylene	106	10.151	10.151	0.0	95	166382	10.0	
86 Styrene	104	10.162	10.162	0.0	94	228437	9.64	
87 Bromoform	173	10.316	10.328	-0.012	96	23370	10.4	
88 Isopropylbenzene	105	10.458	10.458	0.0	97	435612	10.2	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	64266	9.61	
91 Bromobenzene	156	10.719	10.719	0.0	92	100591	9.64	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	81	22474	10.1	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.754	-0.012	53	23502	8.89	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	116742	9.83	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	107194	9.90	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	350075	9.96	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	104383	9.92	
97 tert-Butylbenzene	119	11.227	11.227	0.0	85	336753	10.0	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	339908	9.79	
99 sec-Butylbenzene	105	11.417	11.417	0.0	95	452430	10.2	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	96	196898	9.61	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	89	396677	10.2	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	87	198637	9.52	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	93	327277	10.2	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	95	188241	9.80	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	61	8623	10.1	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	153617	10.2	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	135818	10.4	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	72719	11.3	
111 Naphthalene	128	13.440	13.440	0.0	97	246349	9.89	
112 1,2,3-Trichlorobenzene	180	13.630	13.629	0.001	94	116346	11.3	
S 137 Trihalomethanes, Total	1				0		39.6	
S 11 1,2-Dichloroethene, Total	96				0		19.9	
S 9 1,3-Dichloropropene, Total	75				0		19.0	
S 114 Xylenes, Total	106				0		29.9	

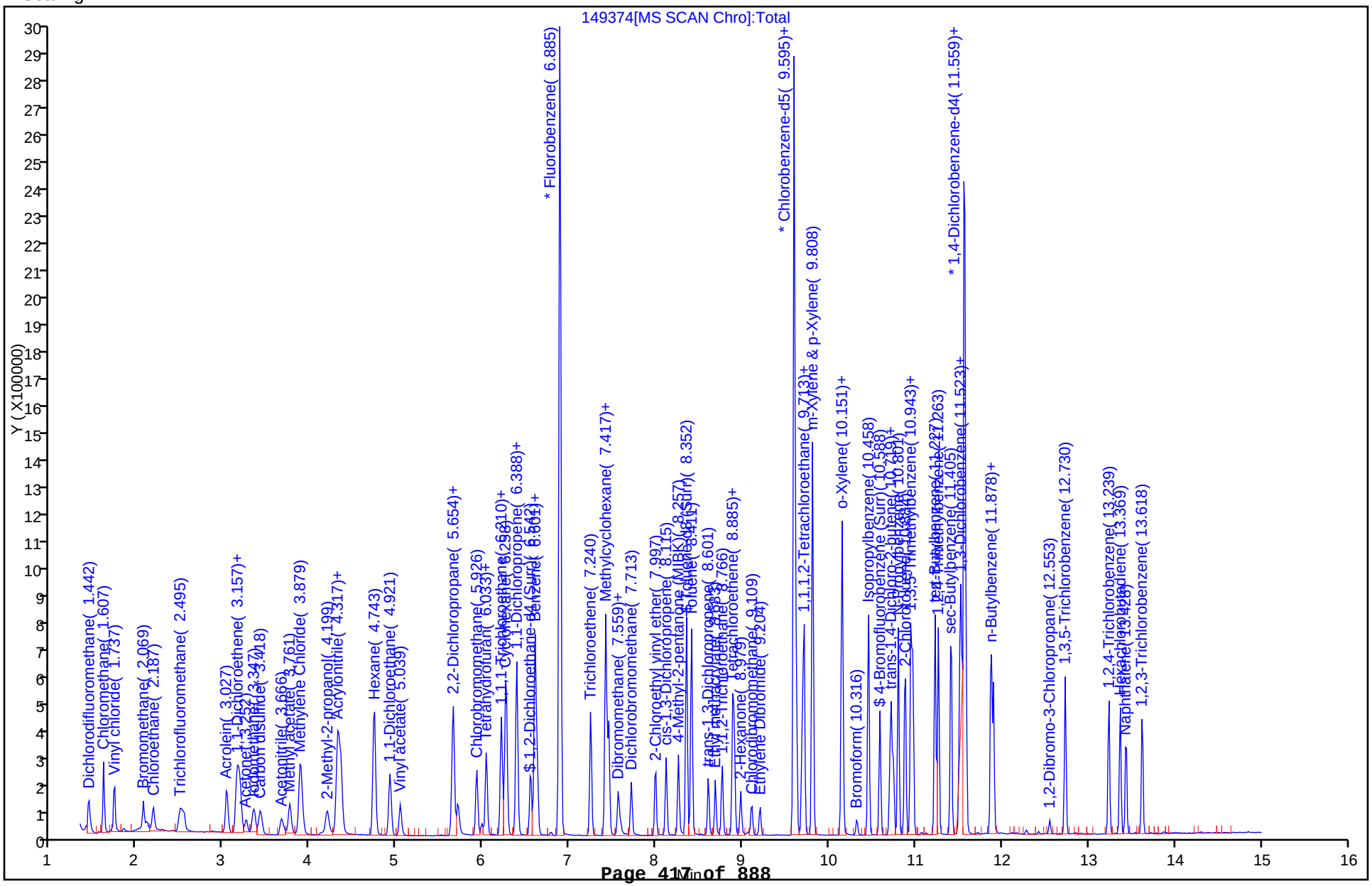
Report Date: 25-Nov-2012 10:56:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149374.D

Injection Date:	23-Nov-2012 11:59:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149375.D
Lims ID: IC Client ID:
Inject. Date: 23-Nov-2012 12:20:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: ic
Misc. Info.: 240-0015202-009 =240-0015202-009
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 66063 Lims Sample ID: 9
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m
Last Update: 25-Nov-2012 10:56:59 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK022

First Level Reviewer: macenczaks Date: 23-Nov-2012 12:45:22

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2095299	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	1301505	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.571	-0.001	99	652526	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	77	55296	4.69	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	95	78968	5.06	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	224046	4.62	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	75222	4.91	
12 Dichlorodifluoromethane	85	1.430	1.442	-0.012	87	66421	5.73	
13 Chloromethane	50	1.607	1.607	0.0	89	112573	5.42	
14 Vinyl chloride	62	1.725	1.737	-0.012	82	85754	5.51	
15 Bromomethane	94	2.069	2.069	0.0	90	23772	5.36	
16 Chloroethane	64	2.187	2.187	0.0	92	41276	5.33	
18 Trichlorofluoromethane	101	2.495	2.507	-0.012	84	55098	4.39	
20 Acrolein	56	3.027	3.039	-0.012	96	75677	48.8	
21 1,1-Dichloroethene	96	3.145	3.157	-0.012	83	46444	4.89	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.193	-0.012	83	46638	5.27	
22 Acetone	43	3.252	3.264	-0.012	98	50674	10.3	
24 Iodomethane	142	3.347	3.347	-0.001	98	80237	4.94	
26 Carbon disulfide	76	3.418	3.430	-0.012	97	80051	5.95	
27 Acetonitrile	41	3.666	3.666	0.0	97	67286	57.9	
28 Methyl acetate	43	3.761	3.761	0.0	98	95398	9.59	
30 Methylene Chloride	84	3.891	3.891	0.0	89	88373	4.96	
31 2-Methyl-2-propanol	59	4.198	4.199	-0.001	87	65140	99.9	
32 Acrylonitrile	53	4.305	4.305	0.0	98	44170	9.84	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	54759	4.89	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	85	113758	4.69	
35 Hexane	86	4.743	4.743	0.0	94	15357	5.09	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	119188	4.84	
37 Vinyl acetate	86	5.039	5.039	0.0	96	5169	4.10	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	60	34957	4.16	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	58883	4.89	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	95	53368	10.4	
47 Chlorobromomethane	128	5.926	5.926	0.0	88	26555	4.81	
48 Tetrahydrofuran	42	5.985	5.985	0.0	87	17224	5.15	
49 Chloroform	83	6.033	6.033	0.0	83	91173	4.76	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	86	62298	4.32	
51 Cyclohexane	56	6.257	6.269	-0.012	91	155572	4.97	
53 Carbon tetrachloride	117	6.388	6.388	0.0	57	50721	5.49	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	76755	4.97	
55 Benzene	78	6.601	6.601	0.0	96	211186	4.89	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	89	89587	5.03	
60 Trichloroethene	130	7.240	7.240	0.0	90	61752	5.02	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	105624	4.88	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	91	62253	4.89	
65 Dibromomethane	93	7.559	7.559	0.0	86	24709	4.90	
66 1,4-Dioxane	88	7.595	7.583	0.012	93	16965	262.7	
67 Dichlorobromomethane	83	7.713	7.713	0.0	89	41174	5.90	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	89	44513	9.26	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	78	46949	5.89	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	87120	8.97	
72 Toluene	91	8.411	8.411	0.0	96	215082	4.78	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	90	35399	5.83	
74 Ethyl methacrylate	69	8.683	8.683	0.0	90	35513	4.13	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	33036	4.88	
77 Tetrachloroethene	164	8.884	8.884	0.0	89	47550	4.77	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	92	56683	4.68	
78 2-Hexanone	43	8.979	8.979	0.0	97	53191	9.28	
79 Chlorodibromomethane	129	9.109	9.109	0.0	85	22652	6.07	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	30524	4.58	
82 Chlorobenzene	112	9.618	9.618	0.0	90	142741	4.94	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	81	36199	3.85	
84 Ethylbenzene	106	9.713	9.713	0.0	98	73171	4.82	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	97	179076	9.66	
85 o-Xylene	106	10.150	10.151	-0.001	94	86667	4.84	
86 Styrene	104	10.162	10.162	0.0	94	121218	4.73	
87 Bromoform	173	10.316	10.328	-0.012	96	10487	6.34	
88 Isopropylbenzene	105	10.458	10.458	0.0	97	224515	4.85	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	84	34173	4.67	
91 Bromobenzene	156	10.718	10.719	-0.001	91	56096	4.91	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	78	11833	4.88	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.754	-0.012	56	12620	4.36	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	62765	4.83	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	59268	5.00	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	95	183769	4.78	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	57427	4.99	
97 tert-Butylbenzene	119	11.227	11.227	0.0	84	180325	4.90	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	95	182276	4.79	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	96	238798	4.92	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	96	110957	4.95	
101 4-Isopropyltoluene	119	11.523	11.535	-0.012	87	204133	4.77	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	76	113948	4.99	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	170870	4.85	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	107410	5.11	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	-0.001	52	3720	4.87	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	98	83678	5.08	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	72154	5.02	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	38674	5.50	
111 Naphthalene	128	13.440	13.440	0.0	97	128229	4.70	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	95	62905	5.56	
S 137 Trihalomethanes, Total	1				0		23.1	
S 11 1,2-Dichloroethene, Total	96				0		9.78	
S 9 1,3-Dichloropropene, Total	75				0		11.7	
S 114 Xylenes, Total	106				0		14.5	

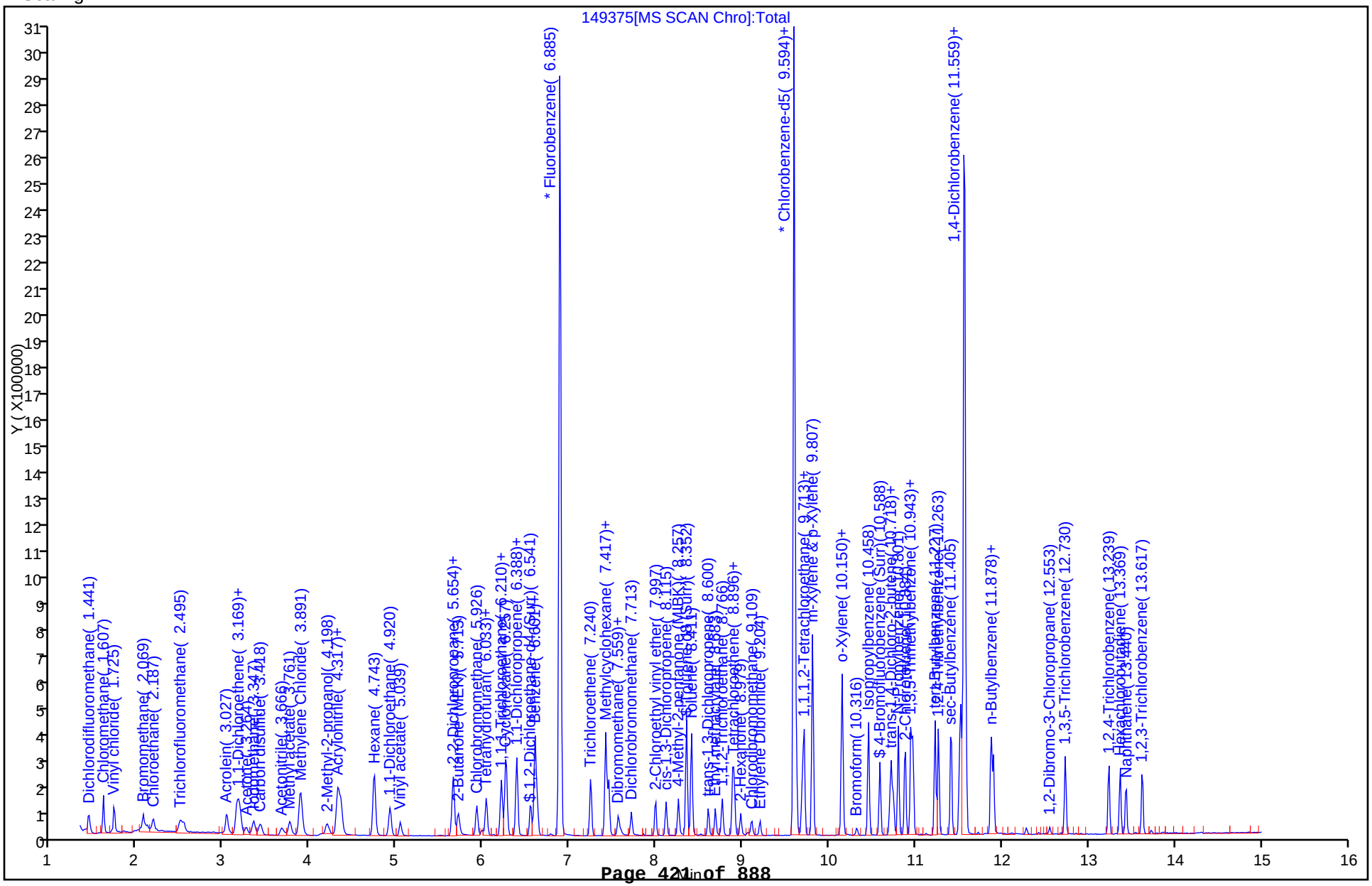
Report Date: 25-Nov-2012 10:56:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149375.D

Injection Date:	23-Nov-2012 12:20:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	9
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149376.D
Lims ID: IC Client ID:
Inject. Date: 23-Nov-2012 12:42:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: ic
Misc. Info.: 240-0015202-010 =240-0015202-010
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 66063 Lims Sample ID: 10
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m
Last Update: 25-Nov-2012 10:57:00 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK022

First Level Reviewer: macenczaks Date: 23-Nov-2012 13:10:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2071416	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	1193284	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.571	0.0	99	605645	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	69	27428	2.00	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	91	41104	2.09	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	105837	1.88	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	34590	1.93	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	83	19301	1.69	
13 Chloromethane	50	1.607	1.607	0.0	88	40017	1.95	
14 Vinyl chloride	62	1.726	1.737	-0.011	83	27998	1.82	
15 Bromomethane	94	2.069	2.069	0.0	82	9983	2.28	
16 Chloroethane	64	2.187	2.187	0.0	89	14404	1.88	
18 Trichlorofluoromethane	101	2.495	2.507	-0.012	73	16017	1.29	
20 Acrolein	56	3.039	3.039	0.0	98	29606	19.3	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	82	14546	1.55	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.193	-0.012	76	12173	1.39	
22 Acetone	43	3.252	3.264	-0.012	98	29398	3.33	
24 Iodomethane	142	3.347	3.347	0.0	98	29515	1.84	
26 Carbon disulfide	76	3.429	3.430	-0.001	97	26333	3.91	
27 Acetonitrile	41	3.678	3.666	0.012	94	23041	20.0	
28 Methyl acetate	43	3.761	3.761	0.0	97	40305	4.10	
30 Methylene Chloride	84	3.891	3.891	0.0	87	59928	2.20	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	75	23532	36.5	
32 Acrylonitrile	53	4.305	4.305	0.0	95	18143	4.09	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	21426	1.94	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	82	45857	1.91	
35 Hexane	86	4.743	4.743	0.0	94	3472	1.16	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	46179	1.90	
37 Vinyl acetate	86	5.039	5.039	0.0	96	1931	1.55	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	61	13303	1.60	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	23816	2.00	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	56	21202	4.18	
47 Chlorobromomethane	128	5.926	5.926	0.0	85	10621	1.95	
48 Tetrahydrofuran	42	5.985	5.985	0.0	88	7007	2.12	
49 Chloroform	83	6.033	6.033	0.0	83	35951	1.90	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	82	20238	1.42	
51 Cyclohexane	56	6.258	6.269	-0.011	89	40901	1.32	
53 Carbon tetrachloride	117	6.388	6.388	0.0	52	15649	3.17	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	26073	1.71	
55 Benzene	78	6.601	6.601	0.0	95	85733	2.01	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	89	36072	2.05	
60 Trichloroethene	130	7.240	7.240	0.0	91	22139	1.82	
63 Methylcyclohexane	83	7.417	7.417	0.0	88	25517	1.19	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	89	22531	1.79	
65 Dibromomethane	93	7.559	7.559	0.0	87	9887	1.98	
66 1,4-Dioxane	88	7.595	7.583	0.012	88	4837	75.8	
67 Dichlorobromomethane	83	7.713	7.713	0.0	84	15328	3.89	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	86	13811	2.91	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	70	15732	3.86	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	93	32291	3.63	
72 Toluene	91	8.411	8.411	0.0	96	78684	1.91	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	88	12407	4.06	
74 Ethyl methacrylate	69	8.683	8.683	0.0	80	11710	1.49	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	91	11765	1.90	
77 Tetrachloroethene	164	8.884	8.884	0.0	88	16091	1.76	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	92	22589	2.03	
78 2-Hexanone	43	8.979	8.979	0.0	93	20050	3.82	
79 Chlorodibromomethane	129	9.109	9.109	0.0	79	7092	4.37	
123 Ethylene Dibromide	107	9.204	9.204	0.0	97	10473	1.71	
82 Chlorobenzene	112	9.618	9.618	0.0	89	54167	2.05	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	77	12800	1.48	
84 Ethylbenzene	106	9.713	9.713	0.0	98	26338	1.89	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	63524	3.74	
85 o-Xylene	106	10.151	10.151	0.0	94	30688	1.87	
86 Styrene	104	10.162	10.162	0.0	93	40370	1.72	
87 Bromoform	173	10.316	10.328	-0.012	78	3636	4.53	
88 Isopropylbenzene	105	10.458	10.458	0.0	97	72611	1.71	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	73	11789	1.73	
91 Bromobenzene	156	10.719	10.719	0.0	95	20069	1.89	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	79	4446	1.97	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.754	-0.012	49	5072	1.89	
94 N-Propylbenzene	120	10.801	10.801	0.0	98	19813	1.64	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	21191	1.93	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	88	59056	1.65	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	19845	1.86	
97 tert-Butylbenzene	119	11.227	11.227	0.0	90	54199	1.59	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	61593	1.75	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	95	72080	1.60	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	42165	2.02	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	93	62549	1.58	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	80	45245	2.13	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	95	53226	1.63	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	94	41130	2.11	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	24	1571	3.01	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	94	31289	2.05	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	29600	2.22	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	91	12336	1.89	
111 Naphthalene	128	13.440	13.440	0.0	97	53764	2.12	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	92	26757	2.55	
S 137 Trihalomethanes, Total	1				0		14.7	
S 11 1,2-Dichloroethene, Total	96				0		3.94	
S 9 1,3-Dichloropropene, Total	75				0		7.93	
S 114 Xylenes, Total	106				0		5.61	

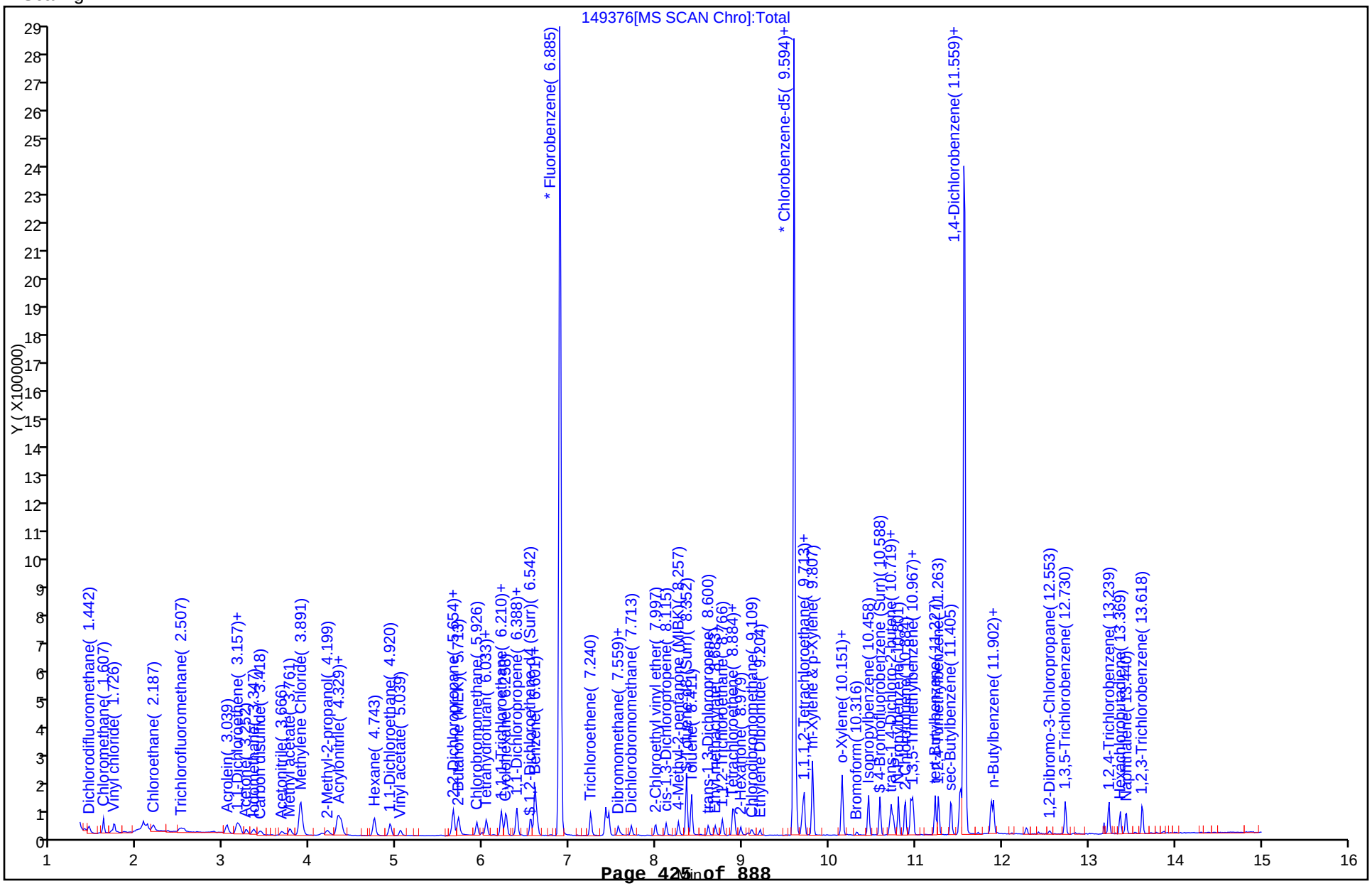
Report Date: 25-Nov-2012 10:57:00 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149376.D

Injection Date:	23-Nov-2012 12:42:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	10
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Lims ID: IC Client ID:
Inject. Date: 23-Nov-2012 13:03:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: ic
Misc. Info.: 240-0015202-011 =240-0015202-011
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 66063 Lims Sample ID: 11
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m
Last Update: 25-Nov-2012 10:57:01 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK022

First Level Reviewer: macenczaks Date: 23-Nov-2012 13:57:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2034319	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	96	1145130	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.571	-0.001	98	580051	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	57	17742	1.08	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.553	0.0	94	26652	0.9603	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	75369	1.13	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	85	24266	1.14	
12 Dichlorodifluoromethane	85	1.441	1.442	-0.001	82	8996	0.7999	
13 Chloromethane	50	1.607	1.607	0.0	88	21055	1.04	
14 Vinyl chloride	62	1.725	1.737	-0.012	81	13377	0.8845	
15 Bromomethane	94	2.069	2.069	0.0	86	6055	1.41	
16 Chloroethane	64	2.187	2.187	0.0	81	7797	1.04	
18 Trichlorofluoromethane	101	2.495	2.507	-0.012	57	6234	0.5122	
20 Acrolein	56	3.027	3.039	-0.012	90	15924	10.6	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	83	7956	0.8632	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.193	-0.012	75	6520	0.7588	
22 Acetone	43	3.264	3.264	0.0	95	25637	2.23	
24 Iodomethane	142	3.347	3.347	0.0	95	15012	0.9523	
26 Carbon disulfide	76	3.418	3.430	-0.012	93	13440	3.42	
27 Acetonitrile	41	3.678	3.666	0.012	91	11784	10.4	
28 Methyl acetate	43	3.773	3.761	0.012	97	24047	2.49	
30 Methylene Chloride	84	3.891	3.891	0.0	87	44144	0.6969	
31 2-Methyl-2-propanol	59	4.187	4.199	-0.012	74	15899	25.1	
32 Acrylonitrile	53	4.305	4.305	0.0	65	9143	2.10	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	82	10173	0.9362	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	82	23918	1.01	
35 Hexane	86	4.755	4.743	0.012	90	2912	0.99	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	78	23497	0.9825	
37 Vinyl acetate	86	5.051	5.039	0.011	84	869	0.7106	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	50	6276	0.7689	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	73	11935	1.02	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	40	14819	2.98	
47 Chlorobromomethane	128	5.926	5.926	0.0	78	5586	1.04	
48 Tetrahydrofuran	42	5.997	5.985	0.012	82	3200	0.9854	
49 Chloroform	83	6.033	6.033	0.0	77	17979	0.9675	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	57	10575	0.7552	
51 Cyclohexane	56	6.257	6.269	-0.012	92	22873	0.7526	
53 Carbon tetrachloride	117	6.388	6.388	0.0	56	9125	2.75	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	79	13780	0.9198	
55 Benzene	78	6.601	6.601	0.0	93	43114	1.03	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	83	17668	1.02	
60 Trichloroethene	130	7.240	7.240	0.0	85	11047	0.9242	
63 Methylcyclohexane	83	7.417	7.417	0.0	92	15176	0.7224	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	82	11841	0.9580	
65 Dibromomethane	93	7.559	7.559	0.0	80	4689	0.9571	
66 1,4-Dioxane	88	7.595	7.583	0.012	60	3184	50.8	
67 Dichlorobromomethane	83	7.713	7.713	0.0	77	6757	3.22	
69 2-Chloroethyl vinyl ether	63	7.985	7.997	-0.012	81	6391	1.37	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	62	7674	3.34	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	89	15932	1.86	
72 Toluene	91	8.411	8.411	0.0	96	39445	1.00	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	77	4941	3.42	
74 Ethyl methacrylate	69	8.683	8.683	0.0	85	6575	0.8689	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	5717	0.9596	
77 Tetrachloroethene	164	8.884	8.884	0.0	88	9618	1.10	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	87	11238	1.05	
78 2-Hexanone	43	8.979	8.979	0.0	95	10026	1.99	
79 Chlorodibromomethane	129	9.109	9.109	0.0	60	3689	3.96	
123 Ethylene Dibromide	107	9.204	9.204	0.0	79	5657	0.9644	
82 Chlorobenzene	112	9.618	9.618	0.0	85	26252	1.03	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	73	5797	0.7004	
84 Ethylbenzene	106	9.713	9.713	0.0	98	12565	0.9408	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	97	30925	1.90	
85 o-Xylene	106	10.150	10.151	-0.001	92	15394	0.9761	
86 Styrene	104	10.162	10.162	0.0	90	18870	0.8363	
87 Bromoform	173	10.316	10.328	-0.012	60	1835	4.01	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	35626	0.8749	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	74	5771	0.8864	
91 Bromobenzene	156	10.718	10.719	-0.001	90	11195	1.10	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	49	2090	0.9687	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	36	2665	1.04	
94 N-Propylbenzene	120	10.801	10.801	0.0	96	9883	0.8551	
95 2-Chlorotoluene	126	10.884	10.884	0.0	92	10657	1.01	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	28449	0.8318	
104 4-Chlorotoluene	126	10.967	10.967	0.0	96	10431	1.02	
97 tert-Butylbenzene	119	11.227	11.227	0.0	85	26131	0.7990	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	91	30810	0.9116	
99 sec-Butylbenzene	105	11.405	11.417	-0.012	91	32164	0.7460	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	76	22331	1.12	
101 4-Isopropyltoluene	119	11.535	11.535	0.0	91	29647	0.7797	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	70	23029	1.13	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	96	25348	0.8089	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	93	20575	1.10	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	1	654	2.13	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	90	15180	1.04	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	90	15109	1.18	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	78	6035	0.9654	
111 Naphthalene	128	13.440	13.440	0.0	93	28642	1.18	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	89	13401	1.33	
S 137 Trihalomethanes, Total	1				0		12.2	
S 11 1,2-Dichloroethene, Total	96				0		1.96	
S 9 1,3-Dichloropropene, Total	75				0		6.76	
S 114 Xylenes, Total	106				0		2.87	

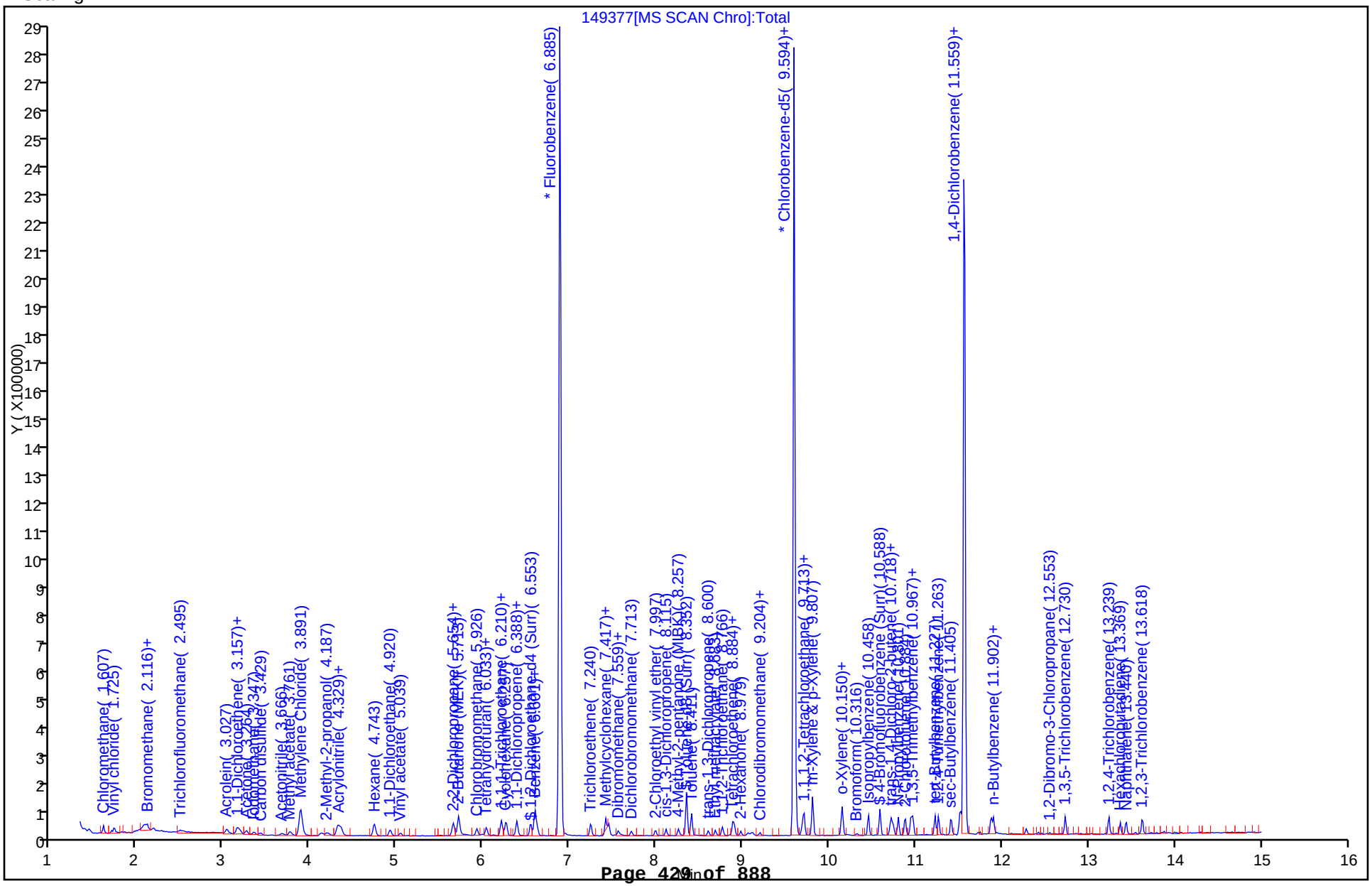
Report Date: 25-Nov-2012 10:57:01 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D

Injection Date:	23-Nov-2012 13:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	11
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-64678/14 Calibration Date: 11/12/2012 19:38

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX0858.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1993	0.2177	0.1000	0.0109	0.0100	9.2	20.0
Chloromethane	Ave	0.3843	0.4089	0.1000	0.0106	0.0100	6.4	20.0
Vinyl chloride	Ave	0.3042	0.3274	0.1000	0.0108	0.0100	7.6	20.0
Bromomethane	Ave	0.1423	0.1415	0.0500	0.00995	0.0100	-0.5	20.0
Chloroethane	Ave	0.1471	0.1461	0.0500	0.00994	0.0100	-0.6	20.0
Trichlorofluoromethane	Ave	0.2208	0.2292	0.1000	0.0104	0.0100	3.8	20.0
Acrolein	Ave	0.0354	0.0322		0.0273	0.0300	-9.1	20.0
1,1-Dichloroethene	Ave	0.2447	0.2686	0.1000	0.0110	0.0100	9.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1853	0.1927	0.0500	0.0104	0.0100	4.0	20.0
Acetone	Lin1		0.0905	0.0500	0.0235	0.0200	17.4	20.0
Iodomethane	Ave	0.4163	0.4678		0.0112	0.0100	12.4	20.0
Carbon disulfide	Ave	0.7761	0.8842	0.1000	0.0114	0.0100	13.9	20.0
Acetonitrile	Qua		0.0389		0.0360	0.0300	19.9	20.0
Methyl acetate	Ave	0.2338	0.2379	0.1000	0.0102	0.0100	1.8	20.0
Methylene Chloride	Ave	0.3451	0.3445	0.1000	0.00998	0.0100	-0.2	20.0
2-Methyl-2-propanol	Ave	0.0202	0.0243		0.240	0.200	20.0	20.0
Acrylonitrile	Ave	0.1172	0.1200		0.0307	0.0300	2.4	20.0
Methyl tert-butyl ether	Ave	0.8708	0.9193	0.1000	0.0106	0.0100	5.6	20.0
trans-1,2-Dichloroethene	Ave	0.2998	0.3211	0.1000	0.0107	0.0100	7.1	20.0
1,1-Dichloroethane	Ave	0.5111	0.5533	0.1000	0.0108	0.0100	8.3	20.0
Vinyl acetate	Ave	0.0530	0.0512		0.00965	0.0100	-3.5	20.0
2-Butanone (MEK)	Ave	0.1314	0.1294	0.0500	0.0197	0.0200	-1.5	20.0
cis-1,2-Dichloroethene	Ave	0.3334	0.3559	0.1000	0.0107	0.0100	6.8	20.0
2,2-Dichloropropane	Ave	0.2926	0.2874		0.00982	0.0100	-1.8	20.0
Bromochloromethane	Ave	0.1617	0.1710		0.0106	0.0100	5.8	20.0
Chloroform	Ave	0.5145	0.5187	0.2000	0.0101	0.0100	0.8	20.0
1,1,1-Trichloroethane	Ave	0.3526	0.3649	0.1000	0.0103	0.0100	3.5	20.0
Cyclohexane	Ave	0.3996	0.3715	0.1000	0.00930	0.0100	-7.0	20.0
1,1-Dichloropropene	Ave	0.3619	0.3605		0.00996	0.0100	-0.4	20.0
Carbon tetrachloride	Ave	0.2845	0.2865	0.1000	0.0101	0.0100	0.7	20.0
1,2-Dichloroethane	Ave	0.3706	0.3907	0.1000	0.0105	0.0100	5.4	20.0
Benzene	Ave	1.258	1.315	0.5000	0.0105	0.0100	4.5	20.0
Trichloroethene	Ave	0.3103	0.3241	0.2000	0.0104	0.0100	4.4	20.0
1,2-Dichloropropane	Ave	0.2919	0.3068	0.1000	0.0105	0.0100	5.1	20.0
Methylcyclohexane	Ave	0.3294	0.2903	0.1000	0.00881	0.0100	-11.9	20.0
Dibromomethane	Ave	0.1691	0.1838		0.0109	0.0100	8.7	20.0
Bromodichloromethane	Ave	0.3468	0.3667	0.1000	0.0106	0.0100	5.7	20.0
cis-1,3-Dichloropropene	Ave	0.4281	0.4242	0.1500	0.00991	0.0100	-0.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2537	0.2677	0.0500	0.0211	0.0200	5.5	20.0
Toluene	Ave	1.886	1.874	0.4000	0.00994	0.0100	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-64678/14 Calibration Date: 11/12/2012 19:38

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX0858.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.5342	0.5486	0.1000	0.0103	0.0100	2.7	20.0
1,1,2-Trichloroethane	Ave	0.3821	0.3892	0.1000	0.0102	0.0100	1.9	20.0
1,3-Dichloropropane	Ave	0.6731	0.6835		0.0102	0.0100	1.5	20.0
Tetrachloroethene	Ave	0.3403	0.3254	0.2000	0.00956	0.0100	-4.4	20.0
2-Hexanone	Ave	0.2308	0.2374	0.0500	0.0206	0.0200	2.9	20.0
Dibromochloromethane	Ave	0.3707	0.3744		0.0101	0.0100	1.0	20.0
1,2-Dibromoethane	Ave	0.3704	0.3750		0.0101	0.0100	1.2	20.0
Chlorobenzene	Ave	1.193	1.189	0.3000	0.00997	0.0100	-0.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4139	0.4132		0.00998	0.0100	-0.2	20.0
Ethylbenzene	Ave	0.5964	0.6087		0.0102	0.0100	2.1	20.0
m-Xylene & p-Xylene	Ave	0.7563	0.7570		0.0200	0.0200	0.0	20.0
o-Xylene	Ave	0.7419	0.7763		0.0105	0.0100	4.6	20.0
Styrene	Ave	1.191	1.255	0.3000	0.0105	0.0100	5.4	20.0
Bromoform	Ave	0.2244	0.2208	0.1000	0.00984	0.0100	-1.6	20.0
Isopropylbenzene	Ave	1.667	1.686	0.1000	0.0101	0.0100	1.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9320	0.8642	0.3000	0.00927	0.0100	-7.3	20.0
Bromobenzene	Ave	0.9309	0.9092		0.00977	0.0100	-2.3	20.0
1,2,3-Trichloropropane	Ave	0.3012	0.2962		0.00983	0.0100	-1.7	20.0
N-Propylbenzene	Ave	0.8226	0.7998		0.00972	0.0100	-2.8	20.0
2-Chlorotoluene	Ave	0.8267	0.8033		0.00972	0.0100	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	2.535	2.532		0.00999	0.0100	-0.1	20.0
4-Chlorotoluene	Ave	0.8808	0.8572		0.00973	0.0100	-2.7	20.0
tert-Butylbenzene	Ave	2.082	1.937		0.00931	0.0100	-6.9	20.0
1,2,4-Trimethylbenzene	Ave	2.621	2.638		0.0101	0.0100	0.6	20.0
sec-Butylbenzene	Ave	2.652	2.466		0.00930	0.0100	-7.0	20.0
1,3-Dichlorobenzene	Ave	1.669	1.586	0.6000	0.00950	0.0100	-5.0	20.0
4-Isopropyltoluene	Ave	2.229	2.186		0.00981	0.0100	-1.9	20.0
1,4-Dichlorobenzene	Ave	1.798	1.663	0.5000	0.00925	0.0100	-7.5	20.0
n-Butylbenzene	Ave	1.765	1.649		0.00935	0.0100	-6.5	20.0
1,2-Dichlorobenzene	Ave	1.670	1.583	0.4000	0.00948	0.0100	-5.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1572	0.1402	0.0500	0.00892	0.0100	-10.8	20.0
1,2,4-Trichlorobenzene	Ave	0.8483	0.6689	0.2000	0.00788	0.0100	-21.2*	20.0
Hexachlorobutadiene	Qua		0.2368		0.00685	0.0100	-31.5*	20.0
Naphthalene	Ave	2.585	1.767		0.00683	0.0100	-31.7*	20.0
1,2,3-Trichlorobenzene	Ave	0.9161	0.6183		0.00675	0.0100	-32.5*	20.0
Dibromofluoromethane (Surr)	Ave	0.2739	0.2738		0.0100	0.0100	-0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3219	0.3335		0.0104	0.0100	3.6	20.0
Toluene-d8 (Surr)	Ave	1.574	1.567		0.00996	0.0100	-0.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5205	0.5217		0.0100	0.0100	0.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0858.D
Lims ID: ICV Client ID:
Inject. Date: 12-Nov-2012 19:38:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014871-014
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 64678 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:23:03 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

First Level Reviewer: quayler Date: 13-Nov-2012 09:00:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.204	-0.001	99	1733806	10.0	
* 2 Chlorobenzene-d5	117	7.877	7.878	-0.001	84	1200825	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	86	656657	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.627	0.008	67	474779	10.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.923	-0.003	0	578230	10.4	
$ 7 Toluene-d8 (Surr)	98	6.564	6.567	-0.003	93	1881686	9.96	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	90	626481	10.0	
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	96	377423	10.9	
13 Chloromethane	50	1.689	1.704	-0.015	88	708928	10.6	
14 Vinyl chloride	62	1.795	1.799	-0.004	94	567623	10.8	
16 Bromomethane	94	2.091	2.094	-0.003	90	245374	9.95	
17 Chloroethane	64	2.174	2.177	-0.003	94	253349	9.94	
19 Trichlorofluoromethane	101	2.387	2.390	-0.003	98	397419	10.4	
20 Ethyl ether	59	2.600	2.601	-0.001	88	482426	11.0	
21 Acrolein	56	2.707	2.698	0.009	90	167384	27.3	
23 1,1-Dichloroethene	96	2.813	2.816	-0.003	94	465617	11.0	
24 Acetone	43	2.825	2.828	-0.003	89	313899	23.5	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.840	-0.015	83	334041	10.4	
26 Iodomethane	142	2.943	2.935	0.008	96	811057	11.2	
27 Carbon disulfide	76	3.002	3.006	-0.004	98	1533075	11.4	
28 Acetonitrile	41	3.050	3.053	-0.003	98	202282	36.0	
30 Methyl acetate	43	3.097	3.100	-0.003	95	412477	10.2	
31 Methylene Chloride	84	3.192	3.195	-0.003	88	597311	9.98	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	99	841124	240.0	
33 Acrylonitrile	53	3.381	3.384	-0.003	99	624148	30.7	
35 Methyl tert-butyl ether	73	3.428	3.432	-0.004	85	1593919	10.6	
34 trans-1,2-Dichloroethene	96	3.428	3.432	-0.004	60	556717	10.7	
36 Hexane	86	3.665	3.656	0.009	91	78615	9.48	
37 1,1-Dichloroethane	63	3.771	3.775	-0.004	85	959371	10.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.795	3.798	-0.003	97	88731	9.65	
39 Isopropyl ether	87	3.819	3.820	-0.001	95	542311	10.8	
42 2-Butanone (MEK)	43	4.245	4.236	0.009	68	448547	19.7	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	81	617044	10.7	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	88	498345	9.82	
48 Chlorobromomethane	128	4.446	4.449	-0.003	88	296503	10.6	
49 Tetrahydrofuran	42	4.493	4.485	0.008	94	171312	10.2	
50 Chloroform	83	4.493	4.497	-0.004	81	899259	10.1	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	88	632699	10.3	
52 Cyclohexane	56	4.742	4.745	-0.003	87	644176	9.30	
53 1,1-Dichloropropene	75	4.813	4.804	0.009	96	625005	9.96	
54 Carbon tetrachloride	117	4.825	4.816	0.009	78	496653	10.1	
55 Isobutyl alcohol	41	4.848	4.849	-0.001	95	803006	506.1	
56 1,2-Dichloroethane	62	4.978	4.982	-0.004	53	677427	10.5	
57 Benzene	78	4.978	4.982	-0.004	94	2280048	10.5	
61 Trichloroethene	130	5.523	5.514	0.009	92	561868	10.4	
63 Methylcyclohexane	83	5.700	5.703	-0.003	83	503273	8.81	
64 1,2-Dichloropropane	63	5.700	5.703	-0.003	86	531900	10.5	
66 Dibromomethane	93	5.807	5.798	0.009	85	318627	10.9	
68 Dichlorobromomethane	83	5.925	5.928	-0.003	100	635754	10.6	
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	91	286052	9.96	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	92	735422	9.91	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	95	928124	21.1	
73 Toluene	91	6.623	6.626	-0.003	98	2250888	9.94	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	88	658804	10.3	
76 1,1,2-Trichloroethane	97	6.966	6.970	-0.004	91	467380	10.2	
77 1,3-Dichloropropane	76	7.120	7.123	-0.003	91	820723	10.2	
78 Tetrachloroethene	164	7.132	7.135	-0.003	92	390726	9.56	
79 2-Hexanone	43	7.179	7.183	-0.004	96	570251	20.6	
81 Chlorodibromomethane	129	7.333	7.336	-0.003	90	449523	10.1	
83 Ethylene Dibromide	107	7.451	7.455	-0.004	99	450271	10.1	
85 Chlorobenzene	112	7.913	7.904	0.009	97	1427849	9.97	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.975	-0.003	84	496117	9.98	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	730912	10.2	
88 m-Xylene & p-Xylene	106	8.114	8.117	-0.003	99	1818083	20.0	
89 o-Xylene	106	8.493	8.496	-0.003	90	932232	10.5	
90 Styrene	104	8.505	8.508	-0.003	93	1507119	10.5	
91 Bromoform	173	8.682	8.685	-0.003	98	265154	9.84	
92 Isopropylbenzene	105	8.848	8.851	-0.003	95	2025033	10.1	
94 Cyclohexanone	55	8.931	8.932	-0.001	88	376968	51.9	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.111	-0.003	93	567498	9.27	
96 Bromobenzene	156	9.144	9.147	-0.003	92	597026	9.77	
97 1,2,3-Trichloropropane	110	9.155	9.159	-0.004	72	194508	9.83	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.170	-0.003	74	235546	17.6	
99 N-Propylbenzene	120	9.250	9.241	0.009	97	525200	9.72	
100 2-Chlorotoluene	126	9.333	9.336	-0.003	97	527466	9.72	
101 1,3,5-Trimethylbenzene	105	9.416	9.407	0.009	92	1662869	9.99	
102 4-Chlorotoluene	126	9.439	9.431	0.008	96	562871	9.73	
103 tert-Butylbenzene	119	9.735	9.738	-0.003	85	1271954	9.31	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	76	1732194	10.1	
105 sec-Butylbenzene	105	9.948	9.951	-0.003	92	1619588	9.30	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	97	1041473	9.50	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.090	10.093	-0.003	93	1435438	9.81	
108 1,4-Dichlorobenzene	146	10.149	10.153	-0.004	94	1091774	9.25	
109 1,2,3-Trimethylbenzene	105	10.197	10.198	-0.001	95	1858034	10.3	
110 n-Butylbenzene	91	10.493	10.496	-0.004	94	1082803	9.35	
111 1,2-Dichlorobenzene	146	10.516	10.519	-0.003	97	1039465	9.48	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.289	-0.004	83	92074	8.92	
114 1,2,4-Trichlorobenzene	180	12.125	12.129	-0.004	93	439209	7.88	
115 Hexachlorobutadiene	225	12.303	12.306	-0.003	95	155523	6.85	
116 Naphthalene	128	12.374	12.377	-0.003	100	1160078	6.83	
117 1,2,3-Trichlorobenzene	180	12.622	12.626	-0.004	99	406007	6.75	
S 119 Trihalomethanes, Total	1				0		40.6	
S 120 1,2-Dichloroethene, Total	96				0		21.4	
S 122 Xylenes, Total	106				0		30.5	

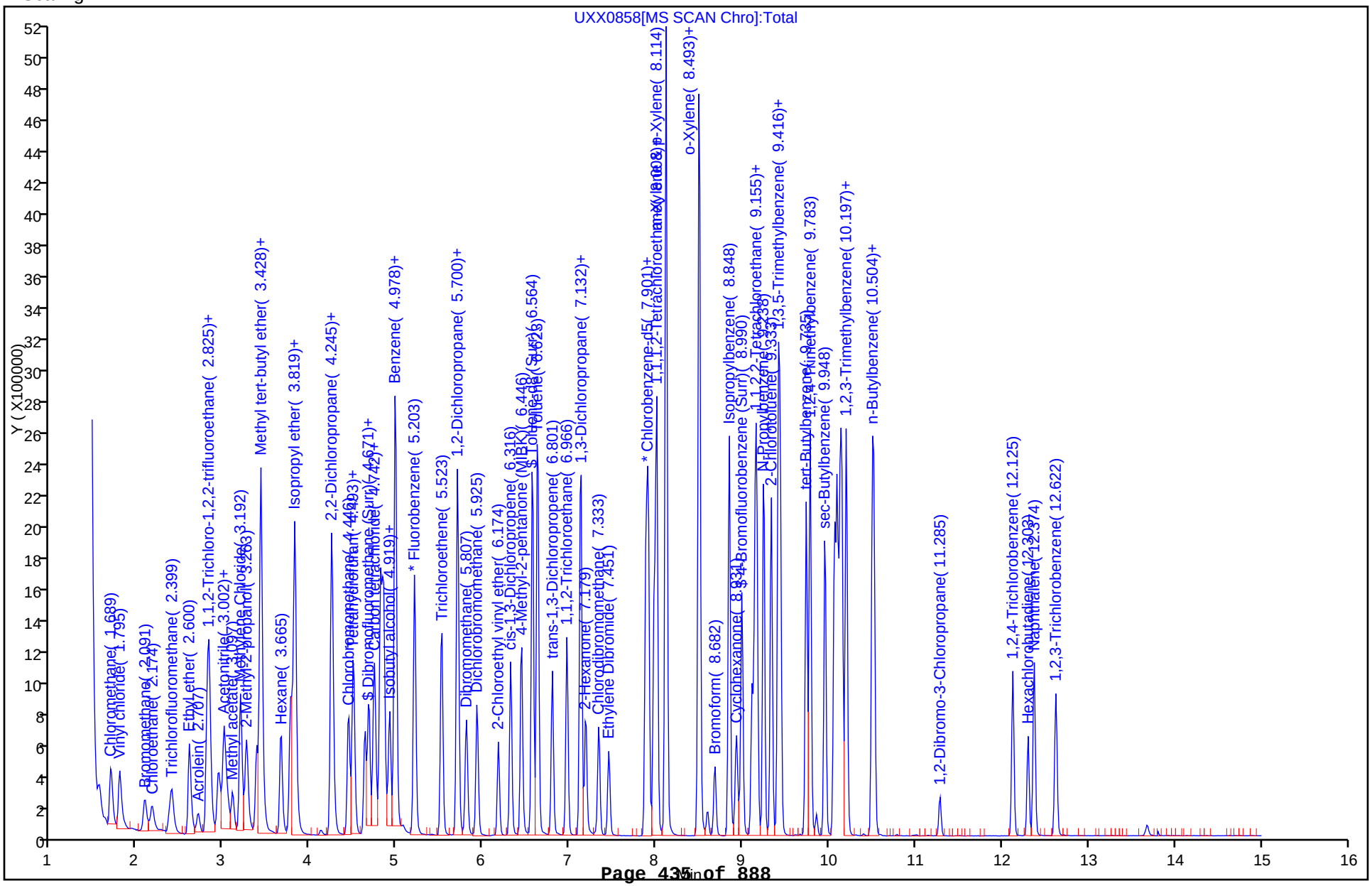
Report Date: 14-Nov-2012 12:23:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0858.D

Injection Date:	12-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-64678/14 Calibration Date: 11/12/2012 19:38

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 17:24

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 19:16

Lab File ID: UXX0858.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isobutyl alcohol	Ave	0.0132	0.0134		0.506	0.500	1.2	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0858.D
Lims ID: ICV Client ID:
Inject. Date: 12-Nov-2012 19:38:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0014871-014
Misc. Info.: P21112A-IC,8260LLUX10,,1904 =P21112A-IC,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 64678 Lims Sample ID: 14
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m
Last Update: 14-Nov-2012 12:23:03 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK005

First Level Reviewer: quayler Date: 13-Nov-2012 09:00:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.204	-0.001	99	1733806	10.0	
* 2 Chlorobenzene-d5	117	7.877	7.878	-0.001	84	1200825	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.127	-0.001	86	656657	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.627	0.008	67	474779	10.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.923	-0.003	0	578230	10.4	
$ 7 Toluene-d8 (Surr)	98	6.564	6.567	-0.003	93	1881686	9.96	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	90	626481	10.0	
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	96	377423	10.9	
13 Chloromethane	50	1.689	1.704	-0.015	88	708928	10.6	
14 Vinyl chloride	62	1.795	1.799	-0.004	94	567623	10.8	
16 Bromomethane	94	2.091	2.094	-0.003	90	245374	9.95	
17 Chloroethane	64	2.174	2.177	-0.003	94	253349	9.94	
19 Trichlorofluoromethane	101	2.387	2.390	-0.003	98	397419	10.4	
20 Ethyl ether	59	2.600	2.601	-0.001	88	482426	11.0	
21 Acrolein	56	2.707	2.698	0.009	90	167384	27.3	
23 1,1-Dichloroethene	96	2.813	2.816	-0.003	94	465617	11.0	
24 Acetone	43	2.825	2.828	-0.003	89	313899	23.5	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.840	-0.015	83	334041	10.4	
26 Iodomethane	142	2.943	2.935	0.008	96	811057	11.2	
27 Carbon disulfide	76	3.002	3.006	-0.004	98	1533075	11.4	
28 Acetonitrile	41	3.050	3.053	-0.003	98	202282	36.0	
30 Methyl acetate	43	3.097	3.100	-0.003	95	412477	10.2	
31 Methylene Chloride	84	3.192	3.195	-0.003	88	597311	9.98	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	99	841124	240.0	
33 Acrylonitrile	53	3.381	3.384	-0.003	99	624148	30.7	
35 Methyl tert-butyl ether	73	3.428	3.432	-0.004	85	1593919	10.6	
34 trans-1,2-Dichloroethene	96	3.428	3.432	-0.004	60	556717	10.7	
36 Hexane	86	3.665	3.656	0.009	91	78615	9.48	
37 1,1-Dichloroethane	63	3.771	3.775	-0.004	85	959371	10.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Vinyl acetate	86	3.795	3.798	-0.003	97	88731	9.65	
39 Isopropyl ether	87	3.819	3.820	-0.001	95	542311	10.8	
42 2-Butanone (MEK)	43	4.245	4.236	0.009	68	448547	19.7	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	81	617044	10.7	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	88	498345	9.82	
48 Chlorobromomethane	128	4.446	4.449	-0.003	88	296503	10.6	
49 Tetrahydrofuran	42	4.493	4.485	0.008	94	171312	10.2	
50 Chloroform	83	4.493	4.497	-0.004	81	899259	10.1	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	88	632699	10.3	
52 Cyclohexane	56	4.742	4.745	-0.003	87	644176	9.30	
53 1,1-Dichloropropene	75	4.813	4.804	0.009	96	625005	9.96	
54 Carbon tetrachloride	117	4.825	4.816	0.009	78	496653	10.1	
55 Isobutyl alcohol	41	4.848	4.849	-0.001	95	803006	506.1	
56 1,2-Dichloroethane	62	4.978	4.982	-0.004	53	677427	10.5	
57 Benzene	78	4.978	4.982	-0.004	94	2280048	10.5	
61 Trichloroethene	130	5.523	5.514	0.009	92	561868	10.4	
63 Methylcyclohexane	83	5.700	5.703	-0.003	83	503273	8.81	
64 1,2-Dichloropropane	63	5.700	5.703	-0.003	86	531900	10.5	
66 Dibromomethane	93	5.807	5.798	0.009	85	318627	10.9	
68 Dichlorobromomethane	83	5.925	5.928	-0.003	100	635754	10.6	
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	91	286052	9.96	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	92	735422	9.91	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	95	928124	21.1	
73 Toluene	91	6.623	6.626	-0.003	98	2250888	9.94	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	88	658804	10.3	
76 1,1,2-Trichloroethane	97	6.966	6.970	-0.004	91	467380	10.2	
77 1,3-Dichloropropane	76	7.120	7.123	-0.003	91	820723	10.2	
78 Tetrachloroethene	164	7.132	7.135	-0.003	92	390726	9.56	
79 2-Hexanone	43	7.179	7.183	-0.004	96	570251	20.6	
81 Chlorodibromomethane	129	7.333	7.336	-0.003	90	449523	10.1	
83 Ethylene Dibromide	107	7.451	7.455	-0.004	99	450271	10.1	
85 Chlorobenzene	112	7.913	7.904	0.009	97	1427849	9.97	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.975	-0.003	84	496117	9.98	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	730912	10.2	
88 m-Xylene & p-Xylene	106	8.114	8.117	-0.003	99	1818083	20.0	
89 o-Xylene	106	8.493	8.496	-0.003	90	932232	10.5	
90 Styrene	104	8.505	8.508	-0.003	93	1507119	10.5	
91 Bromoform	173	8.682	8.685	-0.003	98	265154	9.84	
92 Isopropylbenzene	105	8.848	8.851	-0.003	95	2025033	10.1	
94 Cyclohexanone	55	8.931	8.932	-0.001	88	376968	51.9	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.111	-0.003	93	567498	9.27	
96 Bromobenzene	156	9.144	9.147	-0.003	92	597026	9.77	
97 1,2,3-Trichloropropane	110	9.155	9.159	-0.004	72	194508	9.83	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.170	-0.003	74	235546	17.6	
99 N-Propylbenzene	120	9.250	9.241	0.009	97	525200	9.72	
100 2-Chlorotoluene	126	9.333	9.336	-0.003	97	527466	9.72	
101 1,3,5-Trimethylbenzene	105	9.416	9.407	0.009	92	1662869	9.99	
102 4-Chlorotoluene	126	9.439	9.431	0.008	96	562871	9.73	
103 tert-Butylbenzene	119	9.735	9.738	-0.003	85	1271954	9.31	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	76	1732194	10.1	
105 sec-Butylbenzene	105	9.948	9.951	-0.003	92	1619588	9.30	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	97	1041473	9.50	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.090	10.093	-0.003	93	1435438	9.81	
108 1,4-Dichlorobenzene	146	10.149	10.153	-0.004	94	1091774	9.25	
109 1,2,3-Trimethylbenzene	105	10.197	10.198	-0.001	95	1858034	10.3	
110 n-Butylbenzene	91	10.493	10.496	-0.004	94	1082803	9.35	
111 1,2-Dichlorobenzene	146	10.516	10.519	-0.003	97	1039465	9.48	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.289	-0.004	83	92074	8.92	
114 1,2,4-Trichlorobenzene	180	12.125	12.129	-0.004	93	439209	7.88	
115 Hexachlorobutadiene	225	12.303	12.306	-0.003	95	155523	6.85	
116 Naphthalene	128	12.374	12.377	-0.003	100	1160078	6.83	
117 1,2,3-Trichlorobenzene	180	12.622	12.626	-0.004	99	406007	6.75	
S 119 Trihalomethanes, Total	1				0		40.6	
S 120 1,2-Dichloroethene, Total	96				0		21.4	
S 122 Xylenes, Total	106				0		30.5	

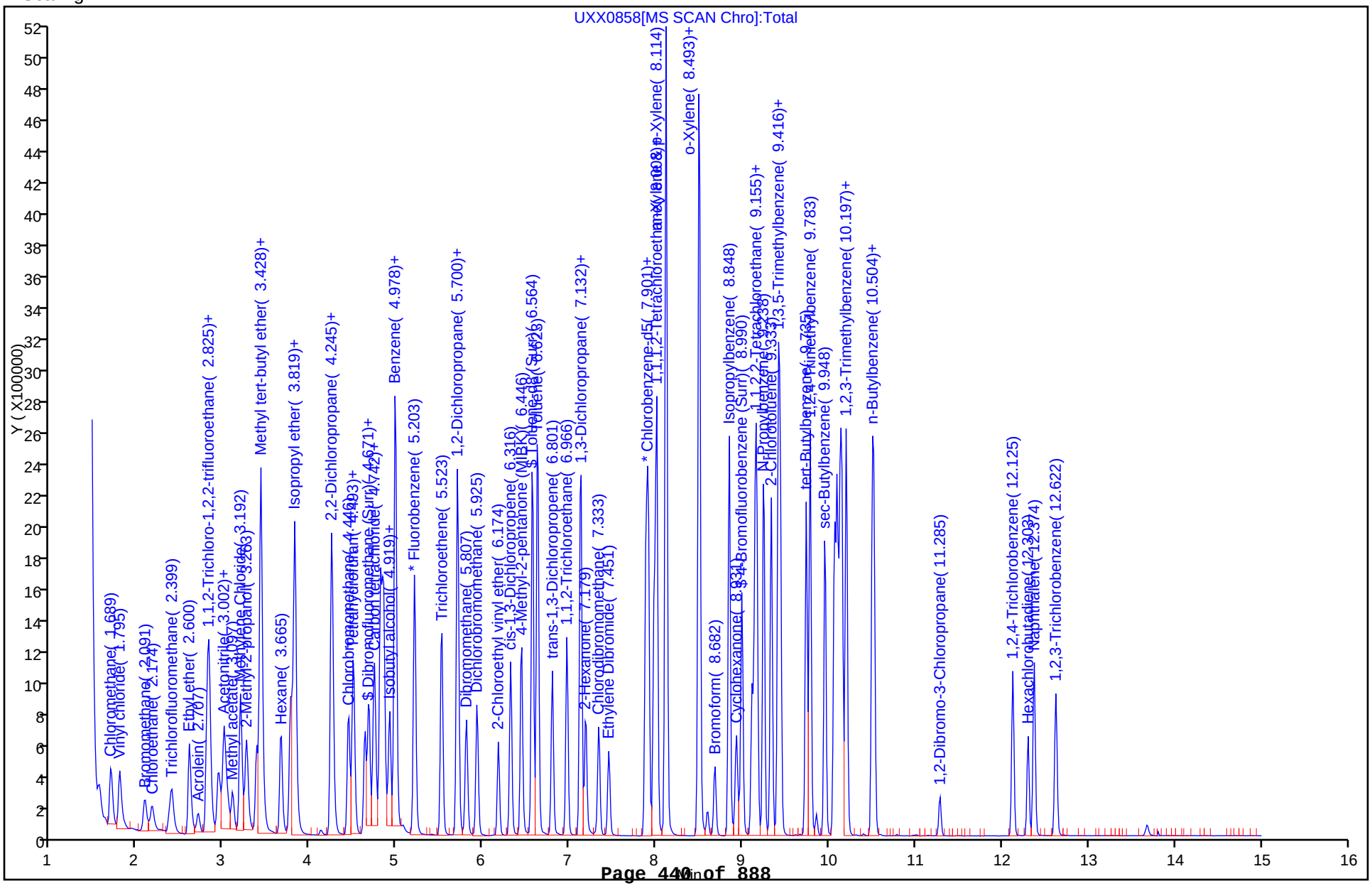
Report Date: 14-Nov-2012 12:23:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0858.D

Injection Date:	12-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	14
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: CCV 240-65929/2 Calibration Date: 11/21/2012 10:30

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX1128.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1993	0.2644	0.1000	0.0133	0.0100	32.7*	20.0
Chloromethane	Ave	0.3843	0.4114	0.1000	0.0107	0.0100	7.0	20.0
Vinyl chloride	Ave	0.3042	0.3492	0.1000	0.0115	0.0100	14.8	20.0
Bromomethane	Ave	0.1423	0.1266	0.0500	0.00890	0.0100	-11.0	20.0
Chloroethane	Ave	0.1471	0.1327	0.0500	0.00902	0.0100	-9.8	20.0
Trichlorofluoromethane	Ave	0.2208	0.2216	0.1000	0.0100	0.0100	0.4	20.0
Acrolein	Ave	0.0354	0.0404		0.114	0.100	14.0	20.0
1,1-Dichloroethene	Ave	0.2447	0.2566	0.1000	0.0105	0.0100	4.9	20.0
Acetone	Lin1		0.0809	0.0500	0.0208	0.0200	4.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1853	0.1799	0.0500	0.00971	0.0100	-2.9	20.0
Iodomethane	Ave	0.4163	0.4004		0.00962	0.0100	-3.8	20.0
Carbon disulfide	Ave	0.7761	0.8847	0.1000	0.0114	0.0100	14.0	20.0
Acetonitrile	Qua		0.0263		0.0873	0.100	-12.7	20.0
Methyl acetate	Ave	0.2338	0.2365	0.1000	0.0202	0.0200	1.2	20.0
Methylene Chloride	Ave	0.3451	0.3950	0.1000	0.0114	0.0100	14.4	20.0
2-Methyl-2-propanol	Ave	0.0202	0.0149		0.147	0.200	-26.5*	20.0
Acrylonitrile	Ave	0.1172	0.1205		0.0206	0.0200	2.8	20.0
Methyl tert-butyl ether	Ave	0.8708	0.8411	0.1000	0.00966	0.0100	-3.4	20.0
trans-1,2-Dichloroethene	Ave	0.2998	0.3141	0.1000	0.0105	0.0100	4.8	20.0
1,1-Dichloroethane	Ave	0.5111	0.5568	0.1000	0.0109	0.0100	8.9	20.0
Vinyl acetate	Ave	0.0530	0.0588		0.0111	0.0100	10.9	20.0
2-Butanone (MEK)	Ave	0.1314	0.1243	0.0500	0.0189	0.0200	-5.4	20.0
cis-1,2-Dichloroethene	Ave	0.3334	0.3371	0.1000	0.0101	0.0100	1.1	20.0
2,2-Dichloropropane	Ave	0.2926	0.2521		0.00862	0.0100	-13.8	20.0
Bromochloromethane	Ave	0.1617	0.1619		0.0100	0.0100	0.1	20.0
Chloroform	Ave	0.5145	0.5419	0.2000	0.0105	0.0100	5.3	20.0
1,1,1-Trichloroethane	Ave	0.3526	0.3540	0.1000	0.0100	0.0100	0.4	20.0
Cyclohexane	Ave	0.3996	0.4147	0.1000	0.0104	0.0100	3.8	20.0
1,1-Dichloropropene	Ave	0.3619	0.3790		0.0105	0.0100	4.7	20.0
Carbon tetrachloride	Ave	0.2845	0.2976	0.1000	0.0105	0.0100	4.6	20.0
1,2-Dichloroethane	Ave	0.3706	0.4048	0.1000	0.0109	0.0100	9.2	20.0
Benzene	Ave	1.258	1.303	0.5000	0.0104	0.0100	3.6	20.0
Trichloroethene	Ave	0.3103	0.3002	0.2000	0.00968	0.0100	-3.2	20.0
1,2-Dichloropropane	Ave	0.2919	0.3126	0.1000	0.0107	0.0100	7.1	20.0
Methylcyclohexane	Ave	0.3294	0.3114	0.1000	0.00945	0.0100	-5.5	20.0
Dibromomethane	Ave	0.1691	0.1704		0.0101	0.0100	0.8	20.0
Bromodichloromethane	Ave	0.3468	0.3666	0.1000	0.0106	0.0100	5.7	20.0
cis-1,3-Dichloropropene	Ave	0.4281	0.4271	0.1500	0.00998	0.0100	-0.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2537	0.2514	0.0500	0.0198	0.0200	-0.9	20.0
Toluene	Ave	1.886	2.040	0.4000	0.0108	0.0100	8.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: CCV 240-65929/2 Calibration Date: 11/21/2012 10:30

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX1128.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,3-Dichloropropene	Ave	0.5342	0.5612	0.1000	0.0105	0.0100	5.1	20.0
1,1,2-Trichloroethane	Ave	0.3821	0.4021	0.1000	0.0105	0.0100	5.2	20.0
1,3-Dichloropropane	Ave	0.6731	0.7057		0.0105	0.0100	4.8	20.0
Tetrachloroethene	Ave	0.3403	0.3443	0.2000	0.0101	0.0100	1.2	20.0
2-Hexanone	Ave	0.2308	0.2393	0.0500	0.0207	0.0200	3.7	20.0
Dibromochloromethane	Ave	0.3707	0.3934		0.0106	0.0100	6.1	20.0
1,2-Dibromoethane	Ave	0.3704	0.3686		0.00995	0.0100	-0.5	20.0
Chlorobenzene	Ave	1.193	1.203	0.3000	0.0101	0.0100	0.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4139	0.4368		0.0106	0.0100	5.5	20.0
Ethylbenzene	Ave	0.5964	0.6299		0.0106	0.0100	5.6	20.0
m-Xylene & p-Xylene	Ave	0.7563	0.8024		0.0212	0.0200	6.1	20.0
o-Xylene	Ave	0.7419	0.8053		0.0109	0.0100	8.5	20.0
Styrene	Ave	1.191	1.274	0.3000	0.0107	0.0100	7.0	20.0
Bromoform	Ave	0.2244	0.2141	0.1000	0.00954	0.0100	-4.6	20.0
Isopropylbenzene	Ave	1.667	1.734	0.1000	0.0104	0.0100	4.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9320	0.9558	0.3000	0.0103	0.0100	2.6	20.0
Bromobenzene	Ave	0.9309	0.8977		0.00964	0.0100	-3.6	20.0
1,2,3-Trichloropropane	Ave	0.3012	0.3079		0.0102	0.0100	2.2	20.0
N-Propylbenzene	Ave	0.8226	0.8496		0.0103	0.0100	3.3	20.0
2-Chlorotoluene	Ave	0.8267	0.8447		0.0102	0.0100	2.2	20.0
1,3,5-Trimethylbenzene	Ave	2.535	2.742		0.0108	0.0100	8.2	20.0
4-Chlorotoluene	Ave	0.8808	0.8870		0.0101	0.0100	0.7	20.0
tert-Butylbenzene	Ave	2.082	2.121		0.0102	0.0100	1.9	20.0
1,2,4-Trimethylbenzene	Ave	2.621	2.853		0.0109	0.0100	8.8	20.0
sec-Butylbenzene	Ave	2.652	2.703		0.0102	0.0100	1.9	20.0
1,3-Dichlorobenzene	Ave	1.669	1.599	0.6000	0.00958	0.0100	-4.2	20.0
4-Isopropyltoluene	Ave	2.229	2.303		0.0103	0.0100	3.3	20.0
1,4-Dichlorobenzene	Ave	1.798	1.724	0.5000	0.00959	0.0100	-4.1	20.0
n-Butylbenzene	Ave	1.765	1.760		0.00997	0.0100	-0.3	20.0
1,2-Dichlorobenzene	Ave	1.670	1.667	0.4000	0.00998	0.0100	-0.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1572	0.1335	0.0500	0.00849	0.0100	-15.1	20.0
1,2,4-Trichlorobenzene	Ave	0.8483	0.6782	0.2000	0.00800	0.0100	-20.0	20.0
Hexachlorobutadiene	Qua		0.2708		0.00801	0.0100	-19.9	20.0
Naphthalene	Ave	2.585	1.742		0.00674	0.0100	-32.6*	20.0
1,2,3-Trichlorobenzene	Ave	0.9161	0.6269		0.00684	0.0100	-31.6*	20.0
Dibromofluoromethane (Surr)	Ave	0.2739	0.2772		0.0101	0.0100	1.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3219	0.3247		0.0101	0.0100	0.9	20.0
Toluene-d8 (Surr)	Ave	1.574	1.670		0.0106	0.0100	6.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5205	0.4967		0.00954	0.0100	-4.6	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1128.D
Lims ID: CCVIS L4 8260 Client ID:
Inject. Date: 21-Nov-2012 10:30:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015165-002
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 65929 Lims Sample ID: 2
Sublist: chrom-8260_10*sub25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121121-15165.b\8260_10.m
Last Update: 23-Nov-2012 08:56:26 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK024

First Level Reviewer: quayler Date: 21-Nov-2012 10:49:10

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.206	5.206	0.0	99	2007495	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	83	1292840	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	90	677607	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.626	4.626	0.0	58	556473	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.922	4.922	0.0	0	651810	10.1	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	93	2158818	10.6	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	90	642132	9.54	
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	87	530747	13.3	
13 Chloromethane	50	1.704	1.704	0.0	99	825790	10.7	
14 Vinyl chloride	62	1.798	1.798	0.0	82	700927	11.5	
16 Bromomethane	94	2.094	2.094	0.0	87	254223	8.90	
17 Chloroethane	64	2.177	2.177	0.0	98	266411	9.02	
19 Trichlorofluoromethane	101	2.402	2.402	0.0	97	444837	10.0	
21 Acrolein	56	2.710	2.710	0.0	94	810587	114.0	
23 1,1-Dichloroethene	96	2.804	2.804	0.0	90	515190	10.5	
24 Acetone	43	2.828	2.828	0.0	98	324755	20.8	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.840	2.840	0.0	84	361176	9.71	
26 Iodomethane	142	2.934	2.934	0.0	97	803798	9.62	
27 Carbon disulfide	76	3.005	3.005	0.0	99	1776037	11.4	
28 Acetonitrile	41	3.053	3.053	0.0	100	526964	87.3	
30 Methyl acetate	43	3.100	3.100	0.0	96	949722	20.2	
31 Methylene Chloride	84	3.195	3.195	0.0	86	792865	11.4	
32 2-Methyl-2-propanol	59	3.266	3.266	0.0	97	596317	146.9	
33 Acrylonitrile	53	3.384	3.384	0.0	99	483871	20.6	
34 trans-1,2-Dichloroethene	96	3.431	3.431	0.0	65	630525	10.5	
35 Methyl tert-butyl ether	73	3.431	3.431	0.0	91	1688447	9.66	
36 Hexane	86	3.668	3.668	0.0	93	92632	9.65	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	85	1117721	10.9	
38 Vinyl acetate	86	3.798	3.798	0.0	97	118065	11.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
42 2-Butanone (MEK)	43	4.236	4.236	0.0	92	499109	18.9	
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	82	676783	10.1	
44 2,2-Dichloropropane	77	4.260	4.260	0.0	90	506114	8.62	
48 Chlorobromomethane	128	4.437	4.437	0.0	97	324970	10.0	
50 Chloroform	83	4.496	4.496	0.0	81	1087949	10.5	
49 Tetrahydrofuran	42	4.496	4.496	0.0	75	164653	8.26	
51 1,1,1-Trichloroethane	97	4.674	4.674	0.0	88	710575	10.0	
52 Cyclohexane	56	4.745	4.745	0.0	88	832496	10.4	
53 1,1-Dichloropropene	75	4.816	4.816	0.0	94	760793	10.5	
54 Carbon tetrachloride	117	4.828	4.828	0.0	82	597355	10.5	
56 1,2-Dichloroethane	62	4.981	4.981	0.0	47	812708	10.9	
57 Benzene	78	4.981	4.981	0.0	94	2616572	10.4	
61 Trichloroethene	130	5.526	5.526	0.0	94	602722	9.68	
63 Methylcyclohexane	83	5.703	5.703	0.0	82	625039	9.45	
64 1,2-Dichloropropane	63	5.703	5.703	0.0	82	627495	10.7	
66 Dibromomethane	93	5.798	5.798	0.0	92	342003	10.1	
67 1,4-Dioxane	88	5.810	5.810	0.0	39	130236	194.9	
68 Dichlorobromomethane	83	5.928	5.928	0.0	94	735867	10.6	
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	92	620649	18.7	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	92	857413	9.98	
72 4-Methyl-2-pentanone (MIBK)	43	6.437	6.437	0.0	97	1009373	19.8	
73 Toluene	91	6.626	6.626	0.0	96	2637314	10.8	
74 trans-1,3-Dichloropropene	75	6.804	6.804	0.0	89	725585	10.5	
75 Ethyl methacrylate	69	6.875	6.875	0.0	89	657328	10.4	
76 1,1,2-Trichloroethane	97	6.969	6.969	0.0	85	519803	10.5	
77 1,3-Dichloropropane	76	7.123	7.123	0.0	93	912357	10.5	
78 Tetrachloroethene	164	7.135	7.135	0.0	88	445059	10.1	
79 2-Hexanone	43	7.182	7.182	0.0	95	618685	20.7	
81 Chlorodibromomethane	129	7.336	7.336	0.0	88	508540	10.6	
83 Ethylene Dibromide	107	7.455	7.455	0.0	100	476573	9.95	
85 Chlorobenzene	112	7.904	7.904	0.0	93	1554861	10.1	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.975	0.0	88	564754	10.6	
87 Ethylbenzene	106	8.011	8.011	0.0	97	814359	10.6	
88 m-Xylene & p-Xylene	106	8.117	8.117	0.0	99	2074817	21.2	
89 o-Xylene	106	8.496	8.496	0.0	93	1041166	10.9	
90 Styrene	104	8.508	8.508	0.0	93	1646952	10.7	
91 Bromoform	173	8.685	8.685	0.0	98	276757	9.54	
92 Isopropylbenzene	105	8.851	8.851	0.0	95	2241381	10.4	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.111	0.0	94	647641	10.3	
96 Bromobenzene	156	9.147	9.147	0.0	90	608256	9.64	
97 1,2,3-Trichloropropane	110	9.158	9.158	0.0	74	208649	10.2	
98 trans-1,4-Dichloro-2-butene	53	9.170	9.170	0.0	71	128773	9.55	
99 N-Propylbenzene	120	9.241	9.241	0.0	98	575710	10.3	
100 2-Chlorotoluene	126	9.336	9.336	0.0	96	572401	10.2	
101 1,3,5-Trimethylbenzene	105	9.419	9.419	0.0	93	1857760	10.8	
102 4-Chlorotoluene	126	9.431	9.431	0.0	98	601038	10.1	
103 tert-Butylbenzene	119	9.738	9.738	0.0	82	1436892	10.2	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	72	1932954	10.9	
105 sec-Butylbenzene	105	9.951	9.951	0.0	93	1831356	10.2	
106 1,3-Dichlorobenzene	146	10.070	10.070	0.0	85	1083663	9.58	
107 4-Isopropyltoluene	119	10.093	10.093	0.0	97	1560395	10.3	
108 1,4-Dichlorobenzene	146	10.152	10.152	0.0	94	1168093	9.59	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
110 n-Butylbenzene	91	10.496	10.496	0.0	98	1192324	9.97	
111 1,2-Dichlorobenzene	146	10.519	10.519	0.0	97	1129515	9.98	
112 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.0	78	90487	8.49	
113 1,3,5-Trichlorobenzene	180	11.513	11.513	0.0	96	560228	8.88	
114 1,2,4-Trichlorobenzene	180	12.128	12.128	0.0	92	459557	8.00	
115 Hexachlorobutadiene	225	12.306	12.306	0.0	94	183485	8.01	
116 Naphthalene	128	12.377	12.377	0.0	100	1180357	6.74	
117 1,2,3-Trichlorobenzene	180	12.625	12.625	0.0	99	424809	6.84	
S 119 Trihalomethanes, Total	1				0		41.3	
S 120 1,2-Dichloroethene, Total	96				0		20.6	
S 121 1,3-Dichloropropene, Total	75				0		20.5	
S 122 Xylenes, Total	106				0		32.1	

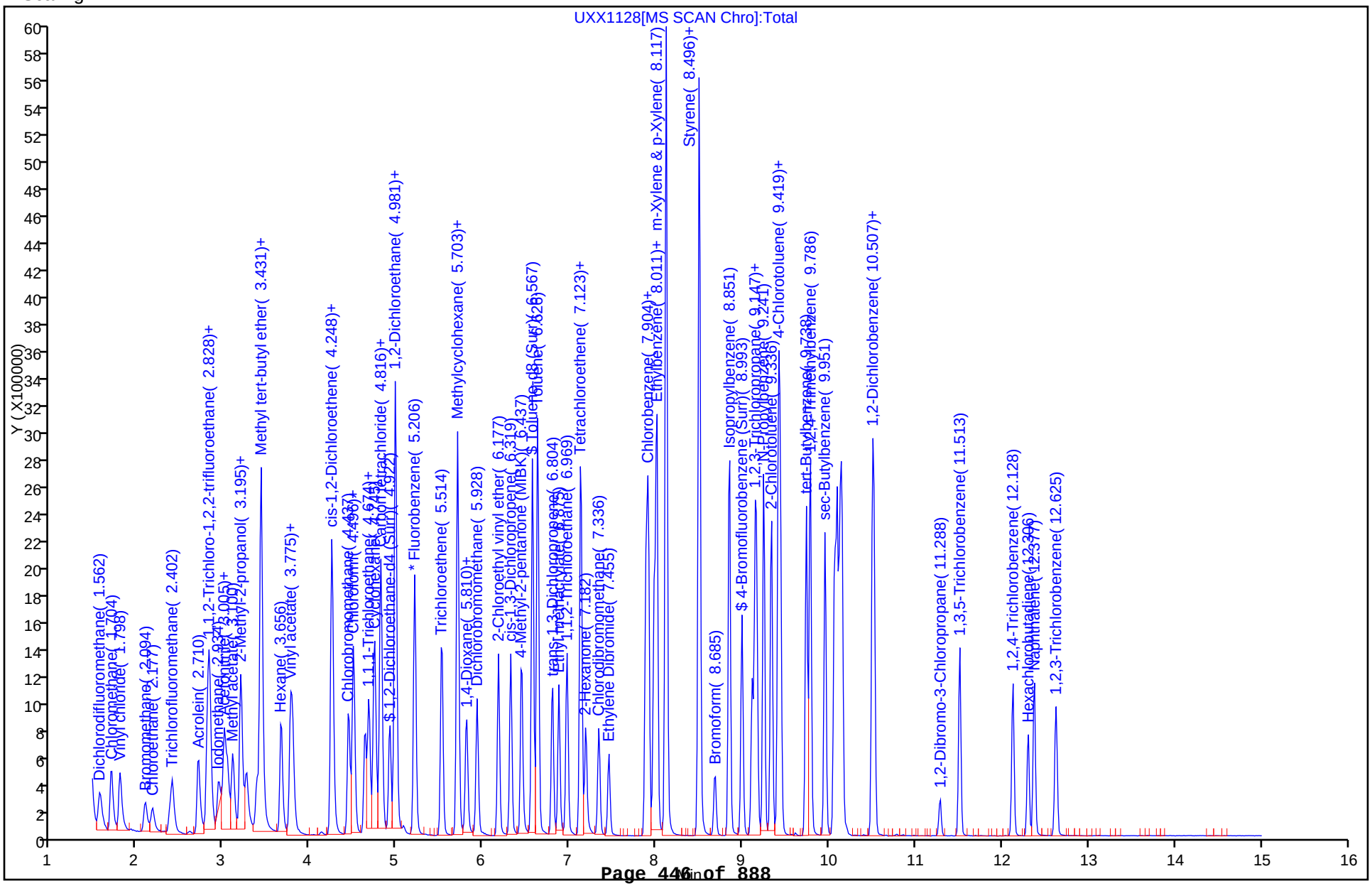
Report Date: 23-Nov-2012 08:56:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1128.D

Injection Date:	21-Nov-2012 10:30:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	2
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: LODV 240-65929/21 Calibration Date: 11/21/2012 17:51

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX1147.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1993			0.000770	0.000500		
Chloromethane	Ave	0.3843			0.000543	0.000500		
Vinyl chloride	Ave	0.3042			0.000629	0.000500		
Bromomethane	Ave	0.1423			0.000593	0.000500		
Chloroethane	Ave	0.1471			0.000545	0.000500		
Trichlorofluoromethane	Ave	0.2208			0.000641	0.000500		
Acrolein	Ave	0.0354			0.00499	0.00500		
1,1-Dichloroethene	Ave	0.2447			0.000611	0.000500		
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1853			0.000548	0.000500		
Acetone	Lin1				0.00285	0.00500		
Iodomethane	Ave	0.4163			0.000605	0.000500		
Carbon disulfide	Ave	0.7761			0.000601	0.000500		
Acetonitrile	Qua				0.0200	0.00500		
Methyl acetate	Ave	0.2338			0.00123	0.00100		
Methylene Chloride	Ave	0.3451			0.00204	0.000500		
2-Methyl-2-propanol	Ave	0.0202			0.00849	0.0100		
Acrylonitrile	Ave	0.1172			0.00200	0.00100		
Methyl tert-butyl ether	Ave	0.8708			0.000513	0.000500		
trans-1,2-Dichloroethene	Ave	0.2998			0.000544	0.000500		
Hexane	Ave	0.0478				0.000500		
1,1-Dichloroethane	Ave	0.5111			0.000600	0.000500		
Vinyl acetate	Ave	0.0530			0.000314	0.000500		
2-Butanone (MEK)	Ave	0.1314			0.00501	0.00500		
cis-1,2-Dichloroethene	Ave	0.3334			0.000519	0.000500		
2,2-Dichloropropane	Ave	0.2926			0.000468	0.000500		
Bromochloromethane	Ave	0.1617			0.000533	0.000500		
Chloroform	Ave	0.5145			0.000565	0.000500		
1,1,1-Trichloroethane	Ave	0.3526			0.000551	0.000500		
Cyclohexane	Ave	0.3996			0.000440	0.000500		
1,1-Dichloropropene	Ave	0.3619			0.000532	0.000500		
Carbon tetrachloride	Ave	0.2845			0.000527	0.000500		

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: LODV 240-65929/21 Calibration Date: 11/21/2012 17:51

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX1147.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane	Ave	0.3706			0.000610	0.000500		
Benzene	Ave	1.258			0.000602	0.000500		
Trichloroethene	Ave	0.3103			0.000512	0.000500		
1,2-Dichloropropane	Ave	0.2919			0.000535	0.000500		
Methylcyclohexane	Ave	0.3294			0.000389	0.000500		
1,4-Dioxane	Qua					0.0250		
Dibromomethane	Ave	0.1691			0.000542	0.000500		
Bromodichloromethane	Ave	0.3468			0.000509	0.000500		
2-Chloroethyl vinyl ether	Ave	0.1657				0.00100		
cis-1,3-Dichloropropene	Ave	0.4281			0.000408	0.000500		
4-Methyl-2-pentanone (MIBK)	Ave	0.2537			0.00479	0.00500		
Toluene	Ave	1.886			0.000594	0.000500		
trans-1,3-Dichloropropene	Ave	0.5342			0.000429	0.000500		
Ethyl methacrylate	Ave	0.4908				0.000500		
1,1,2-Trichloroethane	Ave	0.3821			0.000621	0.000500		
1,3-Dichloropropane	Ave	0.6731			0.000537	0.000500		
Tetrachloroethene	Ave	0.3403			0.000585	0.000500		
2-Hexanone	Ave	0.2308			0.00496	0.00500		
Dibromochloromethane	Ave	0.3707			0.000452	0.000500		
1,2-Dibromoethane	Ave	0.3704			0.000476	0.000500		
Chlorobenzene	Ave	1.193			0.000534	0.000500		
1,1,1,2-Tetrachloroethane	Ave	0.4139			0.000527	0.000500		
Ethylbenzene	Ave	0.5964			0.000460	0.000500		
m-Xylene & p-Xylene	Ave	0.7563			0.000801	0.00100		
o-Xylene	Ave	0.7419			0.000418	0.000500		
Styrene	Ave	1.191			0.000342	0.000500		
Bromoform	Ave	0.2244			0.000500	0.000500		
Isopropylbenzene	Ave	1.667			0.000373	0.000500		
1,1,2,2-Tetrachloroethane	Ave	0.9320			0.000657	0.000500		
Bromobenzene	Ave	0.9309			0.000501	0.000500		

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: LODV 240-65929/21 Calibration Date: 11/21/2012 17:51

Instrument ID: A3UX10 Calib Start Date: 11/12/2012 15:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/12/2012 17:02

Lab File ID: UXX1147.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.3012			0.000594	0.000500		
trans-1,4-Dichloro-2-butene	Lin1					0.000500		
N-Propylbenzene	Ave	0.8226			0.000464	0.000500		
2-Chlorotoluene	Ave	0.8267			0.000487	0.000500		
1,3,5-Trimethylbenzene	Ave	2.535			0.000402	0.000500		
4-Chlorotoluene	Ave	0.8808			0.000375	0.000500		
tert-Butylbenzene	Ave	2.082			0.000438	0.000500		
1,2,4-Trimethylbenzene	Ave	2.621			0.000418	0.000500		
sec-Butylbenzene	Ave	2.652			0.000385	0.000500		
1,3-Dichlorobenzene	Ave	1.669			0.000529	0.000500		
4-Isopropyltoluene	Ave	2.229			0.000360	0.000500		
1,4-Dichlorobenzene	Ave	1.798			0.000526	0.000500		
n-Butylbenzene	Ave	1.765			0.000441	0.000500		
1,2-Dichlorobenzene	Ave	1.670			0.000573	0.000500		
1,2-Dibromo-3-Chloropropane	Ave	0.1572			0.000500	0.000500		
1,3,5-Trichlorobenzene	Ave	0.9307				0.000500		
1,2,4-Trichlorobenzene	Ave	0.8483			0.000547	0.000500		
Hexachlorobutadiene	Qua				0.000569	0.000500		
Naphthalene	Ave	2.585			0.000483	0.000500		
1,2,3-Trichlorobenzene	Ave	0.9161			0.000564	0.000500		
Tetrahydrofuran	Qua					0.000500		
Dibromofluoromethane (Surr)	Ave	0.2739			0.0108	0.0100	108	85-115
1,2-Dichloroethane-d4 (Surr)	Ave	0.3219			0.0111	0.0100	111	70-120
Toluene-d8 (Surr)	Ave	1.574			0.0110	0.0100	110	85-120
4-Bromofluorobenzene (Surr)	Ave	0.5205			0.00855	0.0100	85	75-120

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1147.D
Lims ID: LODV Client ID:
Inject. Date: 21-Nov-2012 17:51:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015165-021
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 65929 Lims Sample ID: 21
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121121-15165.b\8260_10.m
Last Update: 23-Nov-2012 08:56:27 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK024

First Level Reviewer: quayler Date: 23-Nov-2012 08:35:18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.206	-0.001	99	1844789	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.881	-0.002	84	1125663	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	94	531924	10.0	
$ 4 BFB	95	3.430	3.746	-0.316	0	838	0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.626	0.011	59	547915	10.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.922	-0.001	0	661965	11.1	
$ 7 Toluene-d8 (Surr)	98	6.566	6.567	-0.001	93	1944720	11.0	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	90	500846	8.55	
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
12 Dichlorodifluoromethane	85	1.572	1.562	0.010	78	28313	0.7702	
13 Chloromethane	50	1.690	1.704	-0.014	96	38494	0.5430	
14 Vinyl chloride	62	1.797	1.798	-0.001	61	35284	0.6288	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.081	2.094	-0.013	73	15572	0.5933	
17 Chloroethane	64	2.164	2.177	-0.013	60	14796	0.5454	
18 Dichlorofluoromethane	67		2.331					
19 Trichlorofluoromethane	101	2.377	2.402	-0.025	70	26107	0.6409	
20 Ethyl ether	59		2.603					9
21 Acrolein	56	2.696	2.710	-0.014	77	32617	4.99	
23 1,1-Dichloroethene	96	2.815	2.804	0.011	69	27588	0.6112	
24 Acetone	43	2.826	2.828	-0.002	96	61597	2.85	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.840	-0.014	36	18725	0.5477	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.945	2.934	0.011	96	46452	0.6049	
27 Carbon disulfide	76	3.004	3.005	-0.001	95	86115	0.6015	
28 Acetonitrile	41	3.051	3.053	-0.002	92	24620	1.45	
30 Methyl acetate	43	3.099	3.100	-0.001	85	53133	1.23	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
29 3-Chloro-1-propene	76		3.100					9
31 Methylene Chloride	84	3.193	3.195	-0.002	92	129873	2.04	
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	91	31672	8.49	
33 Acrylonitrile	53	3.383	3.384	-0.002	80	18890	0.8735	
34 trans-1,2-Dichloroethene	96	3.430	3.431	-0.001	66	30085	0.5440	
35 Methyl tert-butyl ether	73	3.430	3.431	-0.001	89	82433	0.5132	
36 Hexane	86	3.667	3.668	-0.002	86	4635	0.5253	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	75	56619	0.6004	
38 Vinyl acetate	86	3.797	3.798	-0.001	94	3074	0.3142	
39 Isopropyl ether	87		3.822					
40 2-Chloro-1,3-butadiene	53		3.846					
41 Tert-butyl ethyl ether	59		4.118					
42 2-Butanone (MEK)	43	4.246	4.236	0.010	95	121310	5.01	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	46	31913	0.5189	
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	53	25258	0.4679	
45 Propionitrile	54		4.283					
46 Ethyl acetate	43	4.246	4.283	-0.037	57	128876	2.68	
47 Methacrylonitrile	41		4.414					9
48 Chlorobromomethane	128	4.447	4.437	0.010	66	15900	0.5331	
50 Chloroform	83	4.495	4.496	-0.001	64	53612	0.5648	
49 Tetrahydrofuran	42		4.496					
51 1,1,1-Trichloroethane	97	4.672	4.674	-0.002	80	35865	0.5513	
52 Cyclohexane	56	4.743	4.745	-0.002	80	32431	0.4399	
53 1,1-Dichloropropene	75	4.802	4.816	-0.014	84	35546	0.5325	
54 Carbon tetrachloride	117	4.826	4.828	-0.002	80	27660	0.5271	
55 Isobutyl alcohol	41		4.851					9
56 1,2-Dichloroethane	62	4.980	4.981	-0.001	39	41705	0.6100	
57 Benzene	78	4.980	4.981	-0.001	93	139618	0.6017	
58 Tert-amyl methyl ether	73		5.064					9
59 n-Heptane	100		5.195					
60 n-Butanol	56		5.408					
61 Trichloroethene	130	5.524	5.526	-0.002	81	29311	0.5121	
62 Ethyl acrylate	55		5.605					9
63 Methylcyclohexane	83	5.702	5.703	-0.001	72	23612	0.3885	
64 1,2-Dichloropropane	63	5.702	5.703	-0.001	74	28815	0.5351	
65 Methyl methacrylate	41		5.774					
66 Dibromomethane	93	5.808	5.798	0.010	78	16914	0.5423	
67 1,4-Dioxane	88	5.808	5.810	-0.002	4	4350	18.5	
68 Dichlorobromomethane	83	5.927	5.928	-0.001	85	32554	0.5089	
69 2-Nitropropane	41		6.118					9
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	73	19759	0.6465	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	63	32216	0.4079	
72 4-Methyl-2-pentanone (MIBK)	43	6.435	6.437	-0.002	97	224170	4.79	
73 Toluene	91	6.625	6.626	-0.001	94	126040	0.5938	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	65	25776	0.4287	
75 Ethyl methacrylate	69	6.873	6.875	-0.002	78	22358	0.4047	
76 1,1,2-Trichloroethane	97	6.968	6.969	-0.001	72	26699	0.6207	
77 1,3-Dichloropropane	76	7.122	7.123	-0.001	78	40719	0.5374	
78 Tetrachloroethene	164	7.134	7.135	-0.001	85	22414	0.5851	
79 2-Hexanone	43	7.181	7.182	-0.001	97	128898	4.96	
80 n-Butyl acetate	56		7.301					
81 Chlorodibromomethane	129	7.335	7.336	-0.001	59	18877	0.4523	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.453	7.455	-0.002	58	19841	0.4758	
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112	7.903	7.904	-0.001	86	71769	0.5344	
86 1,1,1,2-Tetrachloroethane	131	7.974	7.975	-0.001	70	24533	0.5265	
87 Ethylbenzene	106	8.009	8.011	-0.002	93	30892	0.4601	
88 m-Xylene & p-Xylene	106	8.116	8.117	-0.001	98	68230	0.8014	
89 o-Xylene	106	8.494	8.496	-0.002	87	34939	0.4183	
90 Styrene	104	8.506	8.508	-0.002	83	45813	0.3418	
91 Bromoform	173	8.684	8.685	-0.001	65	9941	0.3935	
92 Isopropylbenzene	105	8.849	8.851	-0.002	89	69917	0.3726	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.934					9
95 1,1,2,2-Tetrachloroethane	83	9.110	9.111	-0.001	67	32546	0.6565	
96 Bromobenzene	156	9.145	9.147	-0.002	87	24827	0.5014	
97 1,2,3-Trichloropropane	110	9.157	9.158	-0.001	63	9525	0.5945	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.170	-0.001	34	4438	0.9047	
99 N-Propylbenzene	120	9.240	9.241	-0.001	92	20308	0.4641	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	91	21417	0.4871	
101 1,3,5-Trimethylbenzene	105	9.417	9.419	-0.002	76	54202	0.4020	
102 4-Chlorotoluene	126	9.441	9.431	0.010	89	17573	0.3751	
103 tert-Butylbenzene	119	9.737	9.738	-0.001	77	48442	0.4375	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	67	58316	0.4182	
105 sec-Butylbenzene	105	9.950	9.951	-0.001	77	54302	0.3849	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	90	46969	0.5291	
107 4-Isopropyltoluene	119	10.092	10.093	-0.001	85	42653	0.3598	
108 1,4-Dichlorobenzene	146	10.151	10.152	-0.001	74	50323	0.5262	
109 1,2,3-Trimethylbenzene	105		10.200					9
110 n-Butylbenzene	91	10.494	10.496	-0.002	81	41435	0.4415	
111 1,2-Dichlorobenzene	146	10.518	10.519	-0.001	90	50906	0.5730	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.288	-0.001	4	4582	0.5479	
113 1,3,5-Trichlorobenzene	180	11.512	11.513	-0.001	77	26493	0.5351	
114 1,2,4-Trichlorobenzene	180	12.115	12.128	-0.013	66	24686	0.5471	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	66	17171	0.5688	
116 Naphthalene	128	12.375	12.377	-0.002	99	66414	0.4830	
117 1,2,3-Trichlorobenzene	180	12.624	12.625	-0.001	85	27505	0.5644	
118 2-Methylnaphthalene	142		13.679					
S 119 Trihalomethanes, Total	1				0		1.92	
S 120 1,2-Dichloroethene, Total	96				0		1.06	
S 121 1,3-Dichloropropene, Total	75				0		0.8366	
S 122 Xylenes, Total	106				0		1.22	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

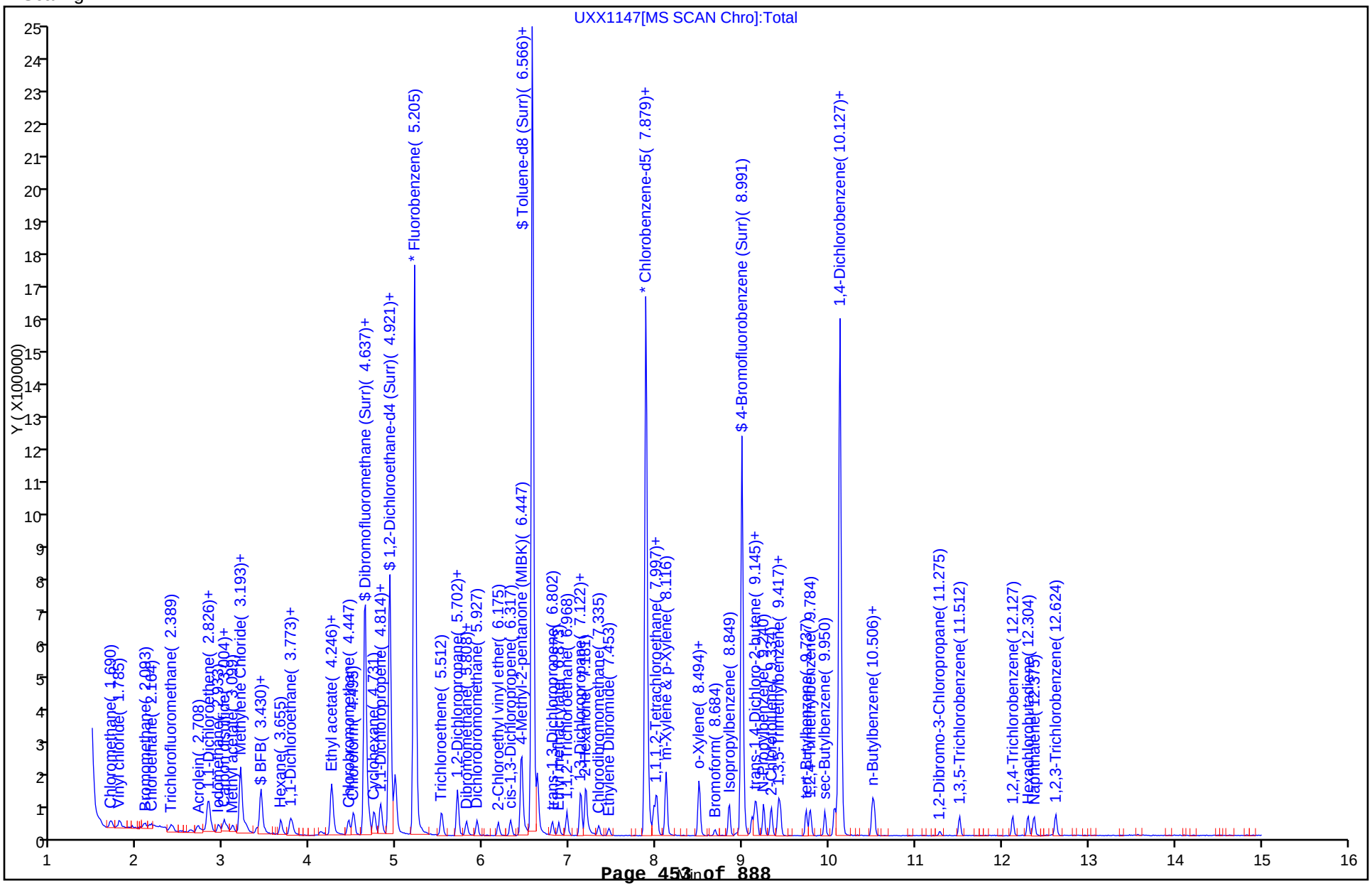
Report Date: 23-Nov-2012 08:57:02 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1147.D

Injection Date:	21-Nov-2012 17:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	21
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-66063/13 Calibration Date: 11/23/2012 13:46

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 20:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 22:59

Lab File ID: 149379.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Cyclohexanone	Ave	0.0718	0.0147		0.205	1.00	-79.5*	20.0
1,2,3-Trimethylbenzene	Ave	2.995	2.911		0.0486	0.0500	-2.8	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149379.D
Lims ID: ICV Client ID:
Inject. Date: 23-Nov-2012 13:46:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: icv
Misc. Info.: 240-0015202-013 =240-0015202-013
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 66063 Lims Sample ID: 13
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m
Last Update: 25-Nov-2012 10:57:02 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK022

First Level Reviewer: macenczaks Date: 23-Nov-2012 14:11:14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2162348	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	1319808	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	630640	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	79	499596	46.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	97	620428	46.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1893210	46.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	577618	46.0	
12 Dichlorodifluoromethane	85	1.441	1.442	-0.001	87	567125	47.4	
13 Chloromethane	50	1.607	1.607	0.0	89	1029026	48.0	
14 Vinyl chloride	62	1.737	1.737	0.0	83	756636	47.1	
15 Bromomethane	94	2.069	2.069	0.0	92	196150	42.8	
16 Chloroethane	64	2.187	2.187	0.0	95	364067	45.5	
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	86	655798	50.7	
19 Ethyl ether	59	2.873	2.873	0.0	95	617794	57.9	
20 Acrolein	56	3.039	3.039	0.0	94	208965	130.7	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	82	524947	53.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.193	-0.012	84	515080	56.4	
22 Acetone	43	3.264	3.264	0.0	98	354155	107.2	
24 Iodomethane	142	3.347	3.347	0.0	99	914091	54.6	
26 Carbon disulfide	76	3.429	3.430	-0.001	98	1166427	46.1	
27 Acetonitrile	41	3.666	3.666	0.0	99	184411	153.7	
28 Methyl acetate	43	3.761	3.761	0.0	98	509547	49.6	
30 Methylene Chloride	84	3.891	3.891	0.0	86	557150	49.8	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	90	660490	981.3	
32 Acrylonitrile	53	4.305	4.305	0.0	97	701662	151.5	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	86	612611	53.0	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	92	1300286	51.9	
35 Hexane	86	4.743	4.743	0.0	95	174766	56.1	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	1372972	54.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
37 Vinyl acetate	86	5.039	5.039	0.0	96	87396	67.2	
38 Isopropyl ether	87	5.074	5.074	0.0	99	501795	45.9	
43 2,2-Dichloropropane	77	5.642	5.642	0.0	72	442657	51.0	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	78	644261	51.8	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	96	534318	101.0	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	292190	51.3	
48 Tetrahydrofuran	42	5.985	5.985	0.0	91	177973	51.6	
49 Chloroform	83	6.033	6.033	0.0	84	1009007	51.1	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	788759	53.0	
51 Cyclohexane	56	6.257	6.269	-0.012	91	1671658	51.7	
53 Carbon tetrachloride	117	6.388	6.388	0.0	69	736847	49.4	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	82	853365	53.6	
54 Isobutyl alcohol	41	6.589	6.589	0.0	93	953496	3037.8	
55 Benzene	78	6.601	6.601	0.0	96	2329881	52.2	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	946874	51.5	
60 Trichloroethene	130	7.240	7.240	0.0	91	676349	53.2	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	1151051	51.5	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	91	710435	54.1	
65 Dibromomethane	93	7.559	7.559	0.0	86	281622	54.1	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	595361	47.8	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	88	264047	53.2	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	81	679312	45.9	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	1056362	107.3	
72 Toluene	91	8.411	8.411	0.0	91	2306987	50.6	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	89	546150	46.6	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	358863	52.3	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	508544	50.3	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	625428	50.9	
78 2-Hexanone	43	8.979	8.979	0.0	99	607164	104.5	
79 Chlorodibromomethane	129	9.109	9.109	0.0	86	358475	43.8	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	353819	52.3	
82 Chlorobenzene	112	9.618	9.618	0.0	91	1449435	49.5	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	483222	50.7	
84 Ethylbenzene	106	9.713	9.713	0.0	98	785490	51.0	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1928434	102.6	
85 o-Xylene	106	10.150	10.151	-0.001	95	949724	52.3	
86 Styrene	104	10.162	10.162	0.0	94	1404903	54.0	
87 Bromoform	173	10.328	10.328	0.0	98	166941	46.5	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2495202	53.2	
89 Cyclohexanone	55	10.541	10.541	0.0	90	387788	204.6	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	372776	52.7	
91 Bromobenzene	156	10.718	10.719	-0.001	92	558207	50.5	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	79	123054	52.5	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	76	286982	102.6	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	697765	55.5	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	574839	50.2	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	93	1987947	53.5	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	561254	50.4	
97 tert-Butylbenzene	119	11.227	11.227	0.0	84	1931429	54.3	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1937414	52.7	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2557541	54.6	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	1055113	48.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
101 4-Isopropyltoluene	119	11.535	11.535	0.0	92	2298257	55.6	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	1046334	47.4	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	88	1835763	48.6	
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1821861	53.5	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	954600	47.0	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	74	50304	45.5	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	565827	40.8	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	295866	43.5	
111 Naphthalene	128	13.440	13.440	0.0	97	1087916	41.3	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	456809	41.7	
S 137 Trihalomethanes, Total	1				0		189.3	
S 11 1,2-Dichloroethene, Total	96				0		104.9	
S 114 Xylenes, Total	106				0		154.9	

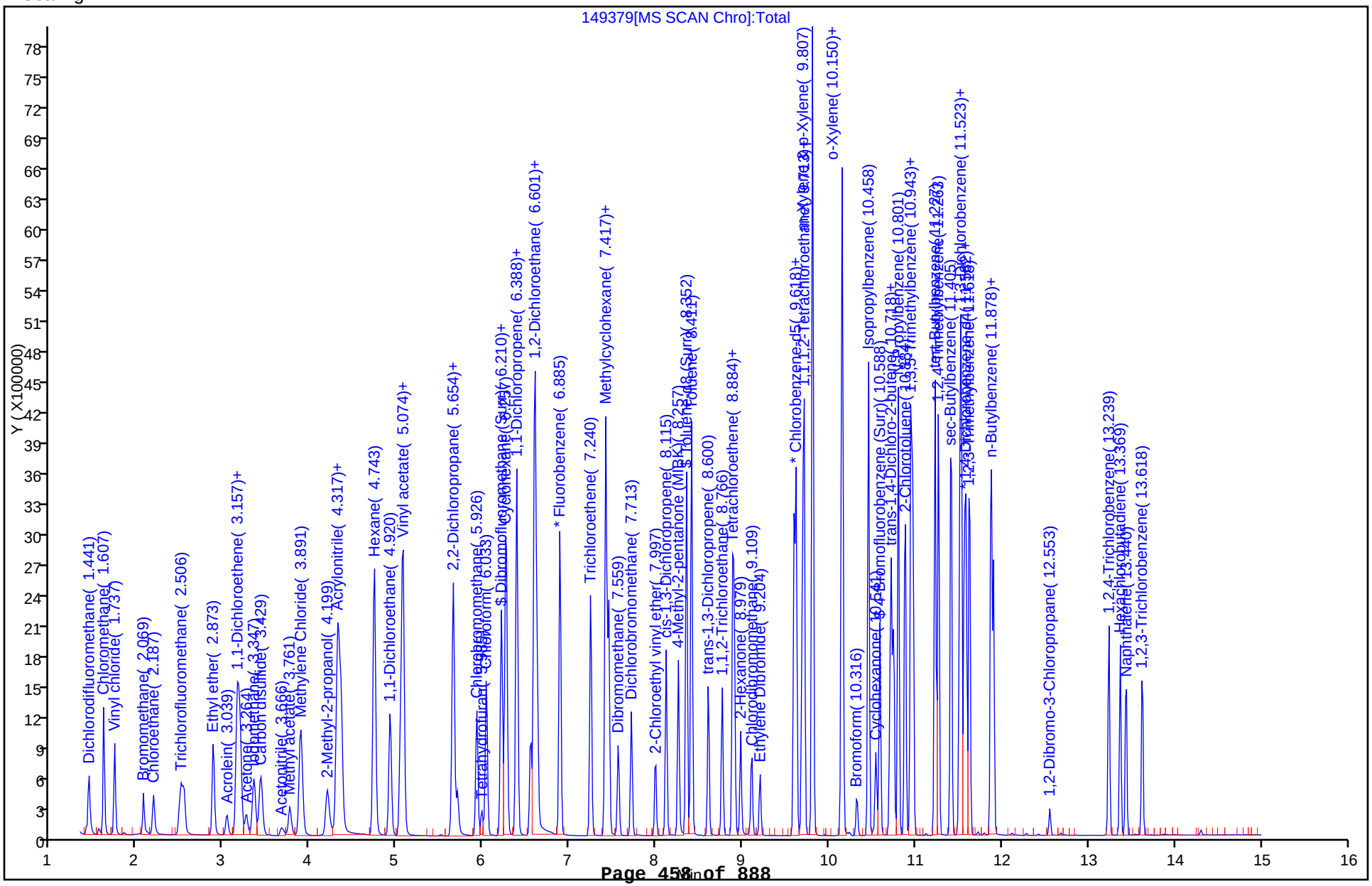
Report Date: 25-Nov-2012 10:57:03 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149379.D

Injection Date:	23-Nov-2012 13:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	13
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-66063/13 Calibration Date: 11/23/2012 13:46

Instrument ID: A3UX14 Calib Start Date: 11/23/2012 10:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/23/2012 13:03

Lab File ID: 149379.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2764	0.2623	0.1000	0.0474	0.0500	-5.1	20.0
Chloromethane	Ave	0.4959	0.4759	0.1000	0.0480	0.0500	-4.0	20.0
Vinyl chloride	Ave	0.3717	0.3499	0.1000	0.0471	0.0500	-5.9	20.0
Bromomethane	Ave	0.1059	0.0907	0.0500	0.0428	0.0500	-14.3	20.0
Chloroethane	Ave	0.1849	0.1684	0.0500	0.0455	0.0500	-8.9	20.0
Trichlorofluoromethane	Ave	0.2992	0.3033	0.1000	0.0507	0.0500	1.4	20.0
1,1-Dichloroethene	Ave	0.2265	0.2428	0.1000	0.0536	0.0500	7.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2112	0.2382	0.0500	0.0564	0.0500	12.8	20.0
Acetone	Lin1		0.0819	0.0500	0.107	0.100	7.2	20.0
Iodomethane	Ave	0.3874	0.4227		0.0546	0.0500	9.1	20.0
Carbon disulfide	Lin1		0.5394	0.1000	0.0461	0.0500	-7.8	20.0
Methyl acetate	Ave	0.2374	0.2357	0.1000	0.0496	0.0500	-0.8	20.0
Methylene Chloride	Lin1		0.2577	0.1000	0.0498	0.0500	-0.4	20.0
2-Methyl-2-propanol	Ave	0.0156	0.0153		0.981	1.00	-1.9	20.0
trans-1,2-Dichloroethene	Ave	0.2671	0.2833	0.1000	0.0530	0.0500	6.1	20.0
Methyl tert-butyl ether	Ave	0.5793	0.6013	0.1000	0.0519	0.0500	3.8	20.0
1,1-Dichloroethane	Ave	0.5878	0.6349	0.1000	0.0540	0.0500	8.0	20.0
Vinyl acetate	Ave	0.0301	0.0404		0.0672	0.0500	34.5*	20.0
2,2-Dichloropropane	Ave	0.2006	0.2047		0.0510	0.0500	2.0	20.0
cis-1,2-Dichloroethene	Ave	0.2874	0.2980	0.1000	0.0518	0.0500	3.7	20.0
2-Butanone (MEK)	Ave	0.1223	0.1236	0.0500	0.101	0.100	1.0	20.0
Bromochloromethane	Ave	0.1316	0.1351		0.0513	0.0500	2.7	20.0
Chloroform	Ave	0.4567	0.4666	0.2000	0.0511	0.0500	2.2	20.0
1,1,1-Trichloroethane	Ave	0.3442	0.3648	0.1000	0.0530	0.0500	6.0	20.0
Cyclohexane	Ave	0.7470	0.7731	0.1000	0.0517	0.0500	3.5	20.0
1,1-Dichloropropene	Ave	0.3682	0.3947		0.0536	0.0500	7.2	20.0
Carbon tetrachloride	Lin1		0.3408	0.1000	0.0494	0.0500	-1.1	20.0
Benzene	Ave	1.031	1.077	0.5000	0.0522	0.0500	4.5	20.0
1,2-Dichloroethane	Ave	0.4250	0.4379	0.1000	0.0515	0.0500	3.0	20.0
Trichloroethene	Ave	0.2938	0.3128	0.2000	0.0532	0.0500	6.5	20.0
Methylcyclohexane	Ave	0.5164	0.5323	0.1000	0.0515	0.0500	3.1	20.0
1,2-Dichloropropane	Ave	0.3038	0.3286	0.1000	0.0541	0.0500	8.2	20.0
Dibromomethane	Ave	0.1204	0.1302		0.0541	0.0500	8.2	20.0
Bromodichloromethane	Lin1		0.2753	0.1000	0.0478	0.0500	-4.4	20.0
cis-1,3-Dichloropropene	Lin1		0.3142	0.1500	0.0459	0.0500	-8.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3731	0.4002	0.0500	0.107	0.100	7.3	20.0
Toluene	Ave	1.728	1.748	0.4000	0.0506	0.0500	1.2	20.0
trans-1,3-Dichloropropene	Lin1		0.4138	0.1000	0.0466	0.0500	-6.8	20.0
1,1,2-Trichloroethane	Ave	0.2601	0.2719	0.1000	0.0523	0.0500	4.5	20.0
Tetrachloroethene	Ave	0.3831	0.3853	0.2000	0.0503	0.0500	0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-66063/13 Calibration Date: 11/23/2012 13:46

Instrument ID: A3UX14 Calib Start Date: 11/23/2012 10:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/23/2012 13:03

Lab File ID: 149379.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4656	0.4739		0.0509	0.0500	1.8	20.0
2-Hexanone	Ave	0.2202	0.2300	0.0500	0.104	0.100	4.5	20.0
Dibromochloromethane	Lin1		0.2716		0.0438	0.0500	-12.3	20.0
1,2-Dibromoethane	Ave	0.2561	0.2681		0.0523	0.0500	4.7	20.0
Chlorobenzene	Ave	1.110	1.098	0.3000	0.0495	0.0500	-1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3614	0.3661		0.0507	0.0500	1.3	20.0
Ethylbenzene	Ave	0.5831	0.5952		0.0510	0.0500	2.1	20.0
m-Xylene & p-Xylene	Ave	0.7120	0.7306		0.103	0.100	2.6	20.0
o-Xylene	Ave	0.6886	0.7196		0.0523	0.0500	4.5	20.0
Styrene	Ave	0.9852	1.064	0.3000	0.0540	0.0500	8.1	20.0
Bromoform	Qua		0.1265	0.1000	0.0465	0.0500	-6.9	20.0
Isopropylbenzene	Ave	1.778	1.891	0.1000	0.0532	0.0500	6.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5612	0.5911	0.3000	0.0527	0.0500	5.3	20.0
Bromobenzene	Ave	0.8755	0.8851		0.0505	0.0500	1.1	20.0
1,2,3-Trichloropropane	Ave	0.1860	0.1951		0.0525	0.0500	4.9	20.0
N-Propylbenzene	Ave	0.996	1.106		0.0555	0.0500	11.1	20.0
2-Chlorotoluene	Ave	0.9085	0.9115		0.0502	0.0500	0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.948	3.152		0.0535	0.0500	6.9	20.0
4-Chlorotoluene	Ave	0.8826	0.8900		0.0504	0.0500	0.8	20.0
tert-Butylbenzene	Ave	2.819	3.063		0.0543	0.0500	8.6	20.0
1,2,4-Trimethylbenzene	Ave	2.913	3.072		0.0527	0.0500	5.4	20.0
sec-Butylbenzene	Ave	3.716	4.055		0.0546	0.0500	9.1	20.0
1,3-Dichlorobenzene	Ave	1.719	1.673	0.6000	0.0487	0.0500	-2.7	20.0
4-Isopropyltoluene	Ave	3.278	3.644		0.0556	0.0500	11.2	20.0
1,4-Dichlorobenzene	Ave	1.750	1.659	0.5000	0.0474	0.0500	-5.2	20.0
n-Butylbenzene	Ave	2.701	2.889		0.0535	0.0500	6.9	20.0
1,2-Dichlorobenzene	Ave	1.612	1.514	0.4000	0.0470	0.0500	-6.1	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0798	0.0500	0.0455	0.0500	-9.0	20.0
1,2,4-Trichlorobenzene	Ave	1.101	0.8972	0.2000	0.0408	0.0500	-18.5	20.0
Hexachlorobutadiene	Ave	0.5388	0.4692		0.0435	0.0500	-12.9	20.0
Naphthalene	Ave	2.089	1.725		0.0413	0.0500	-17.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8675	0.7244		0.0417	0.0500	-16.5	20.0
Dibromofluoromethane (Surr)	Lin1		0.2310		0.0466	0.0500	-6.9	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2869		0.0466	0.0500	-6.7	20.0
Toluene-d8 (Surr)	Lin1		1.434		0.0460	0.0500	-8.0	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.9159		0.0460	0.0500	-8.0	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149379.D
Lims ID: ICV Client ID:
Inject. Date: 23-Nov-2012 13:46:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: icv
Misc. Info.: 240-0015202-013 =240-0015202-013
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 66063 Lims Sample ID: 13
Sublist:
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m
Last Update: 25-Nov-2012 10:57:02 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK022

First Level Reviewer: macenczaks Date: 23-Nov-2012 14:11:14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2162348	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	1319808	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	630640	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	79	499596	46.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.541	0.012	97	620428	46.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1893210	46.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	577618	46.0	
12 Dichlorodifluoromethane	85	1.441	1.442	-0.001	87	567125	47.4	
13 Chloromethane	50	1.607	1.607	0.0	89	1029026	48.0	
14 Vinyl chloride	62	1.737	1.737	0.0	83	756636	47.1	
15 Bromomethane	94	2.069	2.069	0.0	92	196150	42.8	
16 Chloroethane	64	2.187	2.187	0.0	95	364067	45.5	
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	86	655798	50.7	
19 Ethyl ether	59	2.873	2.873	0.0	95	617794	57.9	
20 Acrolein	56	3.039	3.039	0.0	94	208965	130.7	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	82	524947	53.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.193	-0.012	84	515080	56.4	
22 Acetone	43	3.264	3.264	0.0	98	354155	107.2	
24 Iodomethane	142	3.347	3.347	0.0	99	914091	54.6	
26 Carbon disulfide	76	3.429	3.430	-0.001	98	1166427	46.1	
27 Acetonitrile	41	3.666	3.666	0.0	99	184411	153.7	
28 Methyl acetate	43	3.761	3.761	0.0	98	509547	49.6	
30 Methylene Chloride	84	3.891	3.891	0.0	86	557150	49.8	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	90	660490	981.3	
32 Acrylonitrile	53	4.305	4.305	0.0	97	701662	151.5	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	86	612611	53.0	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	92	1300286	51.9	
35 Hexane	86	4.743	4.743	0.0	95	174766	56.1	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	1372972	54.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
37 Vinyl acetate	86	5.039	5.039	0.0	96	87396	67.2	
38 Isopropyl ether	87	5.074	5.074	0.0	99	501795	45.9	
43 2,2-Dichloropropane	77	5.642	5.642	0.0	72	442657	51.0	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	78	644261	51.8	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	96	534318	101.0	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	292190	51.3	
48 Tetrahydrofuran	42	5.985	5.985	0.0	91	177973	51.6	
49 Chloroform	83	6.033	6.033	0.0	84	1009007	51.1	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	788759	53.0	
51 Cyclohexane	56	6.257	6.269	-0.012	91	1671658	51.7	
53 Carbon tetrachloride	117	6.388	6.388	0.0	69	736847	49.4	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	82	853365	53.6	
54 Isobutyl alcohol	41	6.589	6.589	0.0	93	953496	3037.8	
55 Benzene	78	6.601	6.601	0.0	96	2329881	52.2	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	946874	51.5	
60 Trichloroethene	130	7.240	7.240	0.0	91	676349	53.2	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	1151051	51.5	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	91	710435	54.1	
65 Dibromomethane	93	7.559	7.559	0.0	86	281622	54.1	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	595361	47.8	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	88	264047	53.2	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	81	679312	45.9	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	1056362	107.3	
72 Toluene	91	8.411	8.411	0.0	91	2306987	50.6	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	89	546150	46.6	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	358863	52.3	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	508544	50.3	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	93	625428	50.9	
78 2-Hexanone	43	8.979	8.979	0.0	99	607164	104.5	
79 Chlorodibromomethane	129	9.109	9.109	0.0	86	358475	43.8	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	353819	52.3	
82 Chlorobenzene	112	9.618	9.618	0.0	91	1449435	49.5	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	483222	50.7	
84 Ethylbenzene	106	9.713	9.713	0.0	98	785490	51.0	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1928434	102.6	
85 o-Xylene	106	10.150	10.151	-0.001	95	949724	52.3	
86 Styrene	104	10.162	10.162	0.0	94	1404903	54.0	
87 Bromoform	173	10.328	10.328	0.0	98	166941	46.5	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2495202	53.2	
89 Cyclohexanone	55	10.541	10.541	0.0	90	387788	204.6	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	81	372776	52.7	
91 Bromobenzene	156	10.718	10.719	-0.001	92	558207	50.5	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	79	123054	52.5	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.754	0.0	76	286982	102.6	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	697765	55.5	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	574839	50.2	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	93	1987947	53.5	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	561254	50.4	
97 tert-Butylbenzene	119	11.227	11.227	0.0	84	1931429	54.3	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1937414	52.7	
99 sec-Butylbenzene	105	11.417	11.417	0.0	94	2557541	54.6	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	91	1055113	48.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
101 4-Isopropyltoluene	119	11.535	11.535	0.0	92	2298257	55.6	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	1046334	47.4	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	88	1835763	48.6	
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1821861	53.5	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	954600	47.0	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	74	50304	45.5	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	565827	40.8	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	295866	43.5	
111 Naphthalene	128	13.440	13.440	0.0	97	1087916	41.3	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	93	456809	41.7	
S 137 Trihalomethanes, Total	1				0		189.3	
S 11 1,2-Dichloroethene, Total	96				0		104.9	
S 114 Xylenes, Total	106				0		154.9	

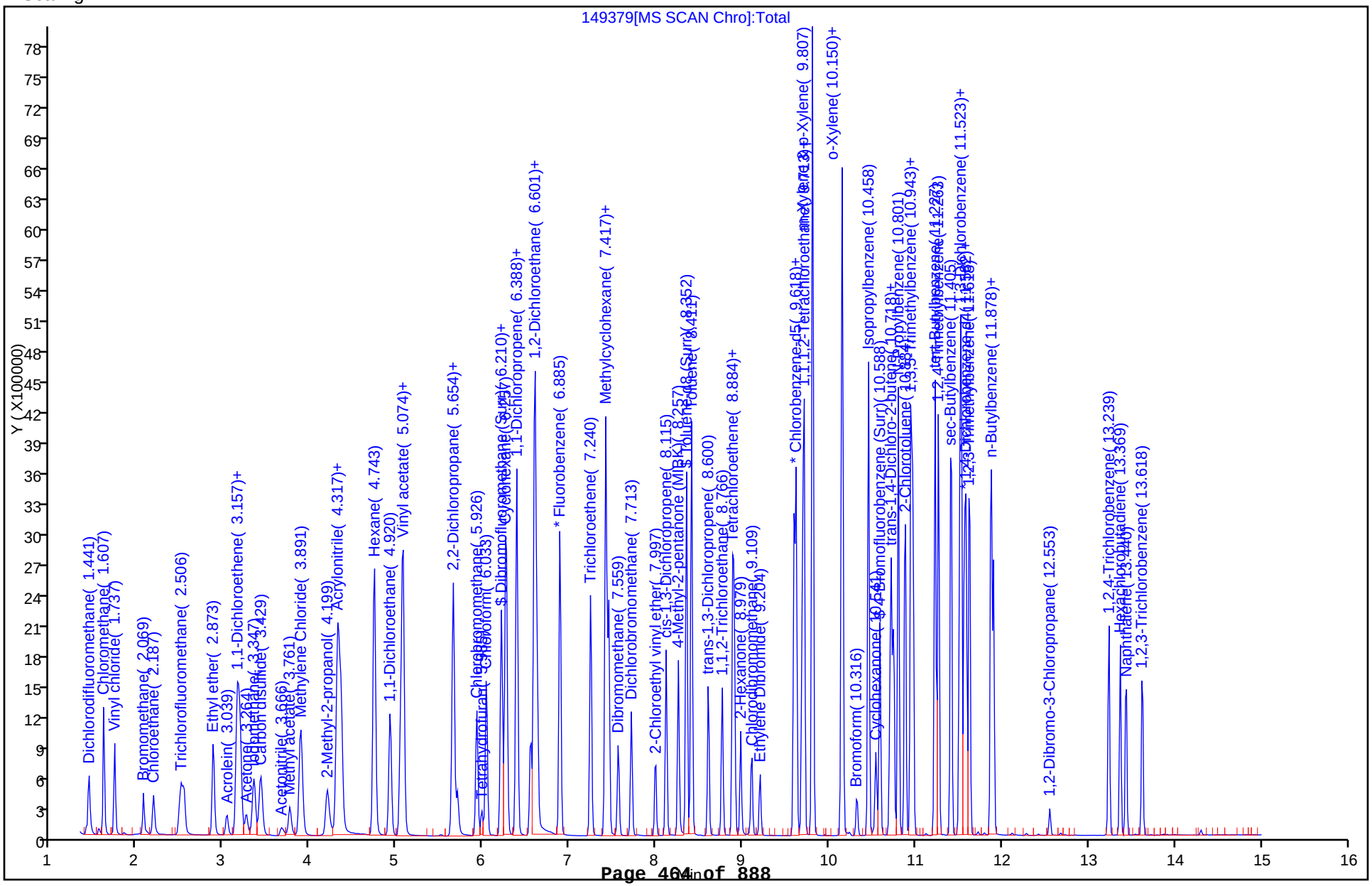
Report Date: 25-Nov-2012 10:57:03 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149379.D

Injection Date:	23-Nov-2012 13:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	13
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: CCV 240-66419/4 Calibration Date: 11/27/2012 11:36

Instrument ID: A3UX14 Calib Start Date: 11/13/2012 20:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/13/2012 22:59

Lab File ID: 149468.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.5441	0.4159		0.0382	0.0500	-23.6*	20.0
Cyclohexanone	Ave	0.0718	0.0875		0.610	0.500	21.9*	20.0
1,2,3-Trimethylbenzene	Ave	2.995	3.065		0.0512	0.0500	2.3	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149468.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	27-Nov-2012 11:36:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0015301-004 =240-0015301-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	66419	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub15		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m		
Last Update:	28-Nov-2012 10:32:12	Calib Date:	23-Nov-2012 13:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK021		
First Level Reviewer: macenczaks		Date:	27-Nov-2012 12:18:42

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2220762	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.595	0.0	97	1281283	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.571	0.0	98	613919	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	68	493474	44.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	640147	46.9	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1889860	47.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	83	575165	47.1	
17 Dichlorofluoromethane	67	2.447	2.447	0.0	83	923702	38.2	
19 Ethyl ether	59	2.873	2.873	0.0	95	609251	55.6	
29 3-Chloro-1-propene	76	3.690	3.690	0.0	85	281879	41.6	
39 2-Chloro-1,3-butadiene	53	5.039	5.039	0.0	89	1615908	57.1	
38 Isopropyl ether	87	5.074	5.074	0.0	97	2588481	230.4	
40 Tert-butyl ethyl ether	59	5.524	5.524	0.0	96	2213396	53.5	
44 Propionitrile	54	5.761	5.761	0.0	97	160802	110.0	
45 Ethyl acetate	43	5.796	5.796	0.0	99	1117605	141.1	
46 Methacrylonitrile	41	5.926	5.926	0.0	98	374924	58.8	
54 Isobutyl alcohol	41	6.589	6.589	0.0	93	344415	1068.4	
57 Tert-amyl methyl ether	73	6.743	6.743	0.0	85	1215719	47.9	
58 n-Heptane	100	6.897	6.897	0.0	94	192743	62.5	
59 n-Butanol	56	7.228	7.228	0.0	92	272686	1443.4	
64 Methyl methacrylate	41	7.571	7.571	0.0	87	457360	69.7	
68 2-Nitropropane	41	7.926	7.926	0.0	99	159812	137.5	
132 n-Butyl acetate	43	9.086	9.086	0.0	0	1373483	0	
89 Cyclohexanone	55	10.541	10.541	0.0	94	1121627	609.6	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	98	1881674	51.2	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	89	1486518	102.0	

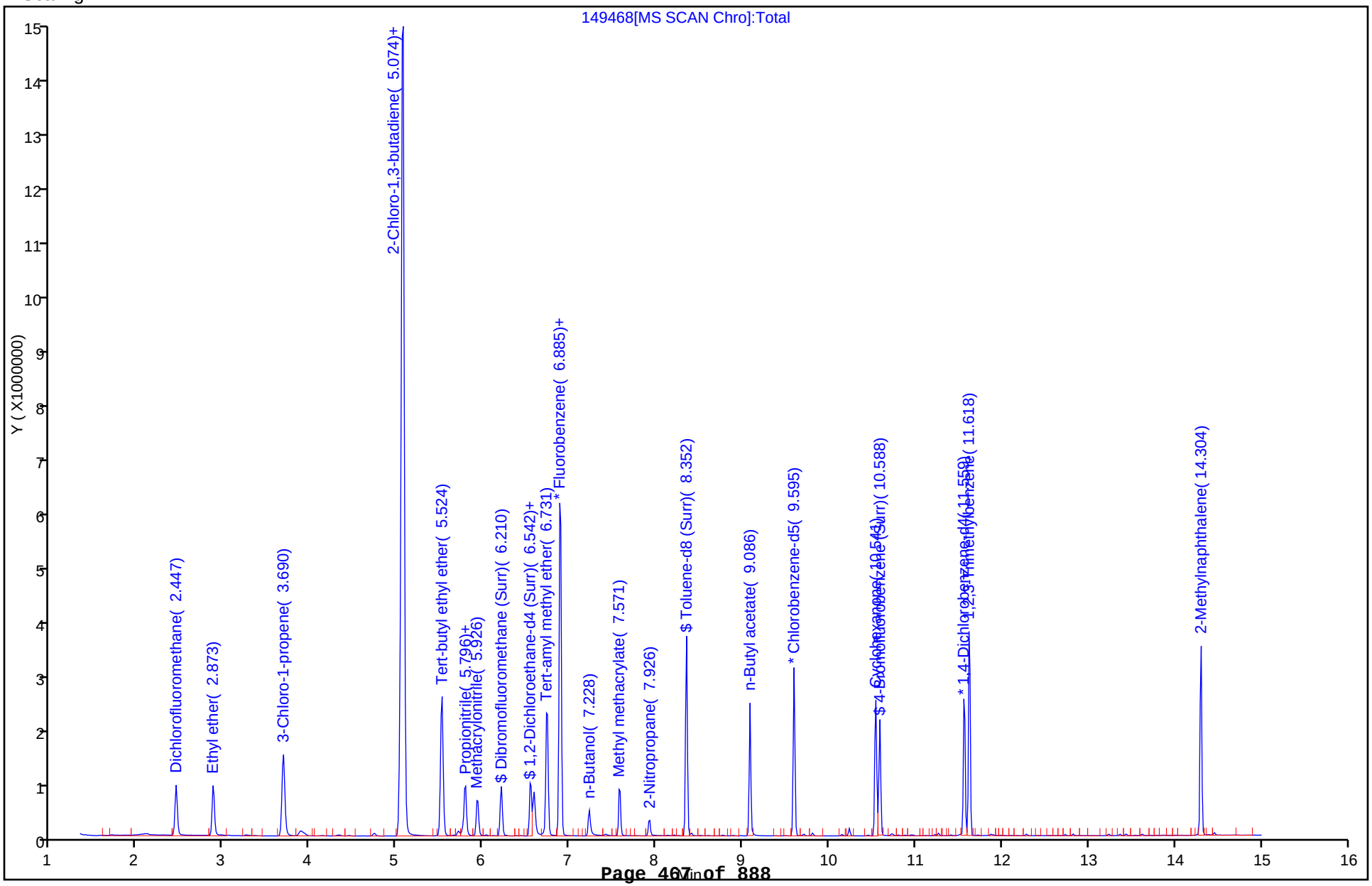
Report Date: 28-Nov-2012 10:32:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149468.D

Injection Date:	27-Nov-2012 11:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: CCV 240-66419/4 Calibration Date: 11/27/2012 11:36

Instrument ID: A3UX14 Calib Start Date: 11/23/2012 10:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/23/2012 13:03

Lab File ID: 149468.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Lin1		0.2222		0.0448	0.0500	-10.5	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2883		0.0469	0.0500	-6.3	20.0
Toluene-d8 (Surr)	Lin1		1.475		0.0473	0.0500	-5.4	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.9369		0.0471	0.0500	-5.9	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149468.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	27-Nov-2012 11:36:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0015301-004 =240-0015301-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	66419	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub15		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m		
Last Update:	28-Nov-2012 10:32:12	Calib Date:	23-Nov-2012 13:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK021		
First Level Reviewer: macenczaks		Date:	27-Nov-2012 12:18:42

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2220762	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.595	0.0	97	1281283	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.571	0.0	98	613919	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	68	493474	44.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	640147	46.9	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1889860	47.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	83	575165	47.1	
17 Dichlorofluoromethane	67	2.447	2.447	0.0	83	923702	38.2	
19 Ethyl ether	59	2.873	2.873	0.0	95	609251	55.6	
29 3-Chloro-1-propene	76	3.690	3.690	0.0	85	281879	41.6	
39 2-Chloro-1,3-butadiene	53	5.039	5.039	0.0	89	1615908	57.1	
38 Isopropyl ether	87	5.074	5.074	0.0	97	2588481	230.4	
40 Tert-butyl ethyl ether	59	5.524	5.524	0.0	96	2213396	53.5	
44 Propionitrile	54	5.761	5.761	0.0	97	160802	110.0	
45 Ethyl acetate	43	5.796	5.796	0.0	99	1117605	141.1	
46 Methacrylonitrile	41	5.926	5.926	0.0	98	374924	58.8	
54 Isobutyl alcohol	41	6.589	6.589	0.0	93	344415	1068.4	
57 Tert-amyl methyl ether	73	6.743	6.743	0.0	85	1215719	47.9	
58 n-Heptane	100	6.897	6.897	0.0	94	192743	62.5	
59 n-Butanol	56	7.228	7.228	0.0	92	272686	1443.4	
64 Methyl methacrylate	41	7.571	7.571	0.0	87	457360	69.7	
68 2-Nitropropane	41	7.926	7.926	0.0	99	159812	137.5	
132 n-Butyl acetate	43	9.086	9.086	0.0	0	1373483	0	
89 Cyclohexanone	55	10.541	10.541	0.0	94	1121627	609.6	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	98	1881674	51.2	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	89	1486518	102.0	

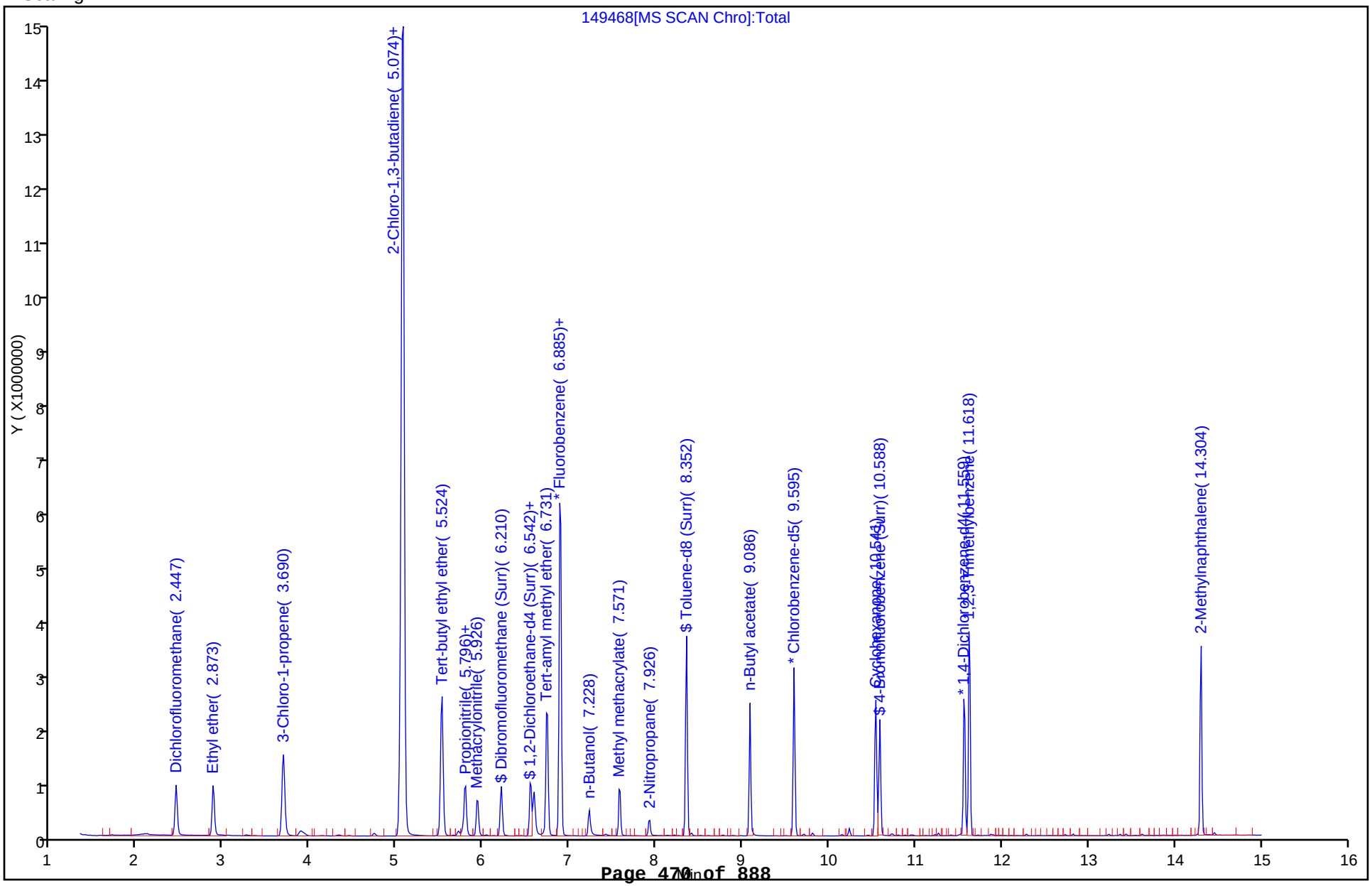
Report Date: 28-Nov-2012 10:32:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149468.D

Injection Date:	27-Nov-2012 11:36:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	4
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: CCV 240-66419/10 Calibration Date: 11/27/2012 11:58

Instrument ID: A3UX14 Calib Start Date: 11/23/2012 10:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/23/2012 13:03

Lab File ID: 149469.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2764	0.2796	0.1000	0.0506	0.0500	1.1	20.0
Chloromethane	Ave	0.4959	0.4838	0.1000	0.0488	0.0500	-2.4	20.0
Vinyl chloride	Ave	0.3717	0.3743	0.1000	0.0504	0.0500	0.7	20.0
Bromomethane	Ave	0.1059	0.1014	0.0500	0.0479	0.0500	-4.2	20.0
Chloroethane	Ave	0.1849	0.1879	0.0500	0.0508	0.0500	1.6	20.0
Trichlorofluoromethane	Ave	0.2992	0.3074	0.1000	0.0514	0.0500	2.7	20.0
1,1-Dichloroethene	Ave	0.2265	0.2353	0.1000	0.0519	0.0500	3.9	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2112	0.2250	0.0500	0.0533	0.0500	6.5	20.0
Acetone	Lin1		0.0932	0.0500	0.123	0.100	22.9*	20.0
Iodomethane	Ave	0.3874	0.4139		0.0534	0.0500	6.8	20.0
Carbon disulfide	Lin1		0.5518	0.1000	0.0471	0.0500	-5.8	20.0
Methyl acetate	Ave	0.2374	0.2296	0.1000	0.0967	0.100	-3.3	20.0
Methylene Chloride	Lin1		0.2710	0.1000	0.0526	0.0500	5.2	20.0
2-Methyl-2-propanol	Ave	0.0156	0.0157		1.01	1.00	1.0	20.0
trans-1,2-Dichloroethene	Ave	0.2671	0.2869	0.1000	0.0537	0.0500	7.4	20.0
Methyl tert-butyl ether	Ave	0.5793	0.5987	0.1000	0.0517	0.0500	3.4	20.0
1,1-Dichloroethane	Ave	0.5878	0.6188	0.1000	0.0526	0.0500	5.3	20.0
Vinyl acetate	Ave	0.0301	0.0373		0.0621	0.0500	24.2*	20.0
2,2-Dichloropropane	Ave	0.2006	0.2343		0.0584	0.0500	16.8	20.0
cis-1,2-Dichloroethene	Ave	0.2874	0.2981	0.1000	0.0519	0.0500	3.7	20.0
2-Butanone (MEK)	Ave	0.1223	0.1251	0.0500	0.102	0.100	2.3	20.0
Bromochloromethane	Ave	0.1316	0.1356		0.0515	0.0500	3.0	20.0
Chloroform	Ave	0.4567	0.4740	0.2000	0.0519	0.0500	3.8	20.0
1,1,1-Trichloroethane	Ave	0.3442	0.3709	0.1000	0.0539	0.0500	7.8	20.0
Cyclohexane	Ave	0.7470	0.7851	0.1000	0.0525	0.0500	5.1	20.0
1,1-Dichloropropene	Ave	0.3682	0.3975		0.0540	0.0500	7.9	20.0
Carbon tetrachloride	Lin1		0.3376	0.1000	0.0490	0.0500	-2.0	20.0
Benzene	Ave	1.031	1.062	0.5000	0.0515	0.0500	3.0	20.0
1,2-Dichloroethane	Ave	0.4250	0.4267	0.1000	0.0502	0.0500	0.4	20.0
Trichloroethene	Ave	0.2938	0.3160	0.2000	0.0538	0.0500	7.6	20.0
Methylcyclohexane	Ave	0.5164	0.5475	0.1000	0.0530	0.0500	6.0	20.0
1,2-Dichloropropane	Ave	0.3038	0.3207	0.1000	0.0528	0.0500	5.6	20.0
Dibromomethane	Ave	0.1204	0.1244		0.0516	0.0500	3.3	20.0
Bromodichloromethane	Lin1		0.2691	0.1000	0.0468	0.0500	-6.4	20.0
cis-1,3-Dichloropropene	Lin1		0.3227	0.1500	0.0470	0.0500	-6.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3731	0.4131	0.0500	0.111	0.100	10.7	20.0
Toluene	Ave	1.728	1.836	0.4000	0.0531	0.0500	6.2	20.0
trans-1,3-Dichloropropene	Lin1		0.4166	0.1000	0.0469	0.0500	-6.2	20.0
1,1,2-Trichloroethane	Ave	0.2601	0.2701	0.1000	0.0519	0.0500	3.8	20.0
Tetrachloroethene	Ave	0.3831	0.4043	0.2000	0.0528	0.0500	5.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: CCV 240-66419/10 Calibration Date: 11/27/2012 11:58

Instrument ID: A3UX14 Calib Start Date: 11/23/2012 10:11

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 11/23/2012 13:03

Lab File ID: 149469.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4656	0.4717		0.0507	0.0500	1.3	20.0
2-Hexanone	Ave	0.2202	0.2368	0.0500	0.108	0.100	7.6	20.0
Dibromochloromethane	Lin1		0.2764		0.0446	0.0500	-10.9	20.0
1,2-Dibromoethane	Ave	0.2561	0.2672		0.0522	0.0500	4.3	20.0
Chlorobenzene	Ave	1.110	1.110	0.3000	0.0500	0.0500	-0.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3614	0.3795		0.0525	0.0500	5.0	20.0
Ethylbenzene	Ave	0.5831	0.6156		0.0528	0.0500	5.6	20.0
m-Xylene & p-Xylene	Ave	0.7120	0.7527		0.106	0.100	5.7	20.0
o-Xylene	Ave	0.6886	0.7218		0.0524	0.0500	4.8	20.0
Styrene	Ave	0.9852	1.059	0.3000	0.0537	0.0500	7.5	20.0
Bromoform	Qua		0.1222	0.1000	0.0451	0.0500	-9.7	20.0
Isopropylbenzene	Ave	1.778	1.918	0.1000	0.0539	0.0500	7.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5612	0.6099	0.3000	0.0543	0.0500	8.7	20.0
Bromobenzene	Ave	0.8755	0.9221		0.0527	0.0500	5.3	20.0
1,2,3-Trichloropropane	Ave	0.1860	0.1930		0.0519	0.0500	3.8	20.0
N-Propylbenzene	Ave	0.996	1.138		0.0571	0.0500	14.2	20.0
2-Chlorotoluene	Ave	0.9085	0.9689		0.0533	0.0500	6.6	20.0
1,3,5-Trimethylbenzene	Ave	2.948	3.306		0.0561	0.0500	12.1	20.0
4-Chlorotoluene	Ave	0.8826	0.9357		0.0530	0.0500	6.0	20.0
tert-Butylbenzene	Ave	2.819	3.163		0.0561	0.0500	12.2	20.0
1,2,4-Trimethylbenzene	Ave	2.913	3.210		0.0551	0.0500	10.2	20.0
sec-Butylbenzene	Ave	3.716	4.190		0.0564	0.0500	12.7	20.0
1,3-Dichlorobenzene	Ave	1.719	1.733	0.6000	0.0504	0.0500	0.8	20.0
4-Isopropyltoluene	Ave	3.278	3.658		0.0558	0.0500	11.6	20.0
1,4-Dichlorobenzene	Ave	1.750	1.729	0.5000	0.0494	0.0500	-1.2	20.0
n-Butylbenzene	Ave	2.701	2.950		0.0546	0.0500	9.2	20.0
1,2-Dichlorobenzene	Ave	1.612	1.550	0.4000	0.0481	0.0500	-3.8	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0732	0.0500	0.0421	0.0500	-15.7	20.0
1,2,4-Trichlorobenzene	Ave	1.101	0.9366	0.2000	0.0426	0.0500	-14.9	20.0
Hexachlorobutadiene	Ave	0.5388	0.4912		0.0456	0.0500	-8.8	20.0
Naphthalene	Ave	2.089	1.639		0.0392	0.0500	-21.6*	20.0
1,2,3-Trichlorobenzene	Ave	0.8675	0.6847		0.0395	0.0500	-21.1*	20.0
Dibromofluoromethane (Surr)	Lin1		0.2327		0.0469	0.0500	-6.2	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2836		0.0461	0.0500	-7.8	20.0
Toluene-d8 (Surr)	Lin1		1.489		0.0478	0.0500	-4.4	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.9474		0.0476	0.0500	-4.8	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149469.D
Lims ID: CCVIS Client ID:
Inject. Date: 27-Nov-2012 11:58:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: ccvis
Misc. Info.: 240-0015301-010 =240-0015301-010
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 66419 Lims Sample ID: 10
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: macenczaks Date: 27-Nov-2012 12:17:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2210235	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	1312546	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	595311	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	74	514348	46.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.553	6.553	0.0	93	626780	46.1	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1954694	47.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	564022	47.6	
12 Dichlorodifluoromethane	85	1.441	1.441	0.0	88	617895	50.6	
13 Chloromethane	50	1.607	1.607	0.0	89	1069395	48.8	
14 Vinyl chloride	62	1.737	1.737	0.0	83	827373	50.4	
15 Bromomethane	94	2.069	2.069	0.0	91	224143	47.9	
16 Chloroethane	64	2.187	2.187	0.0	94	415343	50.8	
18 Trichlorofluoromethane	101	2.506	2.506	0.0	86	679346	51.4	
20 Acrolein	56	3.039	3.039	0.0	96	967413	592.0	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	83	520087	51.9	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	81	497290	53.3	
22 Acetone	43	3.264	3.264	0.0	98	412115	122.9	
24 Iodomethane	142	3.347	3.347	0.0	99	914800	53.4	
26 Carbon disulfide	76	3.429	3.429	0.0	99	1219563	47.1	
27 Acetonitrile	41	3.666	3.666	0.0	99	635634	518.3	
28 Methyl acetate	43	3.761	3.761	0.0	98	1015101	96.7	
30 Methylene Chloride	84	3.891	3.891	0.0	87	598912	52.6	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	90	694930	1010.1	
32 Acrylonitrile	53	4.305	4.305	0.0	97	490496	103.6	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	86	634178	53.7	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	93	1323300	51.7	
35 Hexane	86	4.743	4.743	0.0	94	175296	55.0	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	1367584	52.6	
37 Vinyl acetate	86	5.039	5.039	0.0	97	82526	62.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
43 2,2-Dichloropropane	77	5.642	5.642	0.0	73	517770	58.4	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	78	658891	51.9	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	553000	102.3	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	299743	51.5	
48 Tetrahydrofuran	42	5.985	5.985	0.0	91	174643	49.5	
49 Chloroform	83	6.033	6.033	0.0	84	1047683	51.9	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	87	819731	53.9	
51 Cyclohexane	56	6.257	6.257	0.0	91	1735149	52.5	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	878523	54.0	
53 Carbon tetrachloride	117	6.388	6.388	0.0	69	746100	49.0	
55 Benzene	78	6.601	6.601	0.0	96	2347661	51.5	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	88	943146	50.2	
60 Trichloroethene	130	7.240	7.240	0.0	91	698531	53.8	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	1210146	53.0	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	92	708830	52.8	
65 Dibromomethane	93	7.559	7.559	0.0	87	274879	51.6	
66 1,4-Dioxane	88	7.583	7.583	0.0	90	171955	2524.6	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	594787	46.8	
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	91	518016	102.1	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	81	713149	47.0	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	1084372	110.7	
72 Toluene	91	8.411	8.411	0.0	91	2409329	53.1	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	91	546811	46.9	
74 Ethyl methacrylate	69	8.683	8.683	0.0	91	446997	51.5	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	354494	51.9	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	530596	52.8	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	619158	50.7	
78 2-Hexanone	43	8.979	8.979	0.0	99	621704	107.6	
79 Chlorodibromomethane	129	9.109	9.109	0.0	86	362791	44.6	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	350713	52.2	
82 Chlorobenzene	112	9.618	9.618	0.0	90	1456635	50.0	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	498074	52.5	
84 Ethylbenzene	106	9.713	9.713	0.0	98	808050	52.8	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1975795	105.7	
85 o-Xylene	106	10.150	10.150	0.0	95	947358	52.4	
86 Styrene	104	10.162	10.162	0.0	94	1389694	53.7	
87 Bromoform	173	10.316	10.316	0.0	95	160339	45.1	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2517826	53.9	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	80	363072	54.3	
91 Bromobenzene	156	10.718	10.718	0.0	91	548938	52.7	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	80	114887	51.9	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.742	0.0	53	127883	48.4	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	677167	57.1	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	576773	53.3	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	1968152	56.1	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	557053	53.0	
97 tert-Butylbenzene	119	11.227	11.227	0.0	82	1882762	56.1	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	1910971	55.1	
99 sec-Butylbenzene	105	11.405	11.405	0.0	96	2494241	56.4	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	90	1031448	50.4	
101 4-Isopropyltoluene	119	11.523	11.523	0.0	92	2177543	55.8	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	1029102	49.4	

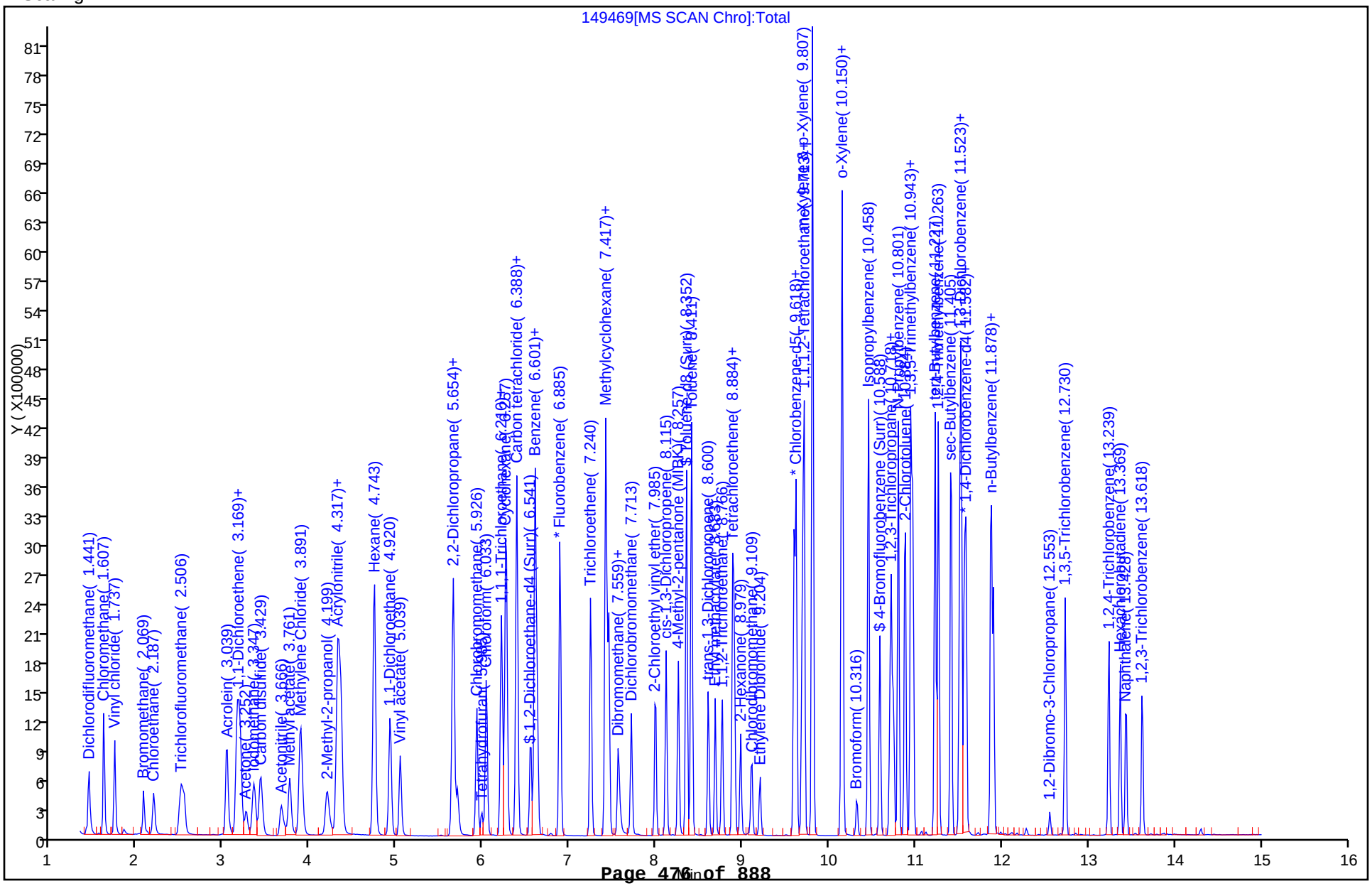
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1756086	54.6	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	922571	48.1	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	73	43558	42.1	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	685634	45.6	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	557590	42.6	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	93	292438	45.6	
111 Naphthalene	128	13.440	13.440	0.0	97	975472	39.2	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	95	407633	39.5	
S 137 Trihalomethanes, Total	1				0		188.4	
S 11 1,2-Dichloroethene, Total	96				0		105.6	
S 9 1,3-Dichloropropene, Total	75				0		93.9	
S 114 Xylenes, Total	106				0		158.1	

Report Date: 28-Nov-2012 10:32:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149469.D		
Injection Date:	27-Nov-2012 11:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	10
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\BFB5043.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	12-Nov-2012 13:44:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	P21112A-IC,BFBUX10,,1904 =P21112A-IC,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	64678	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\8260_10.m		
Last Update:	14-Nov-2012 12:22:52	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK005		
First Level Reviewer: quayler		Date:	12-Nov-2012 14:08:02

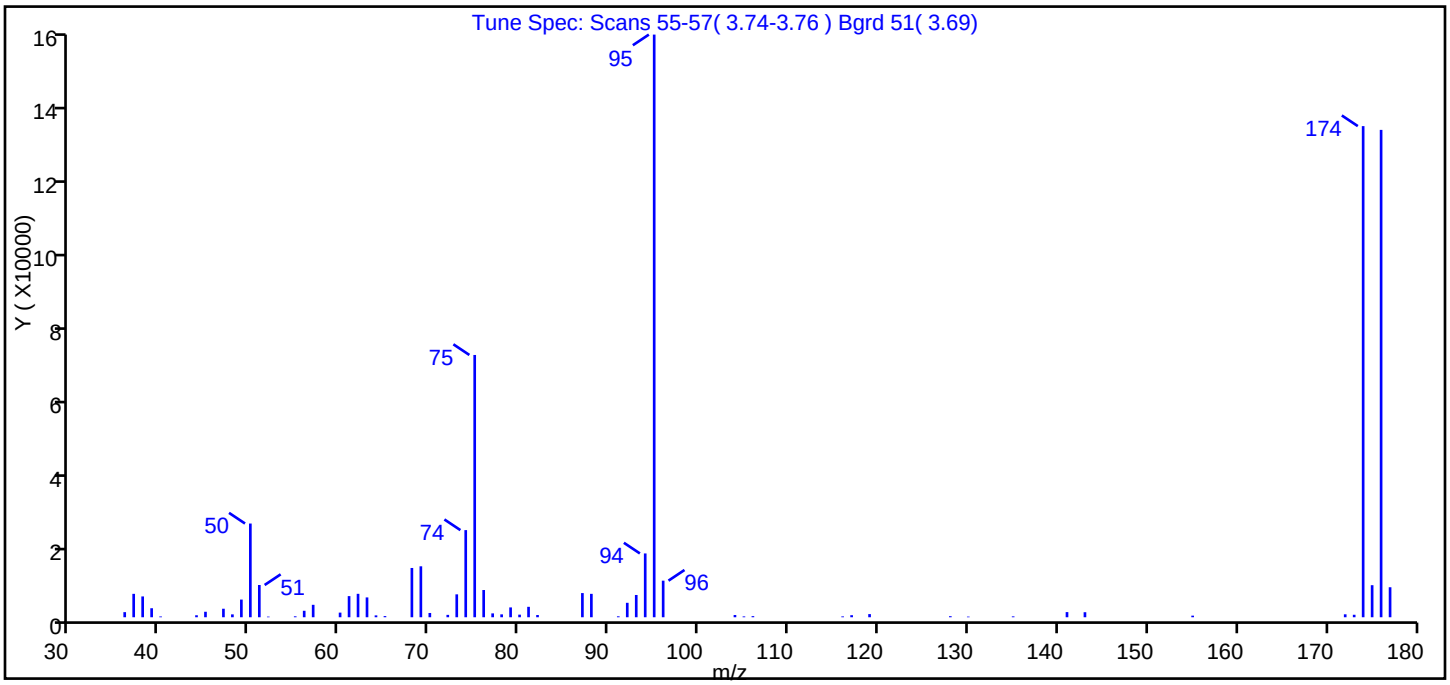
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.748	3.748	0.0	0	464045	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\BFB5043.D		
Injection Date:	12-Nov-2012 13:44:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	64678	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.09
75	30.00 - 60.00% of mass 95	45.01
96	5.00 - 9.00% of mass 95	6.28
173	Less than 2.00% of mass 174	0.43 (0.51)
174	Greater than 50.00% of mass 95	84.29
175	5.00 - 9.00% of mass 174	5.50 (6.53)
176	95.00 - 101.00% of mass 174	83.64 (99.23)
177	5.00 - 9.00% of mass 176	5.15 (6.16)

Report Date: 14-Nov-2012 12:22:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Data File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\BFB5043.D\8260_10.rslt\spectra.d
Injection Date: 12-Nov-2012 13:44:30
Spectrum: Tune Spec: Scans 55-57(3.74-3.76) Bgrd 51(3.69)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1324	60.00	1202	79.00	2549	117.00	533
37.00	6063	61.00	5473	80.00	675	119.00	816
38.00	5390	62.00	6068	81.00	2702	128.00	270
39.00	2338	63.00	5135	82.00	577	130.00	169
40.00	204	64.00	486	87.00	6259	135.00	228
44.00	517	65.00	303	88.00	6061	141.00	1335
45.00	1423	68.00	12760	91.00	241	143.00	1304
47.00	2207	69.00	13191	92.00	3739	155.00	416
48.00	748	70.00	1107	93.00	5766	172.00	764
49.00	4579	72.00	619	94.00	16520	173.00	646
50.00	24264	73.00	5931	95.00	150848	174.00	127152
51.00	8351	74.00	22560	96.00	9474	175.00	8300
52.00	167	75.00	67904	104.00	579	176.00	126176
55.00	241	76.00	7051	105.00	218	177.00	7770
56.00	1678	77.00	1003	106.00	286		
57.00	3222	78.00	752	116.00	222		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX10\20121121-15165.b\BFB5061.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	21-Nov-2012 10:04:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:			
Misc. Info.:	P21121A,BFBUX10,,1904 =P21121A,BFBUX10,,1904		
Operator:	1904	Instrument ID:	A3UX10
Purge Vol:	5.000 mL	ALS Bottle#:	5
Lims Batch ID:	65929	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX10\20121121-15165.b\8260_10.m		
Last Update:	23-Nov-2012 08:56:25	Calib Date:	12-Nov-2012 19:16:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK024		
First Level Reviewer: quayler		Date:	21-Nov-2012 10:49:18

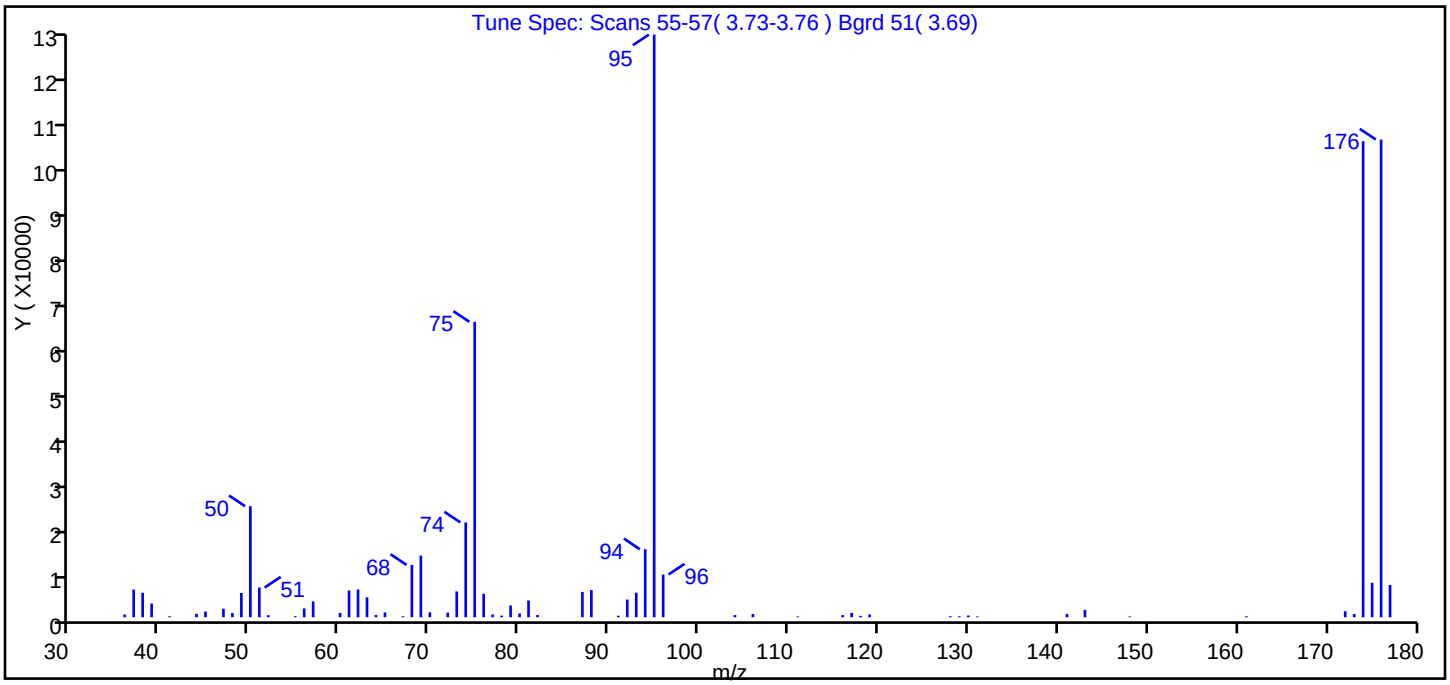
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.746	3.746	0.0	0	394901	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX10\20121121-15165.b\BFB5061.D		
Injection Date:	21-Nov-2012 10:04:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	1
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.07
75	30.00 - 60.00% of mass 95	50.70
96	5.00 - 9.00% of mass 95	7.33
173	Less than 2.00% of mass 174	0.55 (0.68)
174	Greater than 50.00% of mass 95	81.71
175	5.00 - 9.00% of mass 174	5.92 (7.25)
176	95.00 - 101.00% of mass 174	81.99 (100.35)
177	5.00 - 9.00% of mass 176	5.54 (6.76)

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\BFB5061.D\8260_10.rslt\spectra.d
Injection Date: 21-Nov-2012 10:04:30
Spectrum: Tune Spec: Scans 55-57(3.73-3.76) Bgrd 51(3.69)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	581	61.00	5757	80.00	811	119.00	602
37.00	5952	62.00	5977	81.00	3613	128.00	213
38.00	5267	63.00	4294	82.00	483	129.00	214
39.00	2952	64.00	502	87.00	5452	130.00	379
41.00	221	65.00	1025	88.00	5854	131.00	172
44.00	747	67.00	209	91.00	332	141.00	727
45.00	1239	68.00	11258	92.00	3810	143.00	1585
47.00	1850	69.00	13257	93.00	5277	148.00	173
48.00	914	70.00	1061	94.00	14626	161.00	214
49.00	5221	72.00	1001	95.00	125328	172.00	1291
50.00	23896	73.00	5551	96.00	9187	173.00	694
51.00	6392	74.00	20392	104.00	472	174.00	102400
52.00	445	75.00	63544	106.00	698	175.00	7423
55.00	231	76.00	5050	111.00	172	176.00	102760
56.00	1895	77.00	585	116.00	461	177.00	6943
57.00	3407	78.00	349	117.00	939		
60.00	942	79.00	2536	118.00	295		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\BFB14288.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	23-Nov-2012 09:29:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0015202-019 =240-0015202-019		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	66063	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\8260_14.m		
Last Update:	25-Nov-2012 10:56:52	Calib Date:	23-Nov-2012 13:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK022		
First Level Reviewer: macenczaks		Date:	23-Nov-2012 14:41:17

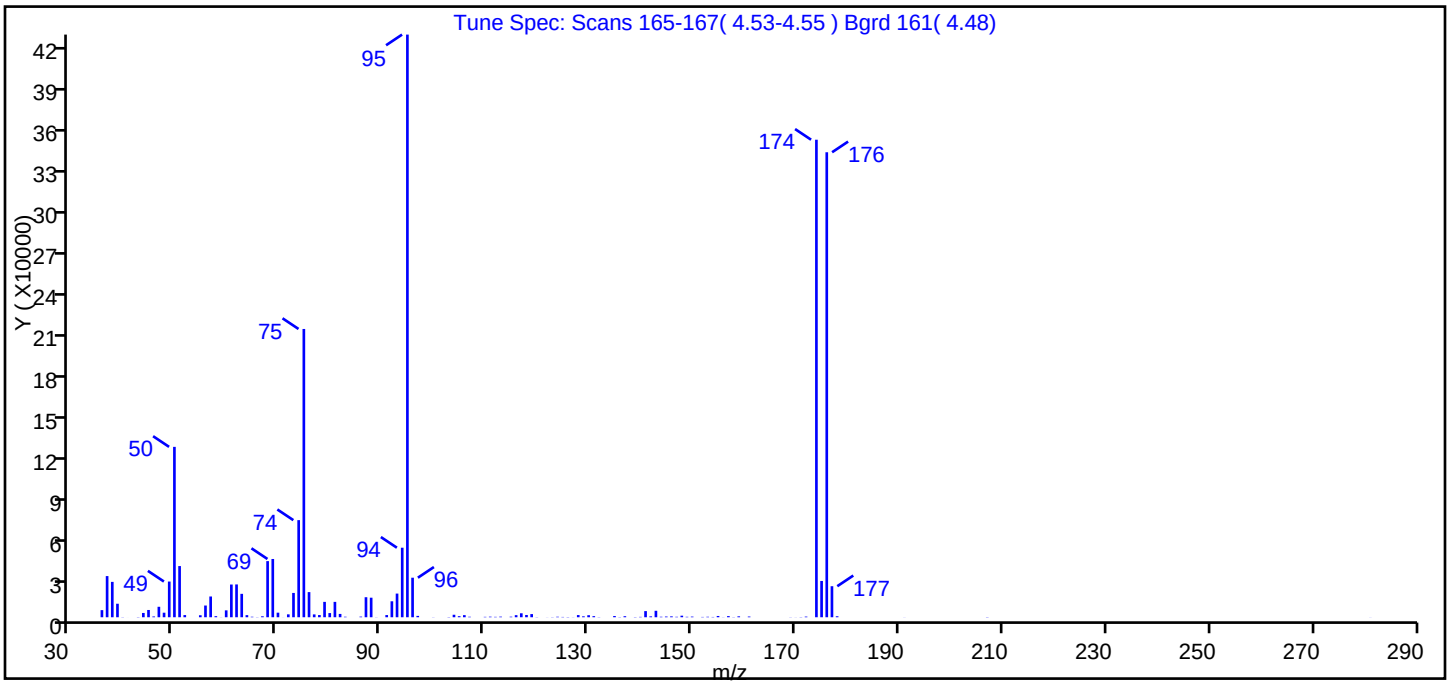
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.538	4.538	0.0	0	1008650	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\BFB14288.D		
Injection Date:	23-Nov-2012 09:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66063	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	29.24
75	30.00 - 60.00% of mass 95	49.48
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	81.96
175	5.00 - 9.00% of mass 174	6.23 (7.60)
176	95.00 - 101.00% of mass 174	79.81 (97.38)
177	5.00 - 9.00% of mass 176	5.33 (6.67)

Report Date: 25-Nov-2012 10:56:53 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Data File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\BFB14288.D\8260_14.rslt\spectra.d
Injection Date: 23-Nov-2012 09:29:30
Spectrum: Tune Spec: Scans 165-167(4.53-4.55) Bgrd 161(4.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5165	69.00	42248	106.00	1531	143.00	4688
37.00	29856	70.00	3318	107.00	367	144.00	371
38.00	25648	71.00	40	110.00	300	145.00	527
39.00	9799	72.00	2102	111.00	428	146.00	637
40.00	121	73.00	17632	112.00	301	147.00	341
41.00	16	74.00	70416	113.00	456	148.00	1135
43.00	159	75.00	209024	115.00	420	149.00	325
44.00	3114	76.00	18232	116.00	1517	150.00	477
45.00	5274	77.00	2071	117.00	2883	152.00	238
46.00	575	78.00	1598	118.00	1645	153.00	358
47.00	7594	79.00	11153	119.00	2299	154.00	217
48.00	3300	80.00	3038	120.00	121	155.00	923
49.00	25896	81.00	11155	122.00	54	156.00	79
50.00	123544	82.00	2412	123.00	126	157.00	823
51.00	37120	83.00	374	124.00	373	158.00	131
52.00	1581	86.00	480	125.00	233	159.00	657
55.00	1443	87.00	14527	126.00	170	161.00	528
56.00	8503	88.00	14184	127.00	77	169.00	100
57.00	15056	89.00	88	128.00	1582	170.00	61
58.00	790	91.00	1583	129.00	663	171.00	149
59.00	72	92.00	11581	130.00	1481	172.00	488
60.00	5009	93.00	17168	131.00	798	174.00	346240
61.00	23736	94.00	50424	132.00	130	175.00	26320
62.00	23800	95.00	422464	135.00	880	176.00	337152
63.00	16976	96.00	28672	136.00	146	177.00	22504
64.00	1530	97.00	991	137.00	753	178.00	720
65.00	374	100.00	88	139.00	174	191.00	58
66.00	117	103.00	176	140.00	278	207.00	162
67.00	698	104.00	1813	141.00	4454	281.00	59
68.00	40704	105.00	771	142.00	641		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\BFB14291.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	27-Nov-2012 10:32:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0015301-001 =240-0015301-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	66419	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m		
Last Update:	28-Nov-2012 10:32:10	Calib Date:	23-Nov-2012 13:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D		
Limit Group:	MSV 8260DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.18 mm
Process Host:	XAWRK021		
First Level Reviewer: macenczaks		Date:	27-Nov-2012 10:40:34

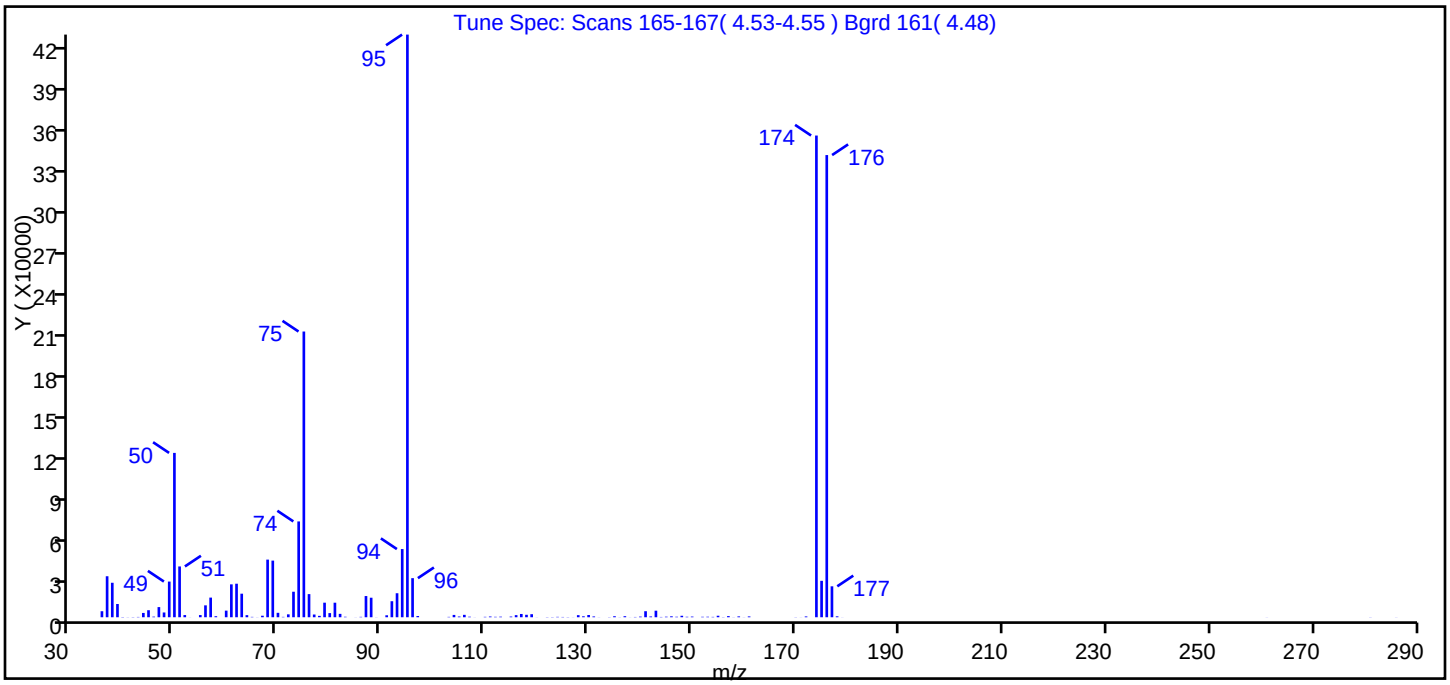
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.537	4.537	0.0	0	1011293	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\BFB14291.D		
Injection Date:	27-Nov-2012 10:32:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	1
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.21
75	30.00 - 60.00% of mass 95	49.04
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	82.68
175	5.00 - 9.00% of mass 174	6.25 (7.57)
176	95.00 - 101.00% of mass 174	79.32 (95.95)
177	5.00 - 9.00% of mass 176	5.31 (6.69)

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\BFB14291.D\8260_14.rslt\spectra.d
Injection Date: 27-Nov-2012 10:32:30
Spectrum: Tune Spec: Scans 165-167(4.53-4.55) Bgrd 161(4.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4450	69.00	41768	107.00	412	142.00	585
37.00	30240	70.00	3270	108.00	52	143.00	4833
38.00	25432	71.00	280	110.00	314	144.00	228
39.00	9767	72.00	2142	111.00	559	145.00	421
40.00	188	73.00	18824	112.00	324	146.00	695
41.00	88	74.00	70656	113.00	439	147.00	377
42.00	153	75.00	210688	115.00	524	148.00	1095
43.00	237	76.00	17064	116.00	1556	149.00	354
44.00	3179	77.00	2019	117.00	2420	150.00	506
45.00	5187	78.00	1031	118.00	1815	152.00	350
46.00	462	79.00	10745	119.00	2255	153.00	390
47.00	7490	80.00	3061	120.00	51	154.00	274
48.00	3522	81.00	10731	122.00	146	155.00	1117
49.00	26320	82.00	2497	123.00	156	156.00	130
50.00	121192	83.00	363	124.00	302	157.00	842
51.00	37464	85.00	58	125.00	223	158.00	79
52.00	1617	86.00	301	126.00	140	159.00	628
53.00	51	87.00	15642	127.00	61	160.00	68
55.00	1604	88.00	14407	128.00	1542	161.00	611
56.00	8777	89.00	73	129.00	700	170.00	109
57.00	14491	91.00	1459	130.00	1659	171.00	50
58.00	763	92.00	11828	131.00	603	172.00	608
60.00	4878	93.00	17712	132.00	67	174.00	355200
61.00	24264	94.00	50280	134.00	126	175.00	26872
62.00	24728	95.00	429632	135.00	753	176.00	340800
63.00	17376	96.00	28832	136.00	78	177.00	22816
64.00	1546	97.00	895	137.00	772	178.00	685
65.00	283	103.00	283	138.00	52	179.00	53
66.00	69	104.00	1721	139.00	219	261.00	58
67.00	1124	105.00	543	140.00	484	281.00	92
68.00	42504	106.00	1782	141.00	4453	286.00	64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65929/6

Matrix: Water | Lab File ID: UXX1132.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 11:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65929 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.25	U	1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	0.50	U	1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	0.25	U	1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	0.25	U	1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	0.50	U	2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	0.57	U	10	0.57	0.57
591-78-6	2-Hexanone	0.50	U	10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	0.50	U	10	0.50	0.32
67-64-1	Acetone	1.1	U	10	1.1	1.1
71-43-2	Benzene	0.25	U	1.0	0.25	0.13
75-25-2	Bromoform	0.64	U	1.0	0.64	0.64
74-83-9	Bromomethane	0.50	U	1.0	0.50	0.41
75-15-0	Carbon disulfide	0.25	U	1.0	0.25	0.13
56-23-5	Carbon tetrachloride	0.25	U	1.0	0.25	0.13
108-90-7	Chlorobenzene	0.25	U	1.0	0.25	0.15
75-27-4	Bromodichloromethane	0.25	U	1.0	0.25	0.15
74-87-3	Chloromethane	0.50	U	1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.0	0.25	0.14
124-48-1	Dibromochloromethane	0.25	U	1.0	0.25	0.18
100-41-4	Ethylbenzene	0.25	U	1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	0.25	U	1.0	0.25	0.17
75-09-2	Methylene Chloride	1.66		1.0	0.50	0.33
100-42-5	Styrene	0.25	U	1.0	0.25	0.11
127-18-4	Tetrachloroethene	0.50	U	1.0	0.50	0.29
108-88-3	Toluene	0.25	U	1.0	0.25	0.13
67-66-3	Chloroform	0.25	U	1.0	0.25	0.16
74-97-5	Bromochloromethane	0.50	U	1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	0.25	U	1.0	0.25	0.24
10061-02-6	trans-1,3-Dichloropropene	0.25	U	1.0	0.25	0.19
79-01-6	Trichloroethene	0.25	U	1.0	0.25	0.17
75-01-4	Vinyl chloride	0.25	U	1.0	0.25	0.22
75-00-3	Chloroethane	0.50	U	1.0	0.50	0.29
1330-20-7	Xylenes, Total	0.75	U	2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-65929/6

Matrix: Water Lab File ID: UXX1132.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 11:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65929 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-120
2037-26-5	Toluene-d8 (Surr)	102		85-120
460-00-4	4-Bromofluorobenzene (Surr)	81		75-120
1868-53-7	Dibromofluoromethane (Surr)	101		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1132.D
Lims ID: MB Client ID:
Inject. Date: 21-Nov-2012 11:58:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015165-006
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 65929 Lims Sample ID: 6
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121121-15165.b\8260_10.m
Last Update: 23-Nov-2012 08:56:27 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK024

First Level Reviewer: quayler Date: 21-Nov-2012 12:32:09

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.206	-0.002	99	1882635	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.881	-0.003	86	1166712	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	95	518952	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.626	0.010	58	522909	10.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.922	-0.002	0	654280	10.8	
$ 7 Toluene-d8 (Surr)	98	6.564	6.567	-0.003	93	1876142	10.2	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	88	494211	8.14	
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
12 Dichlorodifluoromethane	85		1.562					
13 Chloromethane	50		1.704					
14 Vinyl chloride	62		1.798					
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94		2.094					
17 Chloroethane	64		2.177					
18 Dichlorofluoromethane	67		2.331					
19 Trichlorofluoromethane	101		2.402					
20 Ethyl ether	59	2.600	2.603	-0.003	63	5511	0.1160	
21 Acrolein	56		2.710					9
23 1,1-Dichloroethene	96		2.804					
24 Acetone	43		2.828					
25 1,1,2-Trichloro-1,2,2-trifluoroe	151		2.840					
22 Methylal	45		2.851					9
26 Iodomethane	142		2.934					
27 Carbon disulfide	76		3.005					
28 Acetonitrile	41		3.053					
30 Methyl acetate	43		3.100					9
29 3-Chloro-1-propene	76		3.100					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84	3.192	3.195	-0.003	88	107739	1.66	
32 2-Methyl-2-propanol	59	3.251	3.266	-0.015	59	7478	1.96	
33 Acrylonitrile	53		3.384					
34 trans-1,2-Dichloroethene	96		3.431					
35 Methyl tert-butyl ether	73		3.431					
36 Hexane	86		3.668					
37 1,1-Dichloroethane	63		3.775					
38 Vinyl acetate	86		3.798					
39 Isopropyl ether	87		3.822					
40 2-Chloro-1,3-butadiene	53		3.846					
41 Tert-butyl ethyl ether	59		4.118					
42 2-Butanone (MEK)	43		4.236					
43 cis-1,2-Dichloroethene	96		4.248					
44 2,2-Dichloropropane	77		4.260					
45 Propionitrile	54		4.283					
46 Ethyl acetate	43		4.283					9
47 Methacrylonitrile	41		4.414					9
48 Chlorobromomethane	128		4.437					
50 Chloroform	83		4.496					9
49 Tetrahydrofuran	42		4.496					19
51 1,1,1-Trichloroethane	97		4.674					
52 Cyclohexane	56		4.745					
53 1,1-Dichloropropene	75		4.816					
54 Carbon tetrachloride	117		4.828					
55 Isobutyl alcohol	41		4.851					9
56 1,2-Dichloroethane	62		4.981					
57 Benzene	78		4.981					9
58 Tert-amyl methyl ether	73		5.064					
59 n-Heptane	100		5.195					
60 n-Butanol	56		5.408					
61 Trichloroethene	130		5.526					
62 Ethyl acrylate	55		5.605					9
63 Methylcyclohexane	83		5.703					9
64 1,2-Dichloropropane	63		5.703					
65 Methyl methacrylate	41		5.774					
66 Dibromomethane	93		5.798					
67 1,4-Dioxane	88	5.807	5.810	-0.003	17	1648	14.5	
68 Dichlorobromomethane	83		5.928					
69 2-Nitropropane	41		6.118					
70 2-Chloroethyl vinyl ether	63		6.177					
71 cis-1,3-Dichloropropene	75		6.319					
72 4-Methyl-2-pentanone (MIBK)	43		6.437					9
73 Toluene	91		6.626					9
74 trans-1,3-Dichloropropene	75		6.804					
75 Ethyl methacrylate	69		6.875					
76 1,1,2-Trichloroethane	97		6.969					
77 1,3-Dichloropropane	76		7.123					
78 Tetrachloroethene	164	7.132	7.135	-0.003	56	4164	0.1049	
79 2-Hexanone	43		7.182					9
80 n-Butyl acetate	56		7.301					
81 Chlorodibromomethane	129		7.336					
82 Tetrahydrothiophene	60		7.346					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
83 Ethylene Dibromide	107		7.455					
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112		7.904					9
86 1,1,1,2-Tetrachloroethane	131		7.975					
87 Ethylbenzene	106		8.011					9
88 m-Xylene & p-Xylene	106		8.117					9
89 o-Xylene	106		8.496					9
90 Styrene	104		8.508					9
91 Bromoform	173		8.685					
92 Isopropylbenzene	105		8.851					9
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55	8.931	8.934	-0.003	70	28216	4.92	
95 1,1,2,2-Tetrachloroethane	83		9.111					9
96 Bromobenzene	156		9.147					
97 1,2,3-Trichloropropane	110		9.158					
98 trans-1,4-Dichloro-2-butene	53		9.170					
99 N-Propylbenzene	120		9.241					9
100 2-Chlorotoluene	126		9.336					9
101 1,3,5-Trimethylbenzene	105		9.419					9
102 4-Chlorotoluene	126		9.431					
103 tert-Butylbenzene	119		9.738					9
104 1,2,4-Trimethylbenzene	105		9.786					9
105 sec-Butylbenzene	105		9.951					9
106 1,3-Dichlorobenzene	146		10.070					9
107 4-Isopropyltoluene	119		10.093					9
108 1,4-Dichlorobenzene	146		10.152					9
109 1,2,3-Trimethylbenzene	105		10.200					9
110 n-Butylbenzene	91		10.496					9
111 1,2-Dichlorobenzene	146		10.519					9
112 1,2-Dibromo-3-Chloropropane	157		11.288					
113 1,3,5-Trichlorobenzene	180		11.513					9
114 1,2,4-Trichlorobenzene	180		12.128					9
115 Hexachlorobutadiene	225		12.306					
116 Naphthalene	128	12.374	12.377	-0.003	80	27809	0.2073	
117 1,2,3-Trichlorobenzene	180	12.623	12.625	-0.002	42	12764	0.2685	
118 2-Methylnaphthalene	142	13.676	13.679	-0.003	65	13835	0.1934	
S 119 Trihalomethanes, Total	1		0.000					7
S 120 1,2-Dichloroethene, Total	96		1.140					7
S 121 1,3-Dichloropropene, Total	75		6.760					7
S 122 Xylenes, Total	106		16.530					7
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

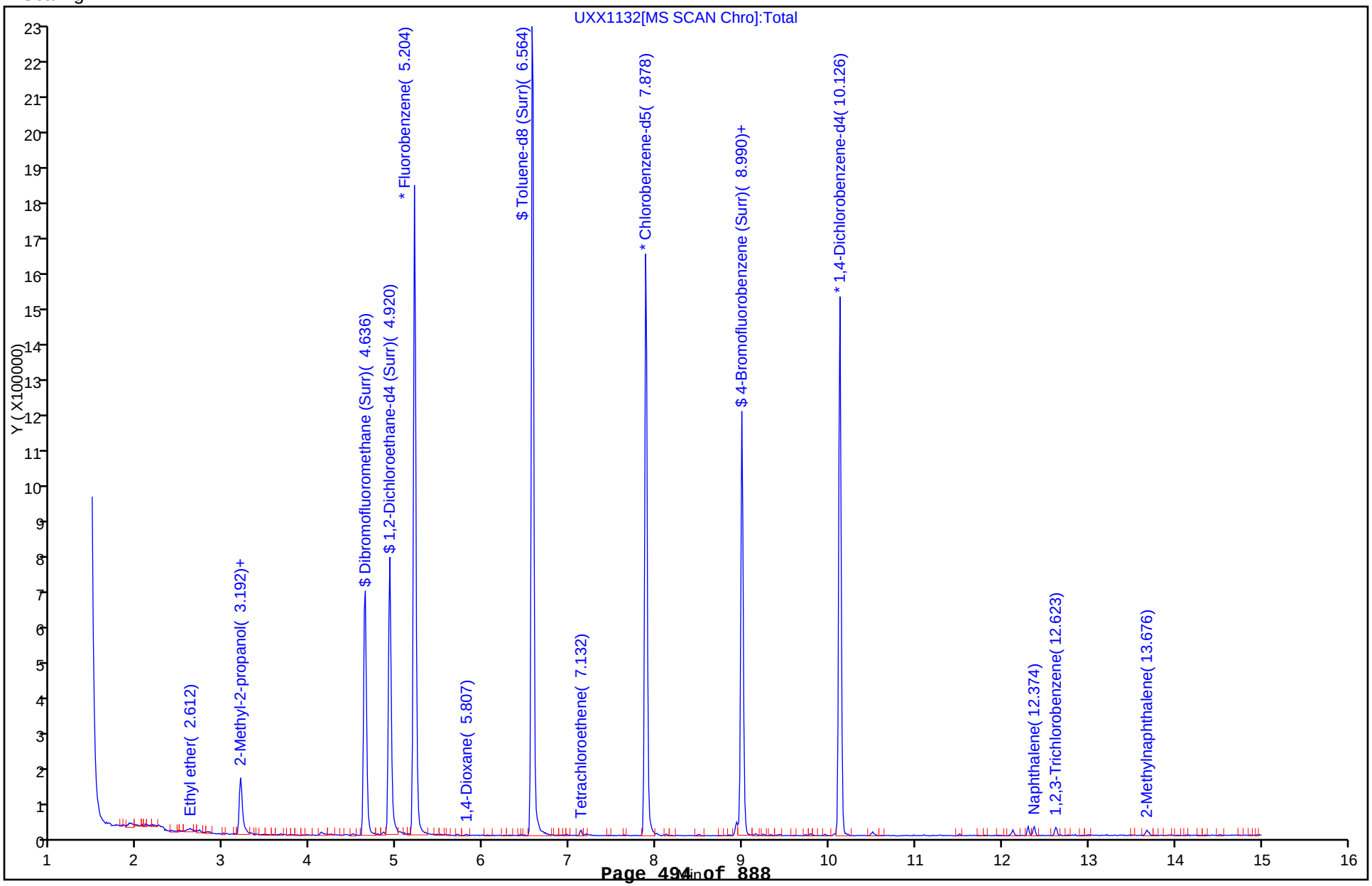
Report Date: 23-Nov-2012 08:56:54 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1132.D

Injection Date:	21-Nov-2012 11:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



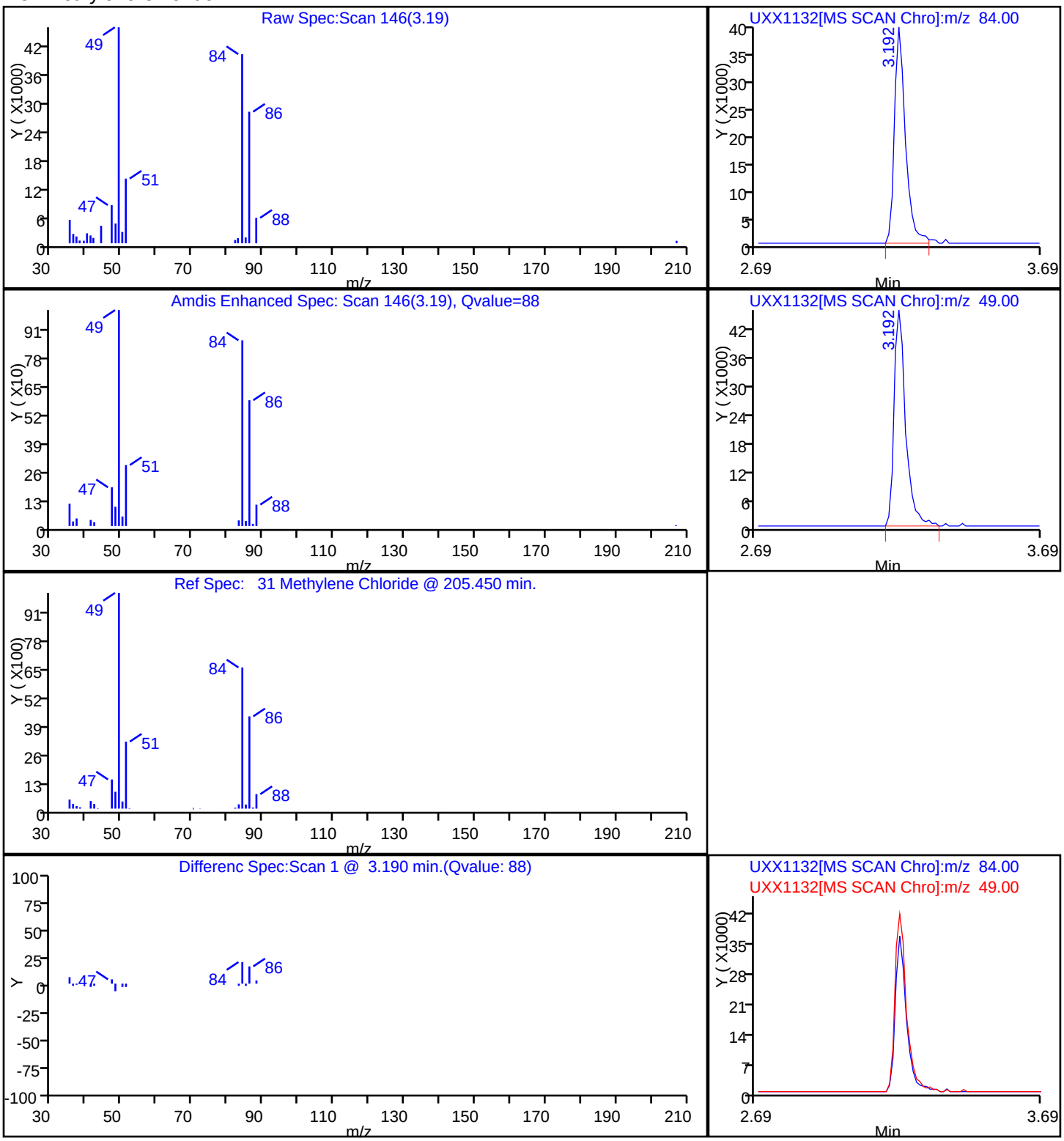
Report Date: 23-Nov-2012 08:56:55 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1132.D

Injection Date:	21-Nov-2012 11:58:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	6
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

31 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66419/12

Matrix: Solid | Lab File ID: 149476.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/27/2012 14:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	0.50	U	5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	0.50	U	5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	0.50	U	5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	1.0	U	10	1.0	0.77
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	2.0	U	20	2.0	1.4
591-78-6	2-Hexanone	1.0	U	20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	20	1.0	0.54
67-64-1	Acetone	17.1	J	20	6.3	6.3
71-43-2	Benzene	0.50	U	5.0	0.50	0.23
75-25-2	Bromoform	0.50	U	5.0	0.50	0.33
74-83-9	Bromomethane	1.0	U	5.0	1.0	0.54
75-15-0	Carbon disulfide	0.50	U	5.0	0.50	0.44
56-23-5	Carbon tetrachloride	0.50	U	5.0	0.50	0.37
108-90-7	Chlorobenzene	0.50	U	5.0	0.50	0.33
75-27-4	Bromodichloromethane	0.50	U	5.0	0.50	0.28
74-87-3	Chloromethane	0.50	U	5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	0.50	U	5.0	0.50	0.34
124-48-1	Dibromochloromethane	1.0	U	5.0	1.0	0.55
100-41-4	Ethylbenzene	0.50	U	5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	0.50	U	5.0	0.50	0.43
75-09-2	Methylene Chloride	1.0	U	5.0	1.0	0.67
100-42-5	Styrene	0.50	U	5.0	0.50	0.15
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.52
108-88-3	Toluene	0.331	J	5.0	0.50	0.27
67-66-3	Chloroform	0.50	U	5.0	0.50	0.29
74-97-5	Bromochloromethane	1.0	U	5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	1.0	U	5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.54
79-01-6	Trichloroethene	0.50	U	5.0	0.50	0.42
75-01-4	Vinyl chloride	0.50	U	5.0	0.50	0.39
75-00-3	Chloroethane	1.0	U	5.0	1.0	0.86
1330-20-7	Xylenes, Total	1.5	U	10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-66419/12

Matrix: Solid Lab File ID: 149476.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/27/2012 14:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		61-130
2037-26-5	Toluene-d8 (Surr)	92		85-115
460-00-4	4-Bromofluorobenzene (Surr)	87		85-120
1868-53-7	Dibromofluoromethane (Surr)	83		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149476.D
Lims ID: MB Client ID:
Inject. Date: 27-Nov-2012 14:29:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: rb
Misc. Info.: 240-0015301-012 =240-0015301-012
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 66419 Lims Sample ID: 12
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: macenczaks Date: 27-Nov-2012 14:47:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2140818	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	1267736	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	99	636034	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	69	441638	41.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	91	626264	47.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1814827	45.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	90	551179	43.5	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.441					9
13 Chloromethane	50		1.607					9
14 Vinyl chloride	62		1.737					
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
17 Dichlorofluoromethane	67		2.447					9
18 Trichlorofluoromethane	101		2.506					
19 Ethyl ether	59	2.873	2.873	0.0	72	4129	0.3911	
25 Methylal	45		2.932					9
20 Acrolein	56		3.039					9
21 1,1-Dichloroethene	96		3.157					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.193					
22 Acetone	43	3.264	3.264	0.0	98	72771	17.1	
24 Iodomethane	142		3.347					
26 Carbon disulfide	76		3.429					9
27 Acetonitrile	41		3.666					9
29 3-Chloro-1-propene	76		3.690					
28 Methyl acetate	43		3.761					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methylene Chloride	84		3.891					
31 2-Methyl-2-propanol	59		4.199					
32 Acrylonitrile	53		4.305					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.352					
35 Hexane	86	4.743	4.743	0.0	91	1567	0.5079	
36 1,1-Dichloroethane	63		4.920					
37 Vinyl acetate	86		5.039					
39 2-Chloro-1,3-butadiene	53		5.039					
38 Isopropyl ether	87		5.074					
40 Tert-butyl ethyl ether	59		5.524					
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77		5.642					9
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43		5.701					
44 Propionitrile	54		5.761					
45 Ethyl acetate	43		5.796					9
47 Chlorobromomethane	128		5.926					
46 Methacrylonitrile	41		5.926					9
48 Tetrahydrofuran	42		5.985					9
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
51 Cyclohexane	56		6.257					9
52 1,1-Dichloropropene	75		6.388					9
53 Carbon tetrachloride	117		6.388					
54 Isobutyl alcohol	41		6.589					
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
57 Tert-amyl methyl ether	73		6.743					9
58 n-Heptane	100		6.897					
59 n-Butanol	56	7.240	7.228	0.012	59	1495	-16.1	7
60 Trichloroethene	130		7.240					
80 Tetrahydrothiophene	60		7.255					
63 Methylcyclohexane	83		7.417					
62 1,2-Dichloropropane	63		7.453					
65 Dibromomethane	93		7.559					
64 Methyl methacrylate	41		7.571					
66 1,4-Dioxane	88		7.583					
67 Dichlorobromomethane	83		7.713					
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63		7.997					
70 cis-1,3-Dichloropropene	75		8.115					9
71 4-Methyl-2-pentanone (MIBK)	43		8.257					
72 Toluene	91	8.411	8.411	0.0	89	14513	0.3313	
73 trans-1,3-Dichloropropene	75		8.600					
74 Ethyl methacrylate	69		8.683					9
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.884					9
76 1,3-Dichloropropane	76		8.908					9
78 2-Hexanone	43		8.979					9
132 n-Butyl acetate	43		9.086					
79 Chlorodibromomethane	129		9.109					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 Ethylene Dibromide	107		9.204					
81 1-Chlorohexane	91	9.594	9.594	0.0	10	2551	0	
82 Chlorobenzene	112		9.618					9
83 1,1,1,2-Tetrachloroethane	131		9.689					
84 Ethylbenzene	106		9.713					
10 m-Xylene & p-Xylene	106		9.807					
85 o-Xylene	106		10.150					
86 Styrene	104		10.162					9
87 Bromoform	173		10.316					
88 Isopropylbenzene	105		10.458					9
89 Cyclohexanone	55		10.541					
90 1,1,2,2-Tetrachloroethane	83		10.707					9
91 Bromobenzene	156		10.718					9
92 1,2,3-Trichloropropane	110		10.742					9
93 trans-1,4-Dichloro-2-butene	53		10.742					9
94 N-Propylbenzene	120		10.801					9
95 2-Chlorotoluene	126		10.884					9
96 1,3,5-Trimethylbenzene	105		10.943					9
104 4-Chlorotoluene	126		10.967					9
97 tert-Butylbenzene	119		11.227					9
98 1,2,4-Trimethylbenzene	105		11.263					9
99 sec-Butylbenzene	105		11.405					9
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	1	1421	0.0650	7
101 4-Isopropyltoluene	119		11.523					
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	34	2614	0.1174	
103 1,2,3-Trimethylbenzene	105		11.618					
105 n-Butylbenzene	91		11.878					9
106 1,2-Dichlorobenzene	146		11.902					9
107 1,2-Dibromo-3-Chloropropane	157		12.553					
108 1,3,5-Trichlorobenzene	180		12.730					9
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	43	1419	0.1014	
110 Hexachlorobutadiene	225		13.369					
111 Naphthalene	128	13.440	13.440	0.0	50	5671	0.2134	
112 1,2,3-Trichlorobenzene	180	13.618	13.629	-0.011	32	1169	0.1059	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	22	2280	0.1510	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1177829	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	1956249	0	
S 137 Trihalomethanes, Total	1		0.000					
S 11 1,2-Dichloroethene, Total	96		1.140					
S 9 1,3-Dichloropropene, Total	75		6.760					
S 114 Xylenes, Total	106		16.530					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

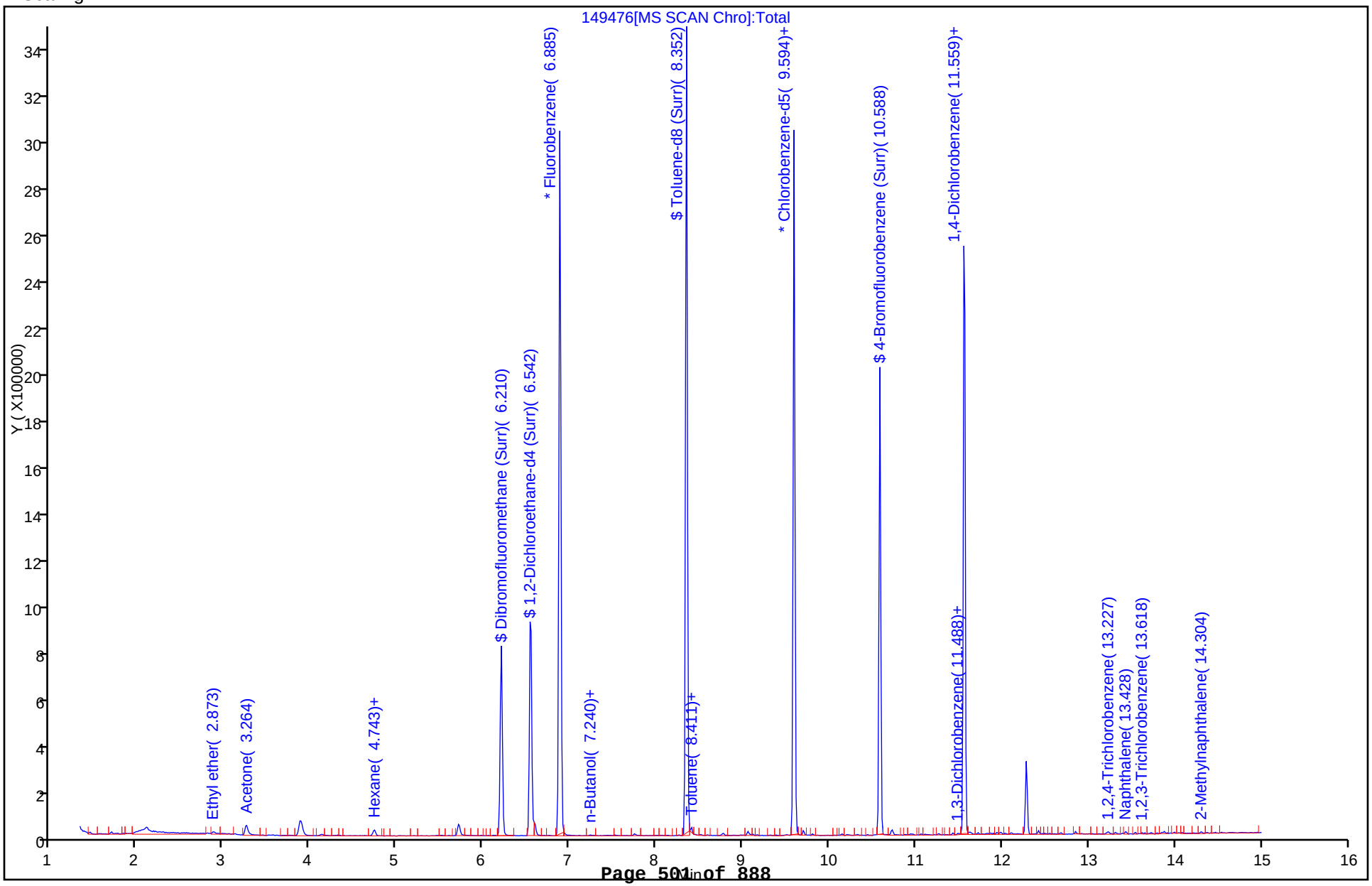
Report Date: 28-Nov-2012 10:32:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149476.D

Injection Date:	27-Nov-2012 14:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	12
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



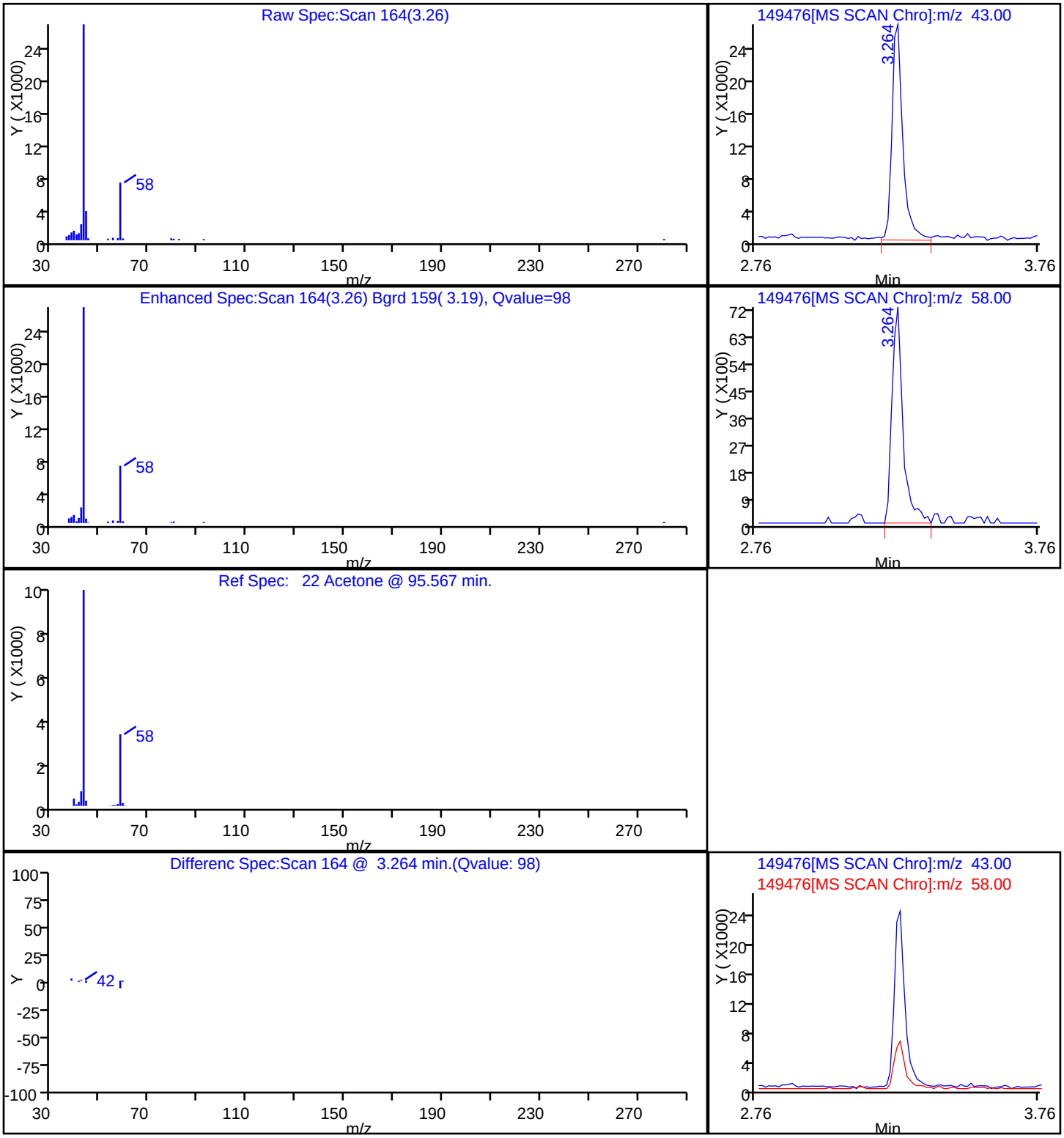
Report Date: 28-Nov-2012 10:32:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149476.D

Injection Date:	27-Nov-2012 14:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	12
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



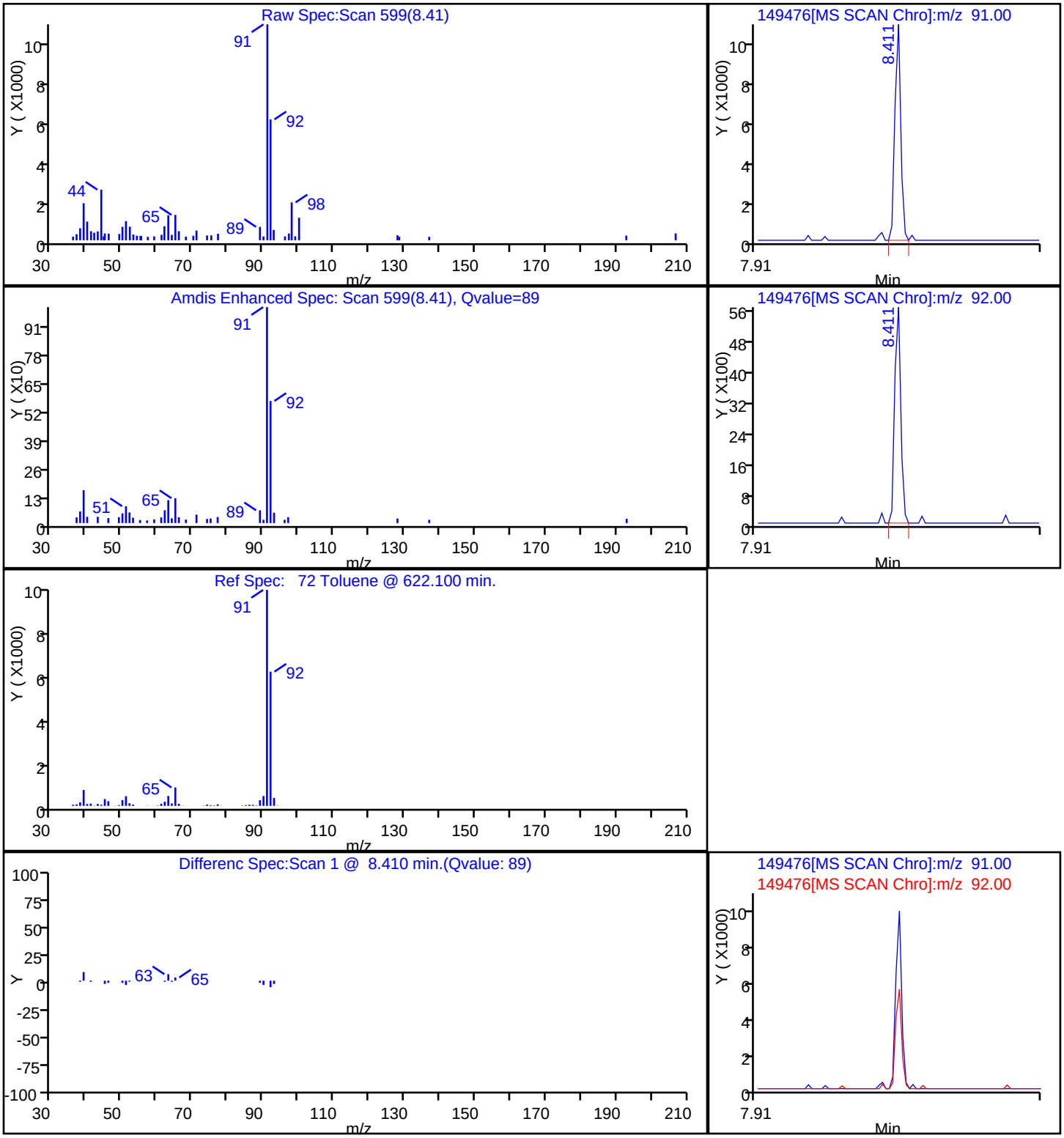
Report Date: 28-Nov-2012 10:32:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149476.D

Injection Date:	27-Nov-2012 14:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	12
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65929/4

Matrix: Water | Lab File ID: UXX1130.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 11:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65929 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	9.78		1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	9.31		1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	9.60		1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	10.3		1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	10.4		1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	10.1		1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	19.6		2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	9.37		1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	18.6		10	0.57	0.57
591-78-6	2-Hexanone	18.6		10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	18.4		10	0.50	0.32
67-64-1	Acetone	21.0		10	1.1	1.1
71-43-2	Benzene	9.60		1.0	0.25	0.13
75-25-2	Bromoform	8.33		1.0	0.64	0.64
74-83-9	Bromomethane	6.91		1.0	0.50	0.41
75-15-0	Carbon disulfide	10.5		1.0	0.25	0.13
56-23-5	Carbon tetrachloride	9.85		1.0	0.25	0.13
108-90-7	Chlorobenzene	9.16		1.0	0.25	0.15
75-27-4	Bromodichloromethane	9.51		1.0	0.25	0.15
74-87-3	Chloromethane	9.01		1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	8.52		1.0	0.25	0.14
124-48-1	Dibromochloromethane	8.97		1.0	0.25	0.18
100-41-4	Ethylbenzene	9.67		1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	9.10		1.0	0.25	0.17
75-09-2	Methylene Chloride	10.5		1.0	0.50	0.33
100-42-5	Styrene	9.45		1.0	0.25	0.11
127-18-4	Tetrachloroethene	9.55		1.0	0.50	0.29
108-88-3	Toluene	9.91		1.0	0.25	0.13
67-66-3	Chloroform	9.35		1.0	0.25	0.16
74-97-5	Bromochloromethane	9.26		1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	9.22		1.0	0.25	0.24
10061-02-6	trans-1,3-Dichloropropene	9.06		1.0	0.25	0.19
79-01-6	Trichloroethene	8.89		1.0	0.25	0.17
75-01-4	Vinyl chloride	9.88		1.0	0.25	0.22
75-00-3	Chloroethane	7.19		1.0	0.50	0.29
1330-20-7	Xylenes, Total	28.9		2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-65929/4

Matrix: Water Lab File ID: UXX1130.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 11:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65929 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-120
2037-26-5	Toluene-d8 (Surr)	102		85-120
460-00-4	4-Bromofluorobenzene (Surr)	94		75-120
1868-53-7	Dibromofluoromethane (Surr)	96		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1130.D
Lims ID: LCS Client ID:
Inject. Date: 21-Nov-2012 11:14:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015165-004
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 65929 Lims Sample ID: 4
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121121-15165.b\8260_10.m
Last Update: 23-Nov-2012 08:56:27 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK024

First Level Reviewer: quayler Date: 21-Nov-2012 11:49:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.205	5.206	-0.001	99	2006611	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.881	-0.002	84	1273857	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	90	669835	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.626	0.011	59	528456	9.62	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.922	-0.001	0	653602	10.1	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	89	2035216	10.2	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	87	621570	9.37	
12 Dichlorodifluoromethane	85	1.560	1.562	-0.002	86	450754	11.3	
13 Chloromethane	50	1.702	1.704	-0.002	89	694453	9.01	
14 Vinyl chloride	62	1.797	1.798	-0.001	83	602958	9.88	
16 Bromomethane	94	2.093	2.094	-0.001	89	197182	6.91	
17 Chloroethane	64	2.175	2.177	-0.002	94	212243	7.19	
19 Trichlorofluoromethane	101	2.400	2.402	-0.002	97	433620	9.79	
20 Ethyl ether	59	2.601	2.603	-0.002	90	485416	9.58	
21 Acrolein	56	2.708	2.710	-0.002	87	173773	24.5	
23 1,1-Dichloroethene	96	2.814	2.804	0.010	90	510964	10.4	
24 Acetone	43	2.826	2.828	-0.002	93	327338	21.0	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.838	2.840	-0.002	90	373952	10.1	
26 Iodomethane	142	2.945	2.934	0.011	97	818526	9.80	
27 Carbon disulfide	76	3.004	3.005	-0.001	98	1640236	10.5	
28 Acetonitrile	41	3.051	3.053	-0.002	79	130475	18.5	
30 Methyl acetate	43	3.098	3.100	-0.002	89	438282	9.34	
31 Methylene Chloride	84	3.193	3.195	-0.002	91	724157	10.5	
32 2-Methyl-2-propanol	59	3.264	3.266	-0.002	93	553512	136.4	
33 Acrylonitrile	53	3.382	3.384	-0.002	99	646074	27.5	
34 trans-1,2-Dichloroethene	96	3.430	3.431	-0.001	67	606273	10.1	
35 Methyl tert-butyl ether	73	3.430	3.431	-0.001	90	1589468	9.10	
36 Hexane	86	3.666	3.668	-0.002	93	93341	9.73	
37 1,1-Dichloroethane	63	3.773	3.775	-0.002	97	1052307	10.3	
38 Vinyl acetate	86	3.797	3.798	-0.001	97	112398	10.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 Isopropyl ether	87	3.820	3.822	-0.002	95	528856	9.12	
42 2-Butanone (MEK)	43	4.246	4.236	0.010	66	490423	18.6	
43 cis-1,2-Dichloroethene	96	4.246	4.248	-0.002	82	632304	9.45	
44 2,2-Dichloropropane	77	4.258	4.260	-0.002	89	493194	8.40	
48 Chlorobromomethane	128	4.447	4.437	0.010	95	300484	9.26	
50 Chloroform	83	4.495	4.496	-0.001	94	965676	9.35	
49 Tetrahydrofuran	42	4.495	4.496	-0.001	86	145820	7.21	
51 1,1,1-Trichloroethane	97	4.672	4.674	-0.002	88	691808	9.78	
52 Cyclohexane	56	4.743	4.745	-0.002	89	760744	9.49	
53 1,1-Dichloropropene	75	4.814	4.816	-0.002	93	696596	9.59	
54 Carbon tetrachloride	117	4.826	4.828	-0.002	86	562274	9.85	
55 Isobutyl alcohol	41	4.850	4.851	-0.001	92	769030	456.9	
56 1,2-Dichloroethane	62	4.980	4.981	-0.001	52	749292	10.1	
57 Benzene	78	4.980	4.981	-0.001	94	2423190	9.60	
61 Trichloroethene	130	5.524	5.526	-0.002	98	553570	8.89	
63 Methylcyclohexane	83	5.702	5.703	-0.001	87	612271	9.26	
64 1,2-Dichloropropane	63	5.702	5.703	-0.001	87	548757	9.37	
66 Dibromomethane	93	5.808	5.798	0.010	89	325003	9.58	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	99	661485	9.51	
70 2-Chloroethyl vinyl ether	63	6.175	6.177	-0.002	91	259825	7.82	
71 cis-1,3-Dichloropropene	75	6.317	6.319	-0.002	91	732196	8.52	
72 4-Methyl-2-pentanone (MIBK)	43	6.447	6.437	0.010	96	935181	18.4	
73 Toluene	91	6.625	6.626	-0.001	98	2379621	9.91	
74 trans-1,3-Dichloropropene	75	6.802	6.804	-0.002	93	616589	9.06	
76 1,1,2-Trichloroethane	97	6.968	6.969	-0.001	85	467199	9.60	
77 1,3-Dichloropropane	76	7.122	7.123	-0.001	91	816782	9.53	
78 Tetrachloroethene	164	7.133	7.135	-0.002	96	413877	9.55	
79 2-Hexanone	43	7.181	7.182	-0.001	97	546153	18.6	
81 Chlorodibromomethane	129	7.335	7.336	-0.001	91	423428	8.97	
83 Ethylene Dibromide	107	7.453	7.455	-0.002	97	435068	9.22	
85 Chlorobenzene	112	7.914	7.904	0.010	97	1391684	9.16	
86 1,1,1,2-Tetrachloroethane	131	7.974	7.975	-0.001	84	499963	9.48	
87 Ethylbenzene	106	8.009	8.011	-0.002	97	734533	9.67	
88 m-Xylene & p-Xylene	106	8.116	8.117	-0.001	99	1834418	19.0	
89 o-Xylene	106	8.494	8.496	-0.002	90	930984	9.85	
90 Styrene	104	8.506	8.508	-0.002	93	1432750	9.45	
91 Bromoform	173	8.684	8.685	-0.001	98	238085	8.33	
92 Isopropylbenzene	105	8.849	8.851	-0.002	95	2001278	9.42	
94 Cyclohexanone	55	8.932	8.934	-0.002	81	644163	87.0	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.111	-0.002	86	581026	9.31	
96 Bromobenzene	156	9.145	9.147	-0.002	91	541489	8.68	
97 1,2,3-Trichloropropane	110	9.157	9.158	-0.001	72	193050	9.57	
98 trans-1,4-Dichloro-2-butene	53	9.169	9.170	-0.001	70	194363	14.3	
99 N-Propylbenzene	120	9.240	9.241	-0.001	98	527018	9.57	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	519953	9.39	
101 1,3,5-Trimethylbenzene	105	9.417	9.419	-0.002	93	1645989	9.69	
102 4-Chlorotoluene	126	9.441	9.431	0.010	98	522174	8.85	
103 tert-Butylbenzene	119	9.737	9.738	-0.001	90	1259654	9.03	
104 1,2,4-Trimethylbenzene	105	9.784	9.786	-0.002	86	1725040	9.82	
105 sec-Butylbenzene	105	9.950	9.951	-0.001	92	1612865	9.08	
106 1,3-Dichlorobenzene	146	10.068	10.070	-0.002	89	946530	8.47	
107 4-Isopropyltoluene	119	10.092	10.093	-0.001	91	1426237	9.55	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,4-Dichlorobenzene	146	10.151	10.152	-0.001	94	1005589	8.35	
109 1,2,3-Trimethylbenzene	105	10.198	10.200	-0.002	95	1813184	9.87	
110 n-Butylbenzene	91	10.494	10.496	-0.002	96	1064600	9.01	
111 1,2-Dichlorobenzene	146	10.518	10.519	-0.001	97	983434	8.79	
112 1,2-Dibromo-3-Chloropropane	157	11.287	11.288	-0.001	78	89292	8.48	
114 1,2,4-Trichlorobenzene	180	12.127	12.128	-0.001	91	400737	7.05	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	95	160368	6.94	
116 Naphthalene	128	12.375	12.377	-0.002	100	1092882	6.31	
117 1,2,3-Trichlorobenzene	180	12.624	12.625	-0.001	98	400879	6.53	
S 119 Trihalomethanes, Total	1				0		36.2	
S 120 1,2-Dichloroethene, Total	96				0		19.5	
S 122 Xylenes, Total	106				0		28.9	

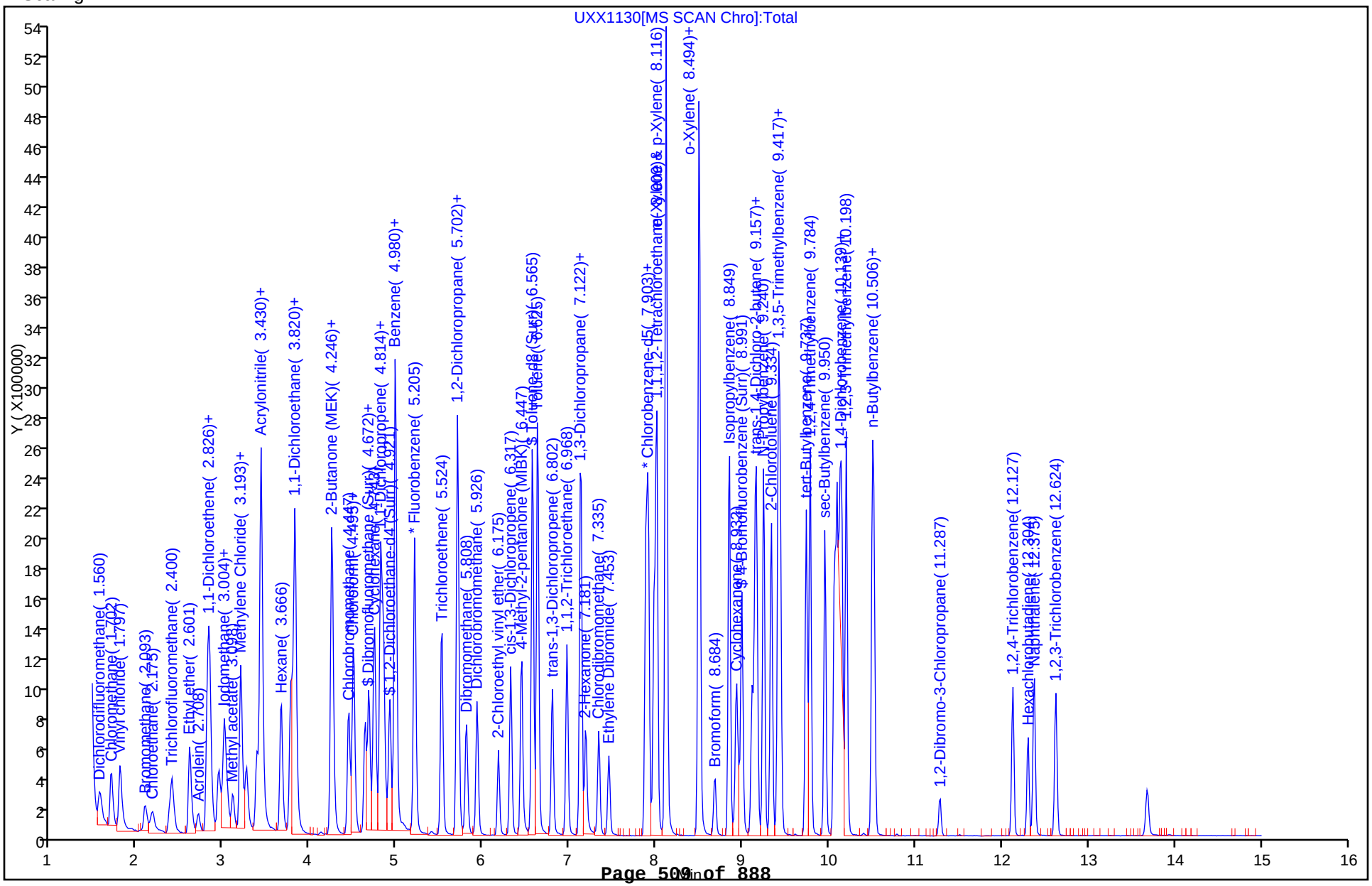
Report Date: 23-Nov-2012 08:56:28 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1130.D

Injection Date:	21-Nov-2012 11:14:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	4
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66419/7

Matrix: Solid | Lab File ID: 149472.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/27/2012 13:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	51.3		5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	50.5		5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	52.7		5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	52.9		5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	52.7		5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	50.7		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	102		10	1.0	0.77
78-87-5	1,2-Dichloropropane	52.9		5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	103		20	2.0	1.4
591-78-6	2-Hexanone	111		20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	106		20	1.0	0.54
67-64-1	Acetone	140		20	6.3	6.3
71-43-2	Benzene	50.2		5.0	0.50	0.23
75-25-2	Bromoform	46.1		5.0	0.50	0.33
74-83-9	Bromomethane	39.0		5.0	1.0	0.54
75-15-0	Carbon disulfide	43.1		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	48.0		5.0	0.50	0.37
108-90-7	Chlorobenzene	48.6		5.0	0.50	0.33
75-27-4	Bromodichloromethane	46.3		5.0	0.50	0.28
74-87-3	Chloromethane	43.2		5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	45.5		5.0	0.50	0.34
124-48-1	Dibromochloromethane	43.0		5.0	1.0	0.55
100-41-4	Ethylbenzene	50.7		5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	50.5		5.0	0.50	0.43
75-09-2	Methylene Chloride	52.1		5.0	1.0	0.67
100-42-5	Styrene	52.8		5.0	0.50	0.15
127-18-4	Tetrachloroethene	50.1		5.0	1.0	0.52
108-88-3	Toluene	50.6		5.0	0.50	0.27
67-66-3	Chloroform	50.0		5.0	0.50	0.29
74-97-5	Bromochloromethane	49.9		5.0	1.0	0.71
106-93-4	1,2-Dibromoethane	51.4		5.0	1.0	0.50
10061-02-6	trans-1,3-Dichloropropene	46.4		5.0	1.0	0.54
79-01-6	Trichloroethene	53.0		5.0	0.50	0.42
75-01-4	Vinyl chloride	43.6		5.0	0.50	0.39
75-00-3	Chloroethane	46.3		5.0	1.0	0.86
1330-20-7	Xylenes, Total	152		10	1.5	0.67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-66419/7

Matrix: Solid Lab File ID: 149472.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/27/2012 13:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66419 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130
2037-26-5	Toluene-d8 (Surr)	91		85-115
460-00-4	4-Bromofluorobenzene (Surr)	90		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149472.D
Lims ID: LCS Client ID:
Inject. Date: 27-Nov-2012 13:03:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: lcs
Misc. Info.: 240-0015301-007 =240-0015301-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 66419 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: macenczaks Date: 27-Nov-2012 13:21:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2220699	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	98	1342506	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.0	99	635774	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	71	500608	45.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	93	629237	46.1	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1906301	45.5	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	571942	45.2	
12 Dichlorodifluoromethane	85	1.442	1.441	0.001	87	487811	39.7	
13 Chloromethane	50	1.607	1.607	0.0	89	950494	43.2	
14 Vinyl chloride	62	1.737	1.737	0.0	83	720453	43.6	
15 Bromomethane	94	2.069	2.069	0.0	91	183508	39.0	
16 Chloroethane	64	2.199	2.187	0.012	94	380317	46.3	
18 Trichlorofluoromethane	101	2.507	2.506	0.0	85	643167	48.4	
19 Ethyl ether	59	2.873	2.873	0.0	94	624552	57.0	
20 Acrolein	56	3.039	3.039	0.0	92	223114	135.9	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	82	530640	52.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.193	0.0	82	506771	54.0	
22 Acetone	43	3.252	3.264	-0.012	98	467139	139.5	
24 Iodomethane	142	3.347	3.347	0.0	99	911223	53.0	
26 Carbon disulfide	76	3.429	3.429	0.0	98	1115520	43.1	
27 Acetonitrile	41	3.666	3.666	0.0	99	170967	138.7	
28 Methyl acetate	43	3.761	3.761	0.0	98	524885	49.8	
30 Methylene Chloride	84	3.891	3.891	0.0	87	596067	52.1	
31 2-Methyl-2-propanol	59	4.187	4.199	-0.012	91	634006	917.2	
32 Acrylonitrile	53	4.305	4.305	0.0	97	692805	145.7	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	87	615009	51.8	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	87	1299977	50.5	
35 Hexane	86	4.743	4.743	0.0	95	172789	54.0	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	1380821	52.9	
37 Vinyl acetate	86	5.039	5.039	0.0	97	77024	57.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	5.074	5.074	0.0	99	501483	44.6	
43 2,2-Dichloropropane	77	5.642	5.642	0.0	74	465913	52.3	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	639570	50.1	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	97	560979	103.2	
47 Chlorobromomethane	128	5.926	5.926	0.0	85	291715	49.9	
48 Tetrahydrofuran	42	5.985	5.985	0.0	92	173485	48.9	
49 Chloroform	83	6.033	6.033	0.0	84	1015276	50.0	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	88	783454	51.3	
51 Cyclohexane	56	6.258	6.257	0.001	91	1645998	49.6	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	82	847834	51.8	
53 Carbon tetrachloride	117	6.388	6.388	0.0	67	733408	48.0	
54 Isobutyl alcohol	41	6.589	6.589	0.0	93	901609	2797.0	
55 Benzene	78	6.601	6.601	0.0	95	2300210	50.2	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	956743	50.7	
60 Trichloroethene	130	7.240	7.240	0.0	91	691128	53.0	
63 Methylcyclohexane	83	7.417	7.417	0.0	96	1141865	49.8	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	90	714095	52.9	
65 Dibromomethane	93	7.559	7.559	0.0	87	283437	53.0	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	591122	46.3	
69 2-Chloroethyl vinyl ether	63	7.985	7.997	-0.012	89	243274	47.7	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	82	691130	45.5	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	1060471	105.9	
72 Toluene	91	8.411	8.411	0.0	91	2346860	50.6	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	91	553255	46.4	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	368179	52.7	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	515153	50.1	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	627635	50.2	
78 2-Hexanone	43	8.979	8.979	0.0	98	653609	110.5	
79 Chlorodibromomethane	129	9.109	9.109	0.0	88	356869	43.0	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	353420	51.4	
82 Chlorobenzene	112	9.618	9.618	0.0	91	1448326	48.6	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	87	491085	50.6	
84 Ethylbenzene	106	9.713	9.713	0.0	98	794066	50.7	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	1928143	100.9	
85 o-Xylene	106	10.151	10.150	0.001	95	948924	51.3	
86 Styrene	104	10.151	10.162	-0.011	90	1395548	52.8	
87 Bromoform	173	10.316	10.316	0.0	97	167884	46.1	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2476596	51.9	
89 Cyclohexanone	55	10.541	10.541	0.0	85	1144416	593.7	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	84	360660	50.5	
91 Bromobenzene	156	10.719	10.718	0.001	91	553683	49.7	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	79	119067	50.3	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.742	0.0	64	276745	98.1	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	690890	54.5	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	574857	49.8	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	1932462	51.5	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	561588	50.0	
97 tert-Butylbenzene	119	11.227	11.227	0.0	81	1887230	52.6	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	1891208	51.1	
99 sec-Butylbenzene	105	11.405	11.405	0.0	95	2462971	52.1	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	84	1053100	48.2	
101 4-Isopropyltoluene	119	11.523	11.523	0.0	90	2218375	53.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	1021863	45.9	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	88	1806353	47.4	
105 n-Butylbenzene	91	11.878	11.878	0.0	94	1768792	51.5	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	947391	46.2	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	73	50306	45.2	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	542238	38.7	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	280243	40.9	
111 Naphthalene	128	13.440	13.440	0.0	97	1043873	39.3	
112 1,2,3-Trichlorobenzene	180	13.618	13.629	-0.011	93	429321	38.9	
S 137 Trihalomethanes, Total	1				0		185.4	
S 11 1,2-Dichloroethene, Total	96				0		102.0	
S 114 Xylenes, Total	106				0		152.2	

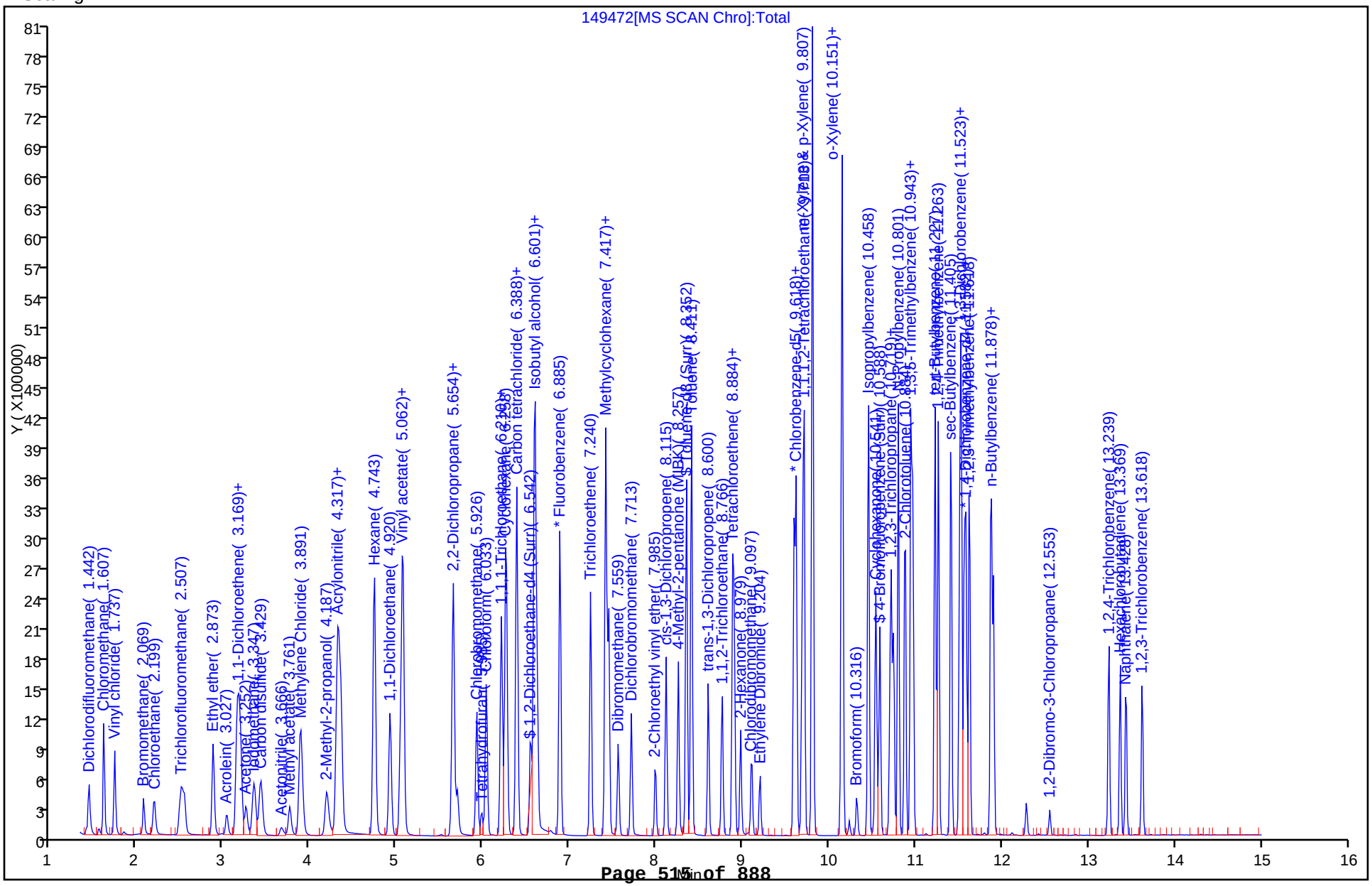
Report Date: 28-Nov-2012 10:32:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149472.D

Injection Date:	27-Nov-2012 13:03:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	7
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65929/7

Matrix: Water | Lab File ID: UXX1133.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 12:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65929 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00105		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00110		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00106		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00112		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00122		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00105		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00206		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.000995	J	0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00706	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00813	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00737	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00622	J ^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00102		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000851	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00107		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00117		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00110		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.000940	J	0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.000961	J	0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00111		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000807	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000911	J	0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.000891	J	0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.000912	J	0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00341	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.000694	J ^	0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00122		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00107		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00107		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.000996	J	0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.000973	J	0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.000811	J	0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00103		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00118		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00102		0.0010	0.00050	0.00029
1330-20-7	Xylenes, Total	0.00257		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-65929/7

Matrix: Water Lab File ID: UXX1133.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 12:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65929 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		50-150
2037-26-5	Toluene-d8 (Surr)	105		50-150
460-00-4	4-Bromofluorobenzene (Surr)	83		50-150
1868-53-7	Dibromofluoromethane (Surr)	98		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1133.D
Lims ID: MRL Client ID:
Inject. Date: 21-Nov-2012 12:30:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015165-007
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 65929 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121121-15165.b\8260_10.m
Last Update: 23-Nov-2012 08:56:27 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK024

First Level Reviewer: quayler Date: 21-Nov-2012 12:58:59

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.204	5.206	-0.002	99	1897366	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.881	-0.003	85	1159870	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	93	573299	10.0	
$ 4 BFB	95	3.441	3.746	-0.305	0	2393	0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.626	0.010	65	510808	9.83	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.922	-0.002	0	621002	10.2	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	94	1913232	10.5	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	89	498770	8.26	
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	77	64729	1.71	
13 Chloromethane	50	1.690	1.704	-0.014	99	80880	1.11	
14 Vinyl chloride	62	1.796	1.798	-0.002	72	68319	1.18	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.092	2.094	-0.002	83	28889	1.07	
17 Chloroethane	64	2.163	2.177	-0.014	68	28483	1.02	
18 Dichlorofluoromethane	67		2.331					
19 Trichlorofluoromethane	101	2.388	2.402	-0.014	79	50748	1.21	
20 Ethyl ether	59	2.613	2.603	0.009	66	8278	0.1728	
21 Acrolein	56	2.695	2.710	-0.015	89	68208	10.2	
23 1,1-Dichloroethene	96	2.802	2.804	-0.002	95	56599	1.22	
24 Acetone	43	2.826	2.828	-0.002	97	109137	6.22	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.840	-0.014	64	43607	1.24	
22 Methylal	45		2.851					
26 Iodomethane	142	2.944	2.934	0.010	94	90253	1.14	
27 Carbon disulfide	76	3.003	3.005	-0.002	98	172622	1.17	
28 Acetonitrile	41	3.062	3.053	0.009	78	22866	1.03	
30 Methyl acetate	43	3.098	3.100	-0.002	95	96174	2.17	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
29 3-Chloro-1-propene	76		3.100					9
31 Methylene Chloride	84	3.192	3.195	-0.003	93	222975	3.41	
32 2-Methyl-2-propanol	59	3.251	3.266	-0.015	89	30978	8.08	
33 Acrylonitrile	53	3.370	3.384	-0.014	87	39560	1.78	
34 trans-1,2-Dichloroethene	96	3.429	3.431	-0.002	69	60980	1.07	
35 Methyl tert-butyl ether	73	3.429	3.431	-0.002	91	150745	0.9124	
36 Hexane	86	3.666	3.668	-0.002	87	11506	1.27	
37 1,1-Dichloroethane	63	3.772	3.775	-0.003	84	108302	1.12	
38 Vinyl acetate	86	3.796	3.798	-0.002	88	8395	0.8344	
39 Isopropyl ether	87		3.822					9
40 2-Chloro-1,3-butadiene	53		3.846					9
41 Tert-butyl ethyl ether	59		4.118					
42 2-Butanone (MEK)	43	4.234	4.236	-0.002	99	175947	7.06	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	70	62280	0.9847	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	67	49613	0.8936	
45 Propionitrile	54		4.283					
46 Ethyl acetate	43	4.234	4.283	-0.049	80	175947	3.56	
47 Methacrylonitrile	41		4.414					9
48 Chlorobromomethane	128	4.447	4.437	0.010	73	30556	1.00	
50 Chloroform	83	4.494	4.496	-0.002	69	104767	1.07	
49 Tetrahydrofuran	42	4.482	4.496	-0.014	29	16389	0.3627	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	87	70067	1.05	
52 Cyclohexane	56	4.742	4.745	-0.003	85	79588	1.05	
53 1,1-Dichloropropene	75	4.813	4.816	-0.003	93	69363	1.01	
54 Carbon tetrachloride	117	4.825	4.828	-0.003	86	59176	1.10	
55 Isobutyl alcohol	41		4.851					9
56 1,2-Dichloroethane	62	4.979	4.981	-0.002	46	73658	1.05	
57 Benzene	78	4.979	4.981	-0.002	94	242865	1.02	
58 Tert-amyl methyl ether	73		5.064					9
59 n-Heptane	100		5.195					
60 n-Butanol	56		5.408					
61 Trichloroethene	130	5.523	5.526	-0.003	94	60537	1.03	
62 Ethyl acrylate	55		5.605					9
63 Methylcyclohexane	83	5.701	5.703	-0.002	81	65877	1.05	
64 1,2-Dichloropropane	63	5.701	5.703	-0.002	76	55127	1.00	
65 Methyl methacrylate	41		5.774					9
66 Dibromomethane	93	5.796	5.798	-0.002	84	31241	0.9739	
67 1,4-Dioxane	88	5.819	5.810	0.009	1	8059	23.6	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	92	63261	0.9614	
69 2-Nitropropane	41		6.118					9
70 2-Chloroethyl vinyl ether	63	6.174	6.177	-0.003	84	36674	1.17	
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	77	65534	0.8068	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	96	354567	7.37	
73 Toluene	91	6.624	6.626	-0.002	93	234137	1.07	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	83	50267	0.8113	
75 Ethyl methacrylate	69	6.872	6.875	-0.003	85	47226	0.8296	
76 1,1,2-Trichloroethane	97	6.967	6.969	-0.002	85	47123	1.06	
77 1,3-Dichloropropane	76	7.121	7.123	-0.002	82	80998	1.04	
78 Tetrachloroethene	164	7.133	7.135	-0.002	93	48287	1.22	
79 2-Hexanone	43	7.180	7.182	-0.002	97	217713	8.13	
80 n-Butyl acetate	56		7.301					
81 Chlorodibromomethane	129	7.334	7.336	-0.002	82	39187	0.9113	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.452	7.455	-0.003	84	41811	0.9731	
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112	7.914	7.904	0.010	90	130059	0.9399	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.975	-0.002	72	48705	1.01	
87 Ethylbenzene	106	8.008	8.011	-0.003	96	61644	0.8911	
88 m-Xylene & p-Xylene	106	8.115	8.117	-0.002	98	152917	1.74	
89 o-Xylene	106	8.493	8.496	-0.003	90	71415	0.8299	
90 Styrene	104	8.505	8.508	-0.003	89	95894	0.6944	
91 Bromoform	173	8.683	8.685	-0.002	80	22138	0.8505	
92 Isopropylbenzene	105	8.848	8.851	-0.003	92	157047	0.8122	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.934					9
95 1,1,2,2-Tetrachloroethane	83	9.109	9.111	-0.002	90	58975	1.10	
96 Bromobenzene	156	9.144	9.147	-0.003	91	51493	0.9648	
97 1,2,3-Trichloropropane	110	9.168	9.158	0.010	68	17756	1.03	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.170	-0.002	55	9282	1.28	
99 N-Propylbenzene	120	9.251	9.241	0.010	93	41800	0.8864	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	94	42323	0.8930	
101 1,3,5-Trimethylbenzene	105	9.416	9.419	-0.003	92	117482	0.8084	
102 4-Chlorotoluene	126	9.440	9.431	0.009	92	37822	0.7490	
103 tert-Butylbenzene	119	9.736	9.738	-0.002	85	91555	0.7672	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	92	112692	0.7498	
105 sec-Butylbenzene	105	9.949	9.951	-0.002	85	128376	0.8443	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	95	85030	0.8888	
107 4-Isopropyltoluene	119	10.091	10.093	-0.002	90	95758	0.7494	
108 1,4-Dichlorobenzene	146	10.150	10.152	-0.002	84	96991	0.9409	
109 1,2,3-Trimethylbenzene	105		10.200					9
110 n-Butylbenzene	91	10.493	10.496	-0.003	90	83013	0.8206	
111 1,2-Dichlorobenzene	146	10.517	10.519	-0.002	93	94784	0.9899	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.288	-0.002	25	7666	0.8505	
113 1,3,5-Trichlorobenzene	180	11.511	11.513	-0.002	83	46325	0.8682	
114 1,2,4-Trichlorobenzene	180	12.126	12.128	-0.002	75	35631	0.7327	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	81	19309	0.6084	
116 Naphthalene	128	12.375	12.377	-0.002	99	72030	0.4860	
117 1,2,3-Trichlorobenzene	180	12.623	12.625	-0.002	84	32262	0.6143	
118 2-Methylnaphthalene	142		13.679					
S 119 Trihalomethanes, Total	1				0		3.80	
S 120 1,2-Dichloroethene, Total	96				0		2.06	
S 121 1,3-Dichloropropene, Total	75				0		1.62	
S 122 Xylenes, Total	106				0		2.57	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

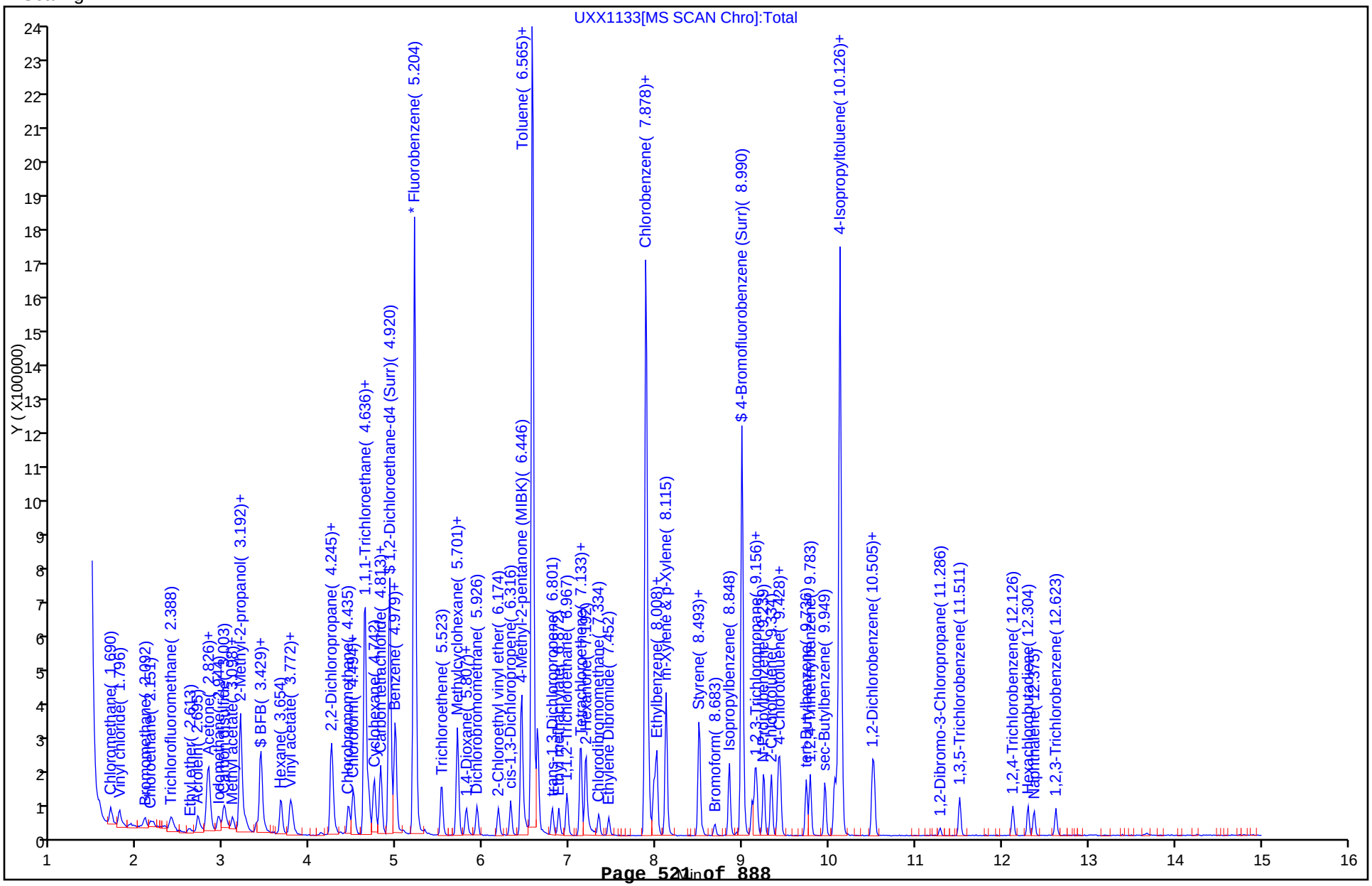
Report Date: 23-Nov-2012 08:56:55 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1133.D

Injection Date:	21-Nov-2012 12:30:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	7
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-65929/20

Matrix: Water | Lab File ID: UXX1146.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 17:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 65929 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00108		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00113		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.000935	J	0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00105		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00102		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00108		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00199	J	0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.000939	J	0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.00946	J	0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00929	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00890	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.00626	J ^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00103		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.000777	J	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00116		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00107		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00102		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.000958	J	0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.000869	J	0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00107		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.000769	J	0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.000849	J	0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.000841	J	0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.000910	J	0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00242	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.000707	J	0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00101		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00104		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00102		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.000992	J	0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.000968	J	0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.000871	J	0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.000933	J	0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00130		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00108		0.0010	0.00050	0.00029
1330-20-7	Xylenes, Total	0.00238		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-65929/20

Matrix: Water Lab File ID: UXX1146.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 17:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65929 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		50-150
2037-26-5	Toluene-d8 (Surr)	111		50-150
460-00-4	4-Bromofluorobenzene (Surr)	90		50-150
1868-53-7	Dibromofluoromethane (Surr)	105		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1146.D
Lims ID: MRL Client ID:
Inject. Date: 21-Nov-2012 17:29:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015165-020
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 65929 Lims Sample ID: 20
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX10\20121121-15165.b\8260_10.m
Last Update: 23-Nov-2012 08:56:27 Calib Date: 12-Nov-2012 19:16:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX10\20121112-14871.b\UXX0857.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK024

First Level Reviewer: quayler Date: 23-Nov-2012 08:32:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.206	5.206	0.0	99	1884843	10.0	
* 2 Chlorobenzene-d5	117	7.881	7.881	0.0	85	1170505	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.129	10.129	0.0	93	595355	10.0	
$ 4 BFB	95	3.431	3.746	-0.315	0	1221	0	
$ 5 Dibromofluoromethane (Surr)	113	4.627	4.626	0.0	58	541198	10.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.922	4.922	0.0	0	667545	11.0	
$ 7 Toluene-d8 (Surr)	98	6.567	6.567	0.0	94	2050266	11.1	
$ 8 4-Bromofluorobenzene (Surr)	95	8.993	8.993	0.0	90	551001	9.04	
10 C6-C12	1		0.000					
11 C6-C10	1		0.000					
143 1,3-Diethylbenzene TIC	1		0.000					
9 Benzyl chloride	126		0.000					
12 Dichlorodifluoromethane	85	1.562	1.562	0.0	76	55310	1.47	
13 Chloromethane	50	1.692	1.704	-0.012	86	77852	1.07	
14 Vinyl chloride	62	1.798	1.798	0.0	93	74711	1.30	
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94	2.094	2.094	0.0	82	31208	1.16	
17 Chloroethane	64	2.165	2.177	-0.012	62	29910	1.08	
18 Dichlorofluoromethane	67		2.331					
19 Trichlorofluoromethane	101	2.402	2.402	0.0	74	50333	1.21	
20 Ethyl ether	59		2.603					
21 Acrolein	56	2.710	2.710	0.0	84	64986	9.74	
23 1,1-Dichloroethene	96	2.816	2.804	0.012	85	46915	1.02	
24 Acetone	43	2.828	2.828	0.0	98	108986	6.26	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.828	2.840	-0.012	50	33318	0.9539	
22 Methylal	45		2.851					9
26 Iodomethane	142	2.946	2.934	0.012	97	81607	1.04	
27 Carbon disulfide	76	3.005	3.005	0.0	98	156416	1.07	
28 Acetonitrile	41	3.053	3.053	0.0	98	38509	3.77	
30 Methyl acetate	43	3.100	3.100	0.0	93	100869	2.29	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
29 3-Chloro-1-propene	76		3.100					9
31 Methylene Chloride	84	3.195	3.195	0.0	92	157537	2.42	
32 2-Methyl-2-propanol	59	3.266	3.266	0.0	93	63547	16.7	
33 Acrylonitrile	53	3.384	3.384	0.0	94	40246	1.82	
34 trans-1,2-Dichloroethene	96	3.431	3.431	0.0	66	58611	1.04	
35 Methyl tert-butyl ether	73	3.431	3.431	0.0	89	149434	0.9105	
36 Hexane	86	3.668	3.668	0.0	86	9541	1.06	
37 1,1-Dichloroethane	63	3.775	3.775	0.0	80	100808	1.05	
38 Vinyl acetate	86	3.798	3.798	0.0	90	7592	0.7596	
39 Isopropyl ether	87		3.822					9
40 2-Chloro-1,3-butadiene	53		3.846					
41 Tert-butyl ethyl ether	59		4.118					
42 2-Butanone (MEK)	43	4.236	4.236	0.0	98	234190	9.46	
43 cis-1,2-Dichloroethene	96	4.248	4.248	0.0	70	59894	0.9532	
44 2,2-Dichloropropane	77	4.260	4.260	0.0	78	46382	0.8409	
45 Propionitrile	54		4.283					
46 Ethyl acetate	43	4.236	4.283	-0.047	81	234190	4.77	
47 Methacrylonitrile	41		4.414					9
48 Chlorobromomethane	128	4.449	4.437	0.012	78	30239	0.99	
50 Chloroform	83	4.496	4.496	0.0	79	98505	1.02	
49 Tetrahydrofuran	42	4.496	4.496	0.0	26	17452	0.4266	
51 1,1,1-Trichloroethane	97	4.674	4.674	0.0	85	72002	1.08	
52 Cyclohexane	56	4.745	4.745	0.0	89	74905	0.99	
53 1,1-Dichloropropene	75	4.804	4.816	-0.012	91	65080	0.9542	
54 Carbon tetrachloride	117	4.828	4.828	0.0	84	54702	1.02	
55 Isobutyl alcohol	41	4.839	4.851	-0.012	55	32357	20.9	
56 1,2-Dichloroethane	62	4.981	4.981	0.0	41	75585	1.08	
57 Benzene	78	4.981	4.981	0.0	94	244892	1.03	
58 Tert-amyl methyl ether	73		5.064					9
59 n-Heptane	100		5.195					
60 n-Butanol	56		5.408					
61 Trichloroethene	130	5.514	5.526	-0.012	91	54537	0.9326	
62 Ethyl acrylate	55		5.605					9
63 Methylcyclohexane	83	5.703	5.703	0.0	83	58564	0.9432	
64 1,2-Dichloropropane	63	5.703	5.703	0.0	78	51673	0.9392	
65 Methyl methacrylate	41		5.774					9
66 Dibromomethane	93	5.798	5.798	0.0	80	30852	0.9682	
67 1,4-Dioxane	88	5.810	5.810	0.0	1	6932	22.1	
68 Dichlorobromomethane	83	5.928	5.928	0.0	92	56772	0.8685	
69 2-Nitropropane	41		6.118					9
70 2-Chloroethyl vinyl ether	63	6.177	6.177	0.0	79	37018	1.19	
71 cis-1,3-Dichloropropene	75	6.319	6.319	0.0	77	62065	0.7692	
72 4-Methyl-2-pentanone (MIBK)	43	6.449	6.437	0.012	97	425710	8.90	
73 Toluene	91	6.626	6.626	0.0	94	229680	1.04	
74 trans-1,3-Dichloropropene	75	6.804	6.804	0.0	86	54490	0.8714	
75 Ethyl methacrylate	69	6.875	6.875	0.0	83	42079	0.7324	
76 1,1,2-Trichloroethane	97	6.969	6.969	0.0	88	41800	0.9346	
77 1,3-Dichloropropane	76	7.123	7.123	0.0	86	79938	1.01	
78 Tetrachloroethene	164	7.135	7.135	0.0	87	40377	1.01	
79 2-Hexanone	43	7.182	7.182	0.0	95	250953	9.29	
80 n-Butyl acetate	56		7.301					
81 Chlorodibromomethane	129	7.336	7.336	0.0	74	36842	0.8490	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
82 Tetrahydrothiophene	60		7.346					
83 Ethylene Dibromide	107	7.455	7.455	0.0	82	41985	0.9683	
84 1-Chlorohexane	91		7.779					
85 Chlorobenzene	112	7.904	7.904	0.0	92	133836	0.9584	
86 1,1,1,2-Tetrachloroethane	131	7.975	7.975	0.0	76	45940	0.9481	
87 Ethylbenzene	106	8.011	8.011	0.0	96	58711	0.8410	
88 m-Xylene & p-Xylene	106	8.117	8.117	0.0	98	138164	1.56	
89 o-Xylene	106	8.496	8.496	0.0	89	70862	0.8160	
90 Styrene	104	8.508	8.508	0.0	87	98530	0.7070	
91 Bromoform	173	8.673	8.685	-0.012	82	20423	0.7775	
92 Isopropylbenzene	105	8.851	8.851	0.0	92	148054	0.7588	
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55	8.922	8.934	-0.012	66	27984	4.25	
95 1,1,2,2-Tetrachloroethane	83	9.111	9.111	0.0	91	62524	1.13	
96 Bromobenzene	156	9.147	9.147	0.0	90	48207	0.8698	
97 1,2,3-Trichloropropane	110	9.158	9.158	0.0	68	18224	1.02	
98 trans-1,4-Dichloro-2-butene	53	9.158	9.170	-0.012	54	9567	1.27	
99 N-Propylbenzene	120	9.241	9.241	0.0	96	41804	0.8536	
100 2-Chlorotoluene	126	9.336	9.336	0.0	96	44746	0.9092	
101 1,3,5-Trimethylbenzene	105	9.419	9.419	0.0	90	121548	0.8054	
102 4-Chlorotoluene	126	9.431	9.431	0.0	94	40838	0.7787	
103 tert-Butylbenzene	119	9.738	9.738	0.0	88	102630	0.8282	
104 1,2,4-Trimethylbenzene	105	9.786	9.786	0.0	76	113113	0.7248	
105 sec-Butylbenzene	105	9.951	9.951	0.0	88	130304	0.8253	
106 1,3-Dichlorobenzene	146	10.058	10.070	-0.012	76	102940	1.04	
107 4-Isopropyltoluene	119	10.093	10.093	0.0	91	102271	0.7707	
108 1,4-Dichlorobenzene	146	10.152	10.152	0.0	89	118318	1.11	
109 1,2,3-Trimethylbenzene	105		10.200					9
110 n-Butylbenzene	91	10.496	10.496	0.0	94	104437	0.99	
111 1,2-Dichlorobenzene	146	10.519	10.519	0.0	95	105929	1.07	
112 1,2-Dibromo-3-Chloropropane	157	11.288	11.288	0.0	41	11718	1.25	
113 1,3,5-Trichlorobenzene	180	11.513	11.513	0.0	89	43613	0.7871	
114 1,2,4-Trichlorobenzene	180	12.129	12.128	0.0	88	69962	1.39	
115 Hexachlorobutadiene	225	12.306	12.306	0.0	88	39268	1.53	
116 Naphthalene	128	12.377	12.377	0.0	100	194542	1.26	
117 1,2,3-Trichlorobenzene	180	12.625	12.625	0.0	96	85801	1.57	
118 2-Methylnaphthalene	142		13.679					
S 119 Trihalomethanes, Total	1				0		3.51	
S 120 1,2-Dichloroethene, Total	96				0		1.99	
S 121 1,3-Dichloropropene, Total	75				0		1.64	
S 122 Xylenes, Total	106				0		2.38	
T 123 Butyl Methacrylate TIC	1		9.400					1
T 124 Hexachloroethane TIC	1		10.700					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

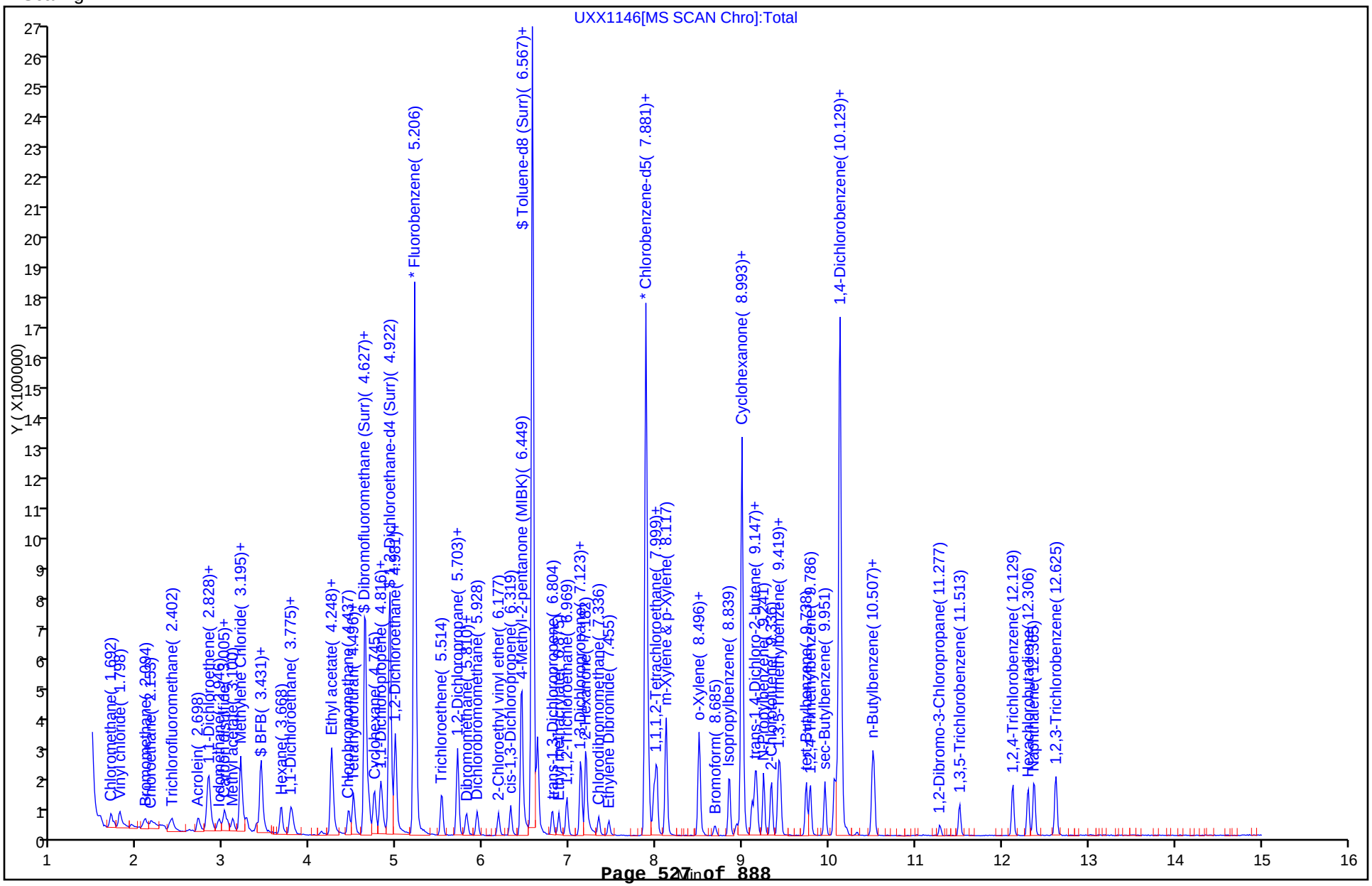
Report Date: 23-Nov-2012 08:57:02 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1146.D

Injection Date:	21-Nov-2012 17:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	20
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66419/5

Matrix: Solid Lab File ID: 149470.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/27/2012 12:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66419 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00473		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00477		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00530		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00490		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00531		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00517		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.0100		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00523		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0112		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.0117		0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0104		0.010	0.00050	0.00032
67-64-1	Acetone	0.0302	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00509		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00655	^	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00582		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00589		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00585		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00517		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00600		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00553		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00617		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00621		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00501		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00500		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00625		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00494		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00527		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00578		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00498		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00485		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00514		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00619		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00522		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00565		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00545		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0155		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66419/5

Matrix: Solid Lab File ID: 149470.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/27/2012 12:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66419 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-150
2037-26-5	Toluene-d8 (Surr)	90		50-150
460-00-4	4-Bromofluorobenzene (Surr)	91		50-150
1868-53-7	Dibromofluoromethane (Surr)	87		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149470.D
Lims ID: QCMRL Client ID:
Inject. Date: 27-Nov-2012 12:20:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0015301-005 =240-0015301-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 66419 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: macenczaks Date: 27-Nov-2012 12:44:24

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2149708	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	97	1339069	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	98	660093	50.0	
$ 4 BFB	95	4.329	4.537	-0.208	0	2670	0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	76	462089	43.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.553	-0.012	92	619648	46.9	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1888854	45.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	600434	45.7	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.442	1.441	0.001	85	67902	5.71	
13 Chloromethane	50	1.607	1.607	0.0	89	117860	5.53	
14 Vinyl chloride	62	1.725	1.737	-0.012	84	90350	5.65	
15 Bromomethane	94	2.069	2.069	0.0	91	26509	5.82	
16 Chloroethane	64	2.187	2.187	0.0	90	43295	5.45	
17 Dichlorofluoromethane	67		2.447					9
18 Trichlorofluoromethane	101	2.506	2.506	0.0	83	56230	4.37	
19 Ethyl ether	59	2.873	2.873	0.0	76	8034	0.7579	
25 Methylal	45		2.932					
20 Acrolein	56	3.027	3.039	-0.012	96	105593	66.4	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	83	51744	5.31	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.193	-0.012	79	48931	5.39	
22 Acetone	43	3.252	3.264	-0.012	98	113773	30.2	
24 Iodomethane	142	3.347	3.347	0.0	100	87534	5.25	
26 Carbon disulfide	76	3.418	3.429	-0.011	98	80341	5.89	
27 Acetonitrile	41	3.666	3.666	0.0	99	64663	54.2	
29 3-Chloro-1-propene	76		3.690					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
28 Methyl acetate	43	3.761	3.761	0.0	97	102592	10.1	
30 Methylene Chloride	84	3.891	3.891	0.0	87	103999	6.25	
31 2-Methyl-2-propanol	59	4.187	4.199	-0.012	88	73932	110.5	
32 Acrylonitrile	53	4.305	4.305	0.0	97	48873	10.6	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	89	58115	5.06	
34 Methyl tert-butyl ether	73	4.352	4.352	0.0	86	124631	5.00	
35 Hexane	86	4.743	4.743	0.0	95	19340	6.24	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	123717	4.90	
37 Vinyl acetate	86	5.039	5.039	0.0	96	6195	4.79	
39 2-Chloro-1,3-butadiene	53		5.039					9
38 Isopropyl ether	87		5.074					9
40 Tert-butyl ethyl ether	59		5.524					9
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.642	5.642	0.0	58	40989	4.75	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	61546	4.98	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	87	59113	11.2	
44 Propionitrile	54		5.761					
45 Ethyl acetate	43		5.796					9
47 Chlorobromomethane	128	5.926	5.926	0.0	85	27461	4.85	
46 Methacrylonitrile	41		5.926					
48 Tetrahydrofuran	42	5.985	5.985	0.0	90	17427	5.08	
49 Chloroform	83	6.033	6.033	0.0	84	97862	4.98	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	37	69927	4.73	
51 Cyclohexane	56	6.257	6.257	0.0	91	163918	5.10	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	85	83341	5.26	
53 Carbon tetrachloride	117	6.388	6.388	0.0	58	57690	5.85	
54 Isobutyl alcohol	41		6.589					
55 Benzene	78	6.601	6.601	0.0	96	225800	5.09	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	82	94387	5.17	
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.897					
59 n-Butanol	56		7.228					
60 Trichloroethene	130	7.240	7.240	0.0	90	65899	5.22	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	95	113738	5.12	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	90	68279	5.23	
65 Dibromomethane	93	7.559	7.559	0.0	86	26799	5.18	
64 Methyl methacrylate	41		7.571					9
66 1,4-Dioxane	88	7.583	7.583	0.0	89	18039	272.3	
67 Dichlorobromomethane	83	7.713	7.713	0.0	89	43669	6.00	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.985	7.997	-0.012	88	48216	9.77	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	81	52531	6.17	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	103807	10.4	
72 Toluene	91	8.411	8.411	0.0	97	267480	5.78	
73 trans-1,3-Dichloropropene	75	8.600	8.600	0.0	89	40990	6.19	
74 Ethyl methacrylate	69	8.683	8.683	0.0	90	39998	4.52	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	89	36891	5.30	
77 Tetrachloroethene	164	8.884	8.884	0.0	91	54091	5.27	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	87	61319	4.92	
78 2-Hexanone	43	8.979	8.979	0.0	96	69254	11.7	
132 n-Butyl acetate	43		9.086					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorodibromomethane	129	9.109	9.109	0.0	87	24563	6.21	
123 Ethylene Dibromide	107	9.204	9.204	0.0	94	35233	5.14	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.618	9.618	0.0	92	153728	5.17	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	84	38268	3.95	
84 Ethylbenzene	106	9.713	9.713	0.0	98	78240	5.01	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	196934	10.3	
85 o-Xylene	106	10.151	10.150	0.001	95	95830	5.20	
86 Styrene	104	10.151	10.162	-0.011	88	130208	4.94	
87 Bromoform	173	10.316	10.316	0.0	90	11591	6.55	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	245676	5.16	
89 Cyclohexanone	55		10.541					
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	78	35320	4.77	
91 Bromobenzene	156	10.719	10.718	0.0	91	58763	5.08	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	77	12742	5.19	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.742	0.0	52	13690	4.67	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	70109	5.33	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	62240	5.19	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	96	198052	5.09	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	61940	5.32	
97 tert-Butylbenzene	119	11.227	11.227	0.0	82	189943	5.10	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	96	193883	5.04	
99 sec-Butylbenzene	105	11.405	11.405	0.0	96	253353	5.16	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	116473	5.13	
101 4-Isopropyltoluene	119	11.523	11.523	0.0	86	224146	5.18	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	87	122732	5.31	
103 1,2,3-Trimethylbenzene	105		11.618					
105 n-Butylbenzene	91	11.878	11.878	0.0	94	192008	5.38	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	95	110363	5.19	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	56	4981	5.97	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	91968	5.52	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	78038	5.37	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	92	40387	5.68	
111 Naphthalene	128	13.440	13.440	0.0	97	138008	5.00	
112 1,2,3-Trichlorobenzene	180	13.629	13.629	0.0	94	68442	5.98	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	77	7624	0.4867	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	19677892	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	23534650	0	
S 137 Trihalomethanes, Total	1				0		23.7	
S 11 1,2-Dichloroethene, Total	96				0		10.0	
S 9 1,3-Dichloropropene, Total	75				0		12.4	
S 114 Xylenes, Total	106				0		15.5	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

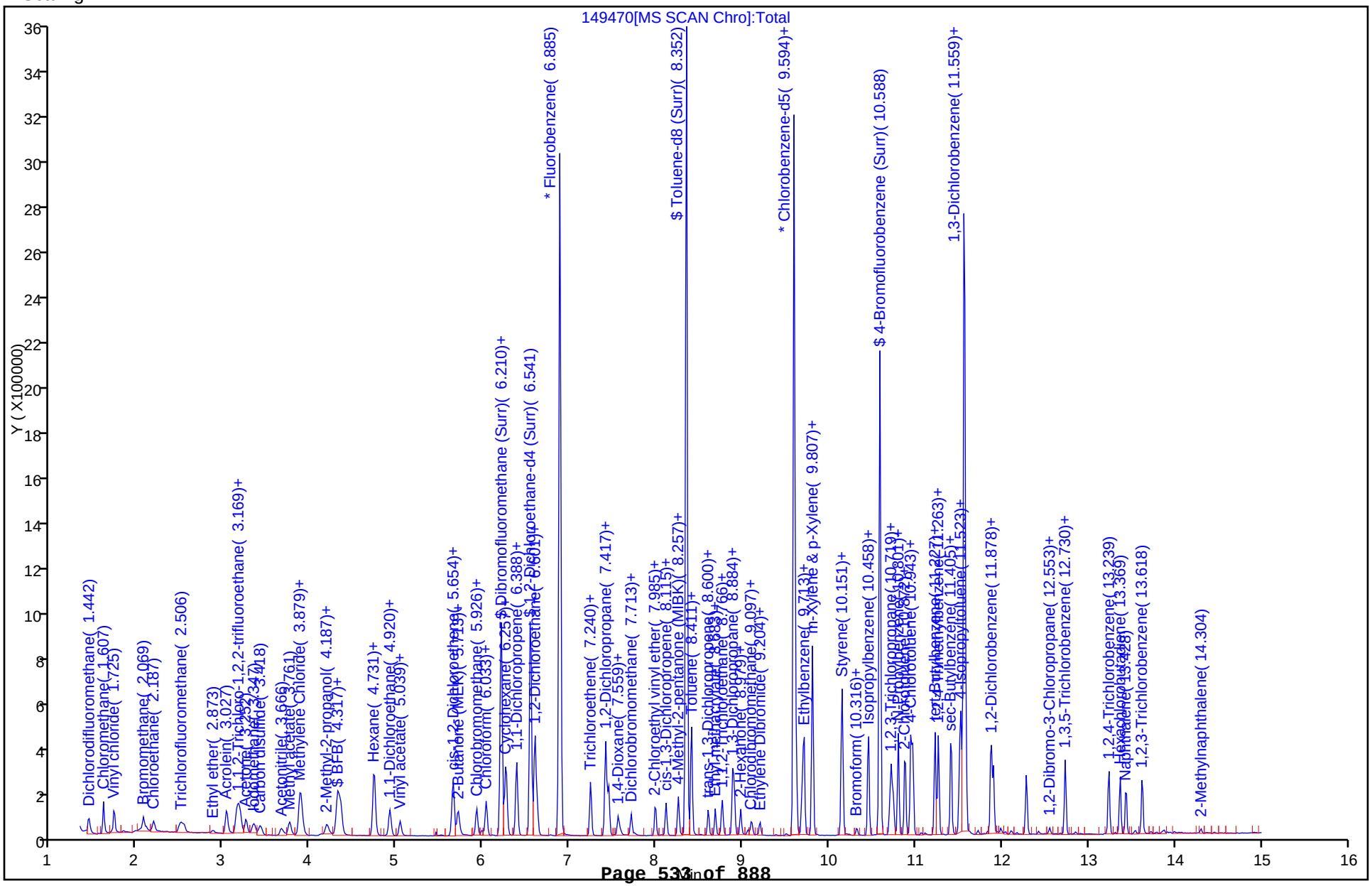
Report Date: 28-Nov-2012 10:32:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149470.D

Injection Date:	27-Nov-2012 12:20:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	5
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66419/22

Matrix: Solid | Lab File ID: 149488.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/27/2012 18:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 66419 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00467		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00463		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00477		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00500		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00520		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00519		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00996		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00510		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0107		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00940	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00947	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.0289	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00506		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00644		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00504		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00571		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00559		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00504		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00584		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00490		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00597		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00616		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00494		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00486		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00514		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00458		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00499		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00516		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00492		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00501		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00452		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00587		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00501		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00508		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00435		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0151		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66419/22

Matrix: Solid Lab File ID: 149488.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/27/2012 18:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66419 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-150
2037-26-5	Toluene-d8 (Surr)	89		50-150
460-00-4	4-Bromofluorobenzene (Surr)	87		50-150
1868-53-7	Dibromofluoromethane (Surr)	85		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121127-15301.b\149488.D
Lims ID: QCMRL Client ID:
Inject. Date: 27-Nov-2012 18:48:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0015301-022 =240-0015301-022
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 66419 Lims Sample ID: 22
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121127-15301.b\8260_14.m
Last Update: 28-Nov-2012 10:32:13 Calib Date: 23-Nov-2012 13:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\NCChrom\ChromData\A3UX14\20121123-15202.b\149377.D
Limit Group: MSV 8260DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.18 mm
Process Host: XAWRK021

First Level Reviewer: macenczaks Date: 28-Nov-2012 10:04:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.885	6.885	0.0	99	2202967	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	90	1318865	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.570	0.001	98	647788	50.0	
$ 4 BFB	95	4.317	4.537	-0.220	0	3131	0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	85	466476	42.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.553	-0.011	92	613618	45.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1834781	44.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	89	561012	43.4	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
133 Benzyl chloride	126		0.000					
138 Butyl Methacrylate TIC	1		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.430	1.441	-0.011	82	62498	5.13	
13 Chloromethane	50	1.607	1.607	0.0	89	107156	4.90	
14 Vinyl chloride	62	1.726	1.737	-0.011	84	83256	5.08	
15 Bromomethane	94	2.069	2.069	0.0	92	23512	5.04	
16 Chloroethane	64	2.187	2.187	0.0	94	35401	4.35	
17 Dichlorofluoromethane	67		2.447					
18 Trichlorofluoromethane	101	2.495	2.506	-0.011	81	50553	3.84	
19 Ethyl ether	59	2.873	2.873	0.0	78	3007	0.2768	
25 Methylal	45		2.932					9
20 Acrolein	56	3.039	3.039	0.0	96	90587	55.6	
21 1,1-Dichloroethene	96	3.157	3.157	0.0	83	51872	5.20	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.193	-0.012	83	47071	5.06	
22 Acetone	43	3.264	3.264	0.0	98	112513	28.9	
24 Iodomethane	142	3.347	3.347	0.0	98	86792	5.08	
26 Carbon disulfide	76	3.418	3.429	-0.011	99	77489	5.71	
27 Acetonitrile	41	3.666	3.666	0.0	98	73325	60.0	
29 3-Chloro-1-propene	76		3.690					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
28 Methyl acetate	43	3.761	3.761	0.0	97	110896	10.6	
30 Methylene Chloride	84	3.891	3.891	0.0	87	94867	5.14	
31 2-Methyl-2-propanol	59	4.199	4.199	0.0	87	74045	108.0	
32 Acrylonitrile	53	4.305	4.305	0.0	89	48575	10.3	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	87	58821	5.00	
34 Methyl tert-butyl ether	73	4.353	4.352	0.0	85	124141	4.86	
35 Hexane	86	4.743	4.743	0.0	95	18058	5.69	
36 1,1-Dichloroethane	63	4.920	4.920	0.0	85	129595	5.00	
37 Vinyl acetate	86	5.039	5.039	0.0	96	5128	3.87	
39 2-Chloro-1,3-butadiene	53		5.039					
38 Isopropyl ether	87		5.074					
40 Tert-butyl ethyl ether	59		5.524					9
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.642	5.642	0.0	59	38199	4.32	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	62781	4.96	
41 2-Butanone (MEK)	43	5.701	5.701	0.0	96	57895	10.7	
44 Propionitrile	54		5.761					
45 Ethyl acetate	43		5.796					
47 Chlorobromomethane	128	5.926	5.926	0.0	89	29067	5.01	
46 Methacrylonitrile	41		5.926					9
48 Tetrahydrofuran	42	5.985	5.985	0.0	87	17886	5.09	
49 Chloroform	83	6.033	6.033	0.0	84	99081	4.92	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	37	70804	4.67	
51 Cyclohexane	56	6.258	6.257	0.001	91	165282	5.02	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	82356	5.08	
53 Carbon tetrachloride	117	6.388	6.388	0.0	60	54932	5.59	
54 Isobutyl alcohol	41		6.589					
55 Benzene	78	6.601	6.601	0.0	95	230154	5.06	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	86	97230	5.19	
57 Tert-amyl methyl ether	73		6.743					9
58 n-Heptane	100		6.897					
59 n-Butanol	56		7.228					
60 Trichloroethene	130	7.240	7.240	0.0	90	64807	5.01	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	96	112289	4.94	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	89	68270	5.10	
65 Dibromomethane	93	7.559	7.559	0.0	82	24701	4.66	
64 Methyl methacrylate	41		7.571					
66 1,4-Dioxane	88	7.583	7.583	0.0	83	16926	249.3	
67 Dichlorobromomethane	83	7.713	7.713	0.0	89	42531	5.84	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.997	7.997	0.0	90	41661	8.24	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	79	50516	5.97	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	93166	9.47	
72 Toluene	91	8.411	8.411	0.0	97	235261	5.16	
73 trans-1,3-Dichloropropene	75	8.601	8.600	0.001	87	36378	5.87	
74 Ethyl methacrylate	69	8.683	8.683	0.0	89	35069	4.02	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	88	32709	4.77	
77 Tetrachloroethene	164	8.885	8.884	0.0	90	50445	4.99	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	60729	4.94	
78 2-Hexanone	43	8.979	8.979	0.0	97	54586	9.40	
132 n-Butyl acetate	43		9.086					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorodibromomethane	129	9.098	9.109	-0.011	87	23771	6.16	
123 Ethylene Dibromide	107	9.204	9.204	0.0	96	30566	4.52	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.618	9.618	0.0	90	147632	5.04	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	80	36511	3.83	
84 Ethylbenzene	106	9.713	9.713	0.0	98	76030	4.94	
10 m-Xylene & p-Xylene	106	9.807	9.807	0.0	98	187999	10.0	
85 o-Xylene	106	10.151	10.150	0.001	93	92561	5.10	
86 Styrene	104	10.162	10.162	0.0	94	118970	4.58	
87 Bromoform	173	10.316	10.316	0.0	95	11029	6.44	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	234996	5.01	
89 Cyclohexanone	55		10.541					
90 1,1,2,2-Tetrachloroethane	83	10.695	10.707	-0.012	80	33649	4.63	
91 Bromobenzene	156	10.719	10.718	0.001	90	57683	5.09	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	75	11752	4.88	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.742	0.0	42	12858	4.47	
94 N-Propylbenzene	120	10.801	10.801	0.0	97	66902	5.18	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	58995	5.01	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	95	190125	4.98	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	56588	4.95	
97 tert-Butylbenzene	119	11.227	11.227	0.0	89	181787	4.98	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	184399	4.89	
99 sec-Butylbenzene	105	11.405	11.405	0.0	95	242558	5.04	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	96	108770	4.88	
101 4-Isopropyltoluene	119	11.523	11.523	0.0	85	203927	4.80	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	79	113650	5.01	
103 1,2,3-Trimethylbenzene	105		11.618					
105 n-Butylbenzene	91	11.878	11.878	0.0	94	168763	4.82	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	103081	4.94	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	54	4025	5.18	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	96	83093	5.08	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	91	71619	5.02	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	37825	5.42	
111 Naphthalene	128	13.440	13.440	0.0	97	120759	4.46	
112 1,2,3-Trichlorobenzene	180	13.618	13.629	-0.011	93	58882	5.24	
113 2-Methylnaphthalene	142	14.292	14.304	-0.012	37	2322	0.1510	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	19118782	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	22807432	0	
S 137 Trihalomethanes, Total	1				0		23.4	
S 11 1,2-Dichloroethene, Total	96				0		9.96	
S 9 1,3-Dichloropropene, Total	75				0		11.8	
S 114 Xylenes, Total	106				0		15.1	

QC Flag Legend

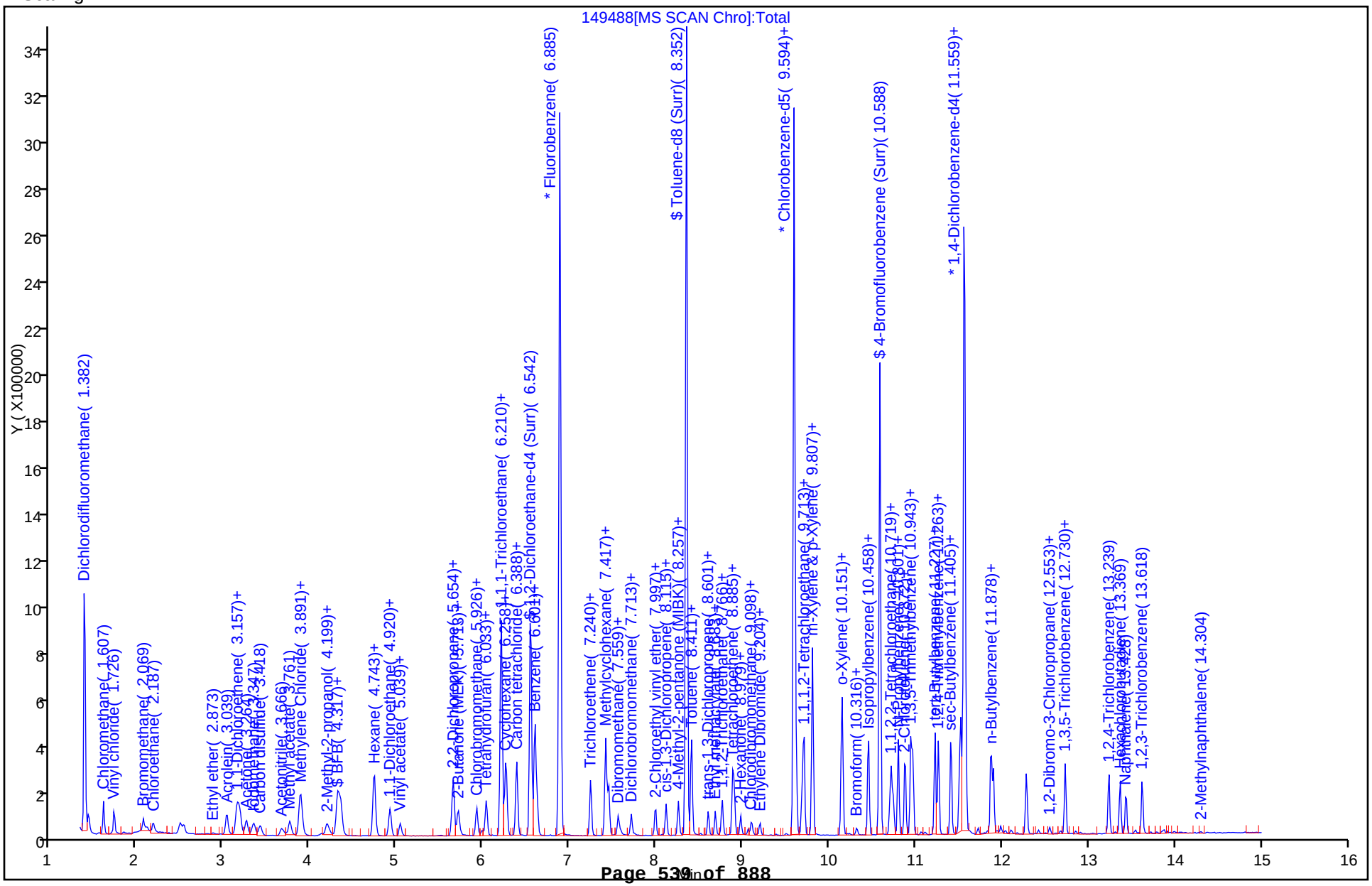
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 28-Nov-2012 10:32:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121127-15301.b\149488.D		
Injection Date:	27-Nov-2012 18:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66419	Lims Sample ID:	22
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A3UX10 Start Date: 11/12/2012 13:44

Analysis Batch Number: 64678 End Date: 11/12/2012 19:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-64678/1		11/12/2012 13:44	1	BFB5043.D	DB-624 0.18(mm)
STD8260 240-64678/2 IC		11/12/2012 15:10	1	UXX0846.D	DB-624 0.18(mm)
STD8260 240-64678/3 IC		11/12/2012 15:33	1	UXX0847.D	DB-624 0.18(mm)
STD8260 240-64678/4 ICIS		11/12/2012 15:55	1	UXX0848.D	DB-624 0.18(mm)
STD8260 240-64678/5 IC		11/12/2012 16:17	1	UXX0849.D	DB-624 0.18(mm)
STD8260 240-64678/6 IC		11/12/2012 16:40	1	UXX0850.D	DB-624 0.18(mm)
STD8260 240-64678/7 IC		11/12/2012 17:02	1	UXX0851.D	DB-624 0.18(mm)
STDA9 240-64678/8 IC		11/12/2012 17:24	1	UXX0852.D	DB-624 0.18(mm)
STDA9 240-64678/9 IC		11/12/2012 17:46	1	UXX0853.D	DB-624 0.18(mm)
STDA9 240-64678/10 IC		11/12/2012 18:09	1	UXX0854.D	DB-624 0.18(mm)
STDA9 240-64678/11 IC		11/12/2012 18:31	1	UXX0855.D	DB-624 0.18(mm)
STDA9 240-64678/12 IC		11/12/2012 18:53	1	UXX0856.D	DB-624 0.18(mm)
STDA9 240-64678/13 IC		11/12/2012 19:16	1	UXX0857.D	DB-624 0.18(mm)
ICV 240-64678/14		11/12/2012 19:38	1	UXX0858.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A3UX10 Start Date: 11/21/2012 10:04

Analysis Batch Number: 65929 End Date: 11/21/2012 17:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-65929/1		11/21/2012 10:04	1	BFB5061.D	DB-624 0.18(mm)
CCV 240-65929/2		11/21/2012 10:30	1	UXX1128.D	DB-624 0.18(mm)
LCS 240-65929/4		11/21/2012 11:14	1	UXX1130.D	DB-624 0.18(mm)
MB 240-65929/6		11/21/2012 11:58	1	UXX1132.D	DB-624 0.18(mm)
MRL 240-65929/7		11/21/2012 12:30	1	UXX1133.D	DB-624 0.18(mm)
ZZZZZ		11/21/2012 12:54	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 13:25	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 13:47	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 14:09	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 14:31	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 14:54	1		DB-624 0.18(mm)
240-17810-8	076SB-0075-0001-TB	11/21/2012 15:18	1	UXX1140.D	DB-624 0.18(mm)
ZZZZZ		11/21/2012 15:40	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 16:02	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 16:24	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 16:46	1		DB-624 0.18(mm)
ZZZZZ		11/21/2012 17:08	1		DB-624 0.18(mm)
MRL 240-65929/20		11/21/2012 17:29	1	UXX1146.D	DB-624 0.18(mm)
LODV 240-65929/21		11/21/2012 17:51	1	UXX1147.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A3UX14 Start Date: 11/23/2012 09:29

Analysis Batch Number: 66063 End Date: 11/23/2012 21:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-66063/19		11/23/2012 09:29	1	BFB14288.D	DB-624 0.18(mm)
IC 240-66063/3		11/23/2012 10:11	1	149369.D	DB-624 0.18(mm)
IC 240-66063/4		11/23/2012 10:33	1	149370.D	DB-624 0.18(mm)
IC 240-66063/5		11/23/2012 10:54	1	149371.D	DB-624 0.18(mm)
ICIS 240-66063/6		11/23/2012 11:16	1	149372.D	DB-624 0.18(mm)
IC 240-66063/7		11/23/2012 11:37	1	149373.D	DB-624 0.18(mm)
IC 240-66063/8		11/23/2012 11:59	1	149374.D	DB-624 0.18(mm)
IC 240-66063/9		11/23/2012 12:20	1	149375.D	DB-624 0.18(mm)
IC 240-66063/10		11/23/2012 12:42	1	149376.D	DB-624 0.18(mm)
IC 240-66063/11		11/23/2012 13:03	1	149377.D	DB-624 0.18(mm)
CCV 240-66063/12		11/23/2012 13:25	1		DB-624 0.18(mm)
ICV 240-66063/13		11/23/2012 13:46	1	149379.D	DB-624 0.18(mm)
ZZZZZ		11/23/2012 14:08	1		DB-624 0.18(mm)
MDLV 240-66063/15		11/23/2012 14:30	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 14:51	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 15:13	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 15:34	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 15:56	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 16:17	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 16:39	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 17:22	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 18:05	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 18:48	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 19:31	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 19:53	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 20:14	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 20:36	1		DB-624 0.18(mm)
ZZZZZ		11/23/2012 21:08	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A3UX14 Start Date: 11/27/2012 10:32

Analysis Batch Number: 66419 End Date: 11/27/2012 18:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-66419/1		11/27/2012 10:32	1	BFB14291.D	DB-624 0.18(mm)
CCV 240-66419/4		11/27/2012 11:36	1	149468.D	DB-624 0.18(mm)
CCV 240-66419/10		11/27/2012 11:58	1	149469.D	DB-624 0.18(mm)
MRL 240-66419/5		11/27/2012 12:20	1	149470.D	DB-624 0.18(mm)
LCS 240-66419/7		11/27/2012 13:03	1	149472.D	DB-624 0.18(mm)
MB 240-66419/12		11/27/2012 14:29	1	149476.D	DB-624 0.18(mm)
240-17810-1	076SB-0068M-0001-SO	11/27/2012 14:51	1	149477.D	DB-624 0.18(mm)
240-17810-2	076SB-0069M-0001-SO	11/27/2012 15:12	1	149478.D	DB-624 0.18(mm)
240-17810-3	076SB-0070M-0001-SO	11/27/2012 15:34	1	149479.D	DB-624 0.18(mm)
240-17810-4	076SB-0071M-0001-SO	11/27/2012 15:55	1	149480.D	DB-624 0.18(mm)
240-17810-6	076SB-0073M-0001-SO	11/27/2012 16:38	1	149482.D	DB-624 0.18(mm)
240-17810-7	076SB-0074M-0001-SO	11/27/2012 17:00	1	149483.D	DB-624 0.18(mm)
240-17810-5	076SB-0072M-0001-SO	11/27/2012 18:05	1	149486.D	DB-624 0.18(mm)
MRL 240-66419/22		11/27/2012 18:48	1	149488.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 66118 Batch Start Date: 11/23/12 14:32 Batch Analyst: Mancine, Louis

Batch Method: 5035 Batch End Date: 11/23/12 16:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	AnalysisComment	
240-17810-B-1	076SB-0068M-0001 -SO	5035, 8260B/DoD	T	+029.952 g	36.20 g	6.248 g	5 mL	Preserved on 11/17/2012 @12:30	
240-17810-B-2	076SB-0069M-0001 -SO	5035, 8260B/DoD	T	+030.427 g	36.39 g	5.963 g	5 mL	Preserved on 11/17/2012 @12:30	
240-17810-B-3	076SB-0070M-0001 -SO	5035, 8260B/DoD	T	+030.716 g	36.43 g	5.714 g	5 mL	Preserved on 11/17/2012 @12:30	
240-17810-B-4	076SB-0071M-0001 -SO	5035, 8260B/DoD	T	+030.492 g	41.52 g	11.028 g	5 mL	Preserved on 11/17/2012 @12:30	
240-17810-C-5	076SB-0072M-0001 -SO	5035, 8260B/DoD	T	+029.973 g	36.38 g	6.407 g	5 mL	Preserved on 11/17/2012 @12:30	
240-17810-B-6	076SB-0073M-0001 -SO	5035, 8260B/DoD	T	+029.948 g	34.66 g	4.712 g	5 mL	Preserved on 11/17/2012 @12:30	
240-17810-B-7	076SB-0074M-0001 -SO	5035, 8260B/DoD	T	+030.598 g	35.96 g	5.362 g	5 mL	Preserved on 11/17/2012 @12:30	

Batch Notes	

Basis	Basis Description
T	Total/NA

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
076SB-0068M-0001-SO	240-17810-1	67	65	58	67	55	79
076SB-0069M-0001-SO	240-17810-2	67	73	66	64	69	74
076SB-0070M-0001-SO	240-17810-3	67	67	64	65	58	71
076SB-0071M-0001-SO	240-17810-4	64	71	66	65	71	73
076SB-0072M-0001-SO	240-17810-5	59	62	58	58	60	68
076SB-0073M-0001-SO	240-17810-6	64	67	65	63	56	71
076SB-0074M-0001-SO	240-17810-7	77	75	70	70	64	76
	MB 240-66569/21-A	76	75	75	74	71	89
	LCS 240-66569/22-A	69	70	68	67	83	82
076SB-0074M-0001-SO MS	240-17810-7 MS	55	58	52	59	58	68
076SB-0074M-0001-SO MSD	240-17810-7 MSD	67	68	62	67	65	72

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

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
	MRL 240-67544/3	98	100	103 Q	103	111	100
	MRL 240-67544/25	97	98	108 Q	105	113	109

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

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21206005.D

Lab ID: LCS 240-66569/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	482	72	45-110	
Acenaphthylene	667	484	73	45-105	
Anthracene	667	534	80	55-105	
Benzo[a]anthracene	667	559	84	50-110	
Benzo[a]pyrene	667	508	76	50-110	
Benzo[b]fluoranthene	667	598	90	45-115	
Benzo[g,h,i]perylene	667	644	97	40-125	
Benzoic acid	667	330 U	45	0-110	
Benzo[k]fluoranthene	667	587	88	45-125	
Benzyl alcohol	667	455	68	20-125	
Bis(2-chloroethoxy)methane	667	460	69	45-110	
Bis(2-chloroethyl)ether	667	453	68	40-105	
bis (2-chloroisopropyl) ether	667	437	66	20-115	
Bis(2-ethylhexyl) phthalate	667	557	83	45-125	
4-Bromophenyl phenyl ether	667	555	83	45-115	
Butyl benzyl phthalate	667	536	80	50-125	
Carbazole	667	548	82	45-115	
4-Chloroaniline	667	342	51	10-110	
4-Chloro-3-methylphenol	667	515	77	45-115	
2-Chloronaphthalene	667	468	70	45-105	
2-Chlorophenol	667	463	69	45-105	
4-Chlorophenyl phenyl ether	667	518	78	45-110	
Chrysene	667	574	86	55-110	
Dibenz(a,h)anthracene	667	573	86	40-125	
Dibenzofuran	667	488	73	50-105	
1,2-Dichlorobenzene	667	450	68	45-110	
1,3-Dichlorobenzene	667	428	64	40-100	
1,4-Dichlorobenzene	667	446	67	35-105	
3,3'-Dichlorobenzidine	667	329	49	10-130	
2,4-Dichlorophenol	667	491	74	45-110	
Diethyl phthalate	667	575	86	50-115	
2,4-Dimethylphenol	667	394	59	30-105	
Dimethyl phthalate	667	552	83	50-110	
Di-n-butyl phthalate	667	588	88	55-110	
4,6-Dinitro-2-methylphenol	667	490	73	30-135	
2,4-Dinitrophenol	667	410	62	15-130	
2,4-Dinitrotoluene	667	592	89	50-115	
2,6-Dinitrotoluene	667	570	85	50-110	
Di-n-octyl phthalate	667	530	80	40-130	
Fluoranthene	667	571	86	55-115	
Fluorene	667	508	76	50-110	
Hexachlorobenzene	667	536	80	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21206005.D

Lab ID: LCS 240-66569/22-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	466	70	40-115	
Hexachloroethane	667	441	66	35-110	
Indeno[1,2,3-cd]pyrene	667	577	86	40-120	
Isophorone	667	492	74	45-110	
2-Methylnaphthalene	667	472	71	45-105	
2-Methylphenol	667	452	68	40-105	
3 & 4 Methylphenol	1330	917	69	40-105	
Naphthalene	667	475	71	40-105	
2-Nitroaniline	667	536	80	45-120	
3-Nitroaniline	667	516	77	25-110	
4-Nitroaniline	667	533	80	35-115	
Nitrobenzene	667	479	72	40-115	
2-Nitrophenol	667	481	72	40-110	
4-Nitrophenol	667	599	90	15-140	
N-Nitrosodi-n-propylamine	667	465	70	40-115	
N-Nitrosodiphenylamine	667	545	82	50-115	
Pentachlorophenol	667	436	65	25-120	
Phenanthrene	667	527	79	50-110	
Phenol	667	480	72	40-100	
Pyrene	667	527	79	45-125	
1,2,4-Trichlorobenzene	667	454	68	45-110	
2,4,5-Trichlorophenol	667	521	78	50-110	
2,4,6-Trichlorophenol	667	487	73	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21206003.D

Lab ID: MRL 240-67544/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.01	100	70-130	
Acenaphthylene	5.00	5.07	101	70-130	
Anthracene	5.00	5.03	101	70-130	
Benzo[a]anthracene	5.00	5.06	101	70-130	
Benzo[a]pyrene	5.00	5.09	102	70-130	
Benzo[b]fluoranthene	5.00	5.21	104	70-130	
Benzo[g,h,i]perylene	5.00	5.42	108	70-130	
Benzoic acid	10.0	8.06	81	70-130	
Benzo[k]fluoranthene	5.00	5.63	113	70-130	
Benzyl alcohol	5.00	4.98	100	70-130	
Bis(2-chloroethoxy)methane	5.00	4.93	99	70-130	
Bis(2-chloroethyl)ether	5.00	4.85	97	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.91	98	70-130	
4-Bromophenyl phenyl ether	5.00	5.10	102	70-130	
Butyl benzyl phthalate	5.00	4.89	98	70-130	
Carbazole	5.00	5.04	101	70-130	
4-Chloro-3-methylphenol	5.00	5.08	102	70-130	
2-Chloronaphthalene	5.00	4.87	97	70-130	
2-Chlorophenol	5.00	5.05	101	70-130	
4-Chlorophenyl phenyl ether	5.00	5.18	104	70-130	
Chrysene	5.00	4.94	99	70-130	
Dibenz(a,h)anthracene	5.00	5.04	101	70-130	
Dibenzofuran	5.00	4.91	98	70-130	
1,2-Dichlorobenzene	5.00	5.10	102	70-130	
1,3-Dichlorobenzene	5.00	4.95	99	70-130	
1,4-Dichlorobenzene	5.00	5.04	101	70-130	
3,3'-Dichlorobenzidine	5.00	5.00	100	70-130	
2,4-Dichlorophenol	5.00	5.23	105	70-130	
Diethyl phthalate	5.00	5.04	101	70-130	
2,4-Dimethylphenol	5.00	4.99	100	70-130	
Dimethyl phthalate	5.00	5.19	104	70-130	
Di-n-butyl phthalate	5.00	5.07	101	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.33	87	70-130	
2,4-Dinitrophenol	10.0	8.30	83	70-130	
2,4-Dinitrotoluene	5.00	5.14	103	70-130	
2,6-Dinitrotoluene	5.00	5.04	101	70-130	
Di-n-octyl phthalate	5.00	4.64	93	70-130	
Fluoranthene	5.00	5.21	104	70-130	
Fluorene	5.00	4.97	99	70-130	
Hexachlorobenzene	5.00	5.16	103	70-130	
Hexachlorobutadiene	5.00	5.25	105	70-130	
Hexachloroethane	5.00	4.90	98	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21206003.D

Lab ID: MRL 240-67544/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.14	103	70-130	
Isophorone	5.00	5.01	100	70-130	
2-Methylnaphthalene	5.00	5.09	102	70-130	
2-Methylphenol	5.00	5.00	100	70-130	
3 & 4 Methylphenol	5.00	5.00	100	70-130	
Naphthalene	5.00	5.09	102	70-130	
2-Nitroaniline	5.00	5.10	102	70-130	
3-Nitroaniline	5.00	5.16	103	70-130	
4-Nitroaniline	5.00	5.00	100	70-130	
Nitrobenzene	5.00	5.16	103	70-130	
2-Nitrophenol	5.00	4.98	100	70-130	
4-Nitrophenol	5.00	4.99	100	70-130	
N-Nitrosodi-n-propylamine	5.00	4.92	98	70-130	
N-Nitrosodiphenylamine	5.00	5.03	101	70-130	
Pentachlorophenol	10.0	9.60	96	70-130	
Phenanthrene	5.00	4.81	96	70-130	
Phenol	5.00	4.92	98	70-130	
Pyrene	5.00	4.93	99	70-130	
1,2,4-Trichlorobenzene	5.00	5.28	106	70-130	
2,4,5-Trichlorophenol	5.00	5.10	102	70-130	
2,4,6-Trichlorophenol	5.00	5.21	104	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21206025.D

Lab ID: MRL 240-67544/25 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.06	101	70-130	
Acenaphthylene	5.00	5.05	101	70-130	
Anthracene	5.00	5.14	103	70-130	
Benzo[a]anthracene	5.00	5.39	108	70-130	
Benzo[a]pyrene	5.00	5.22	104	70-130	
Benzo[b]fluoranthene	5.00	5.55	111	70-130	
Benzo[g,h,i]perylene	5.00	5.39	108	70-130	
Benzoic acid	10.0	7.75	77	70-130	
Benzo[k]fluoranthene	5.00	5.30	106	70-130	
Benzyl alcohol	5.00	4.98	100	70-130	
Bis(2-chloroethoxy)methane	5.00	5.17	103	70-130	
Bis(2-chloroethyl)ether	5.00	4.87	97	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.38	108	70-130	
4-Bromophenyl phenyl ether	5.00	5.57	111	70-130	
Butyl benzyl phthalate	5.00	5.38	108	70-130	
Carbazole	5.00	5.06	101	70-130	
4-Chloro-3-methylphenol	5.00	5.38	108	70-130	
2-Chloronaphthalene	5.00	5.24	105	70-130	
2-Chlorophenol	5.00	4.84	97	70-130	
4-Chlorophenyl phenyl ether	5.00	5.41	108	70-130	
Chrysene	5.00	5.40	108	70-130	
Dibenz(a,h)anthracene	5.00	5.01	100	70-130	
Dibenzofuran	5.00	5.05	101	70-130	
1,2-Dichlorobenzene	5.00	4.91	98	70-130	
1,3-Dichlorobenzene	5.00	4.87	97	70-130	
1,4-Dichlorobenzene	5.00	4.92	98	70-130	
3,3'-Dichlorobenzidine	5.00	5.42	108	70-130	
2,4-Dichlorophenol	5.00	5.36	107	70-130	
Diethyl phthalate	5.00	5.09	102	70-130	
2,4-Dimethylphenol	5.00	5.39	108	70-130	
Dimethyl phthalate	5.00	5.10	102	70-130	
Di-n-butyl phthalate	5.00	5.25	105	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.40	88	70-130	
2,4-Dinitrophenol	10.0	7.41	74	70-130	
2,4-Dinitrotoluene	5.00	5.41	108	70-130	
2,6-Dinitrotoluene	5.00	5.25	105	70-130	
Di-n-octyl phthalate	5.00	5.20	104	70-130	
Fluoranthene	5.00	5.27	105	70-130	
Fluorene	5.00	5.08	102	70-130	
Hexachlorobenzene	5.00	5.32	106	70-130	
Hexachlorobutadiene	5.00	5.41	108	70-130	
Hexachloroethane	5.00	4.79	96	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21206025.D

Lab ID: MRL 240-67544/25 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.26	105	70-130	
Isophorone	5.00	5.32	106	70-130	
2-Methylnaphthalene	5.00	5.12	102	70-130	
2-Methylphenol	5.00	4.91	98	70-130	
3 & 4 Methylphenol	5.00	4.93	99	70-130	
Naphthalene	5.00	5.04	101	70-130	
2-Nitroaniline	5.00	5.20	104	70-130	
3-Nitroaniline	5.00	5.47	109	70-130	
4-Nitroaniline	5.00	5.29	106	70-130	
Nitrobenzene	5.00	5.42	108	70-130	
2-Nitrophenol	5.00	5.36	107	70-130	
4-Nitrophenol	5.00	4.86	97	70-130	
N-Nitrosodi-n-propylamine	5.00	4.89	98	70-130	
N-Nitrosodiphenylamine	5.00	4.98	100	70-130	
Pentachlorophenol	10.0	9.74	97	70-130	
Phenanthrene	5.00	4.93	99	70-130	
Phenol	5.00	4.83	97	70-130	
Pyrene	5.00	5.21	104	70-130	
1,2,4-Trichlorobenzene	5.00	5.50	110	70-130	
2,4,5-Trichlorophenol	5.00	5.43	109	70-130	
2,4,6-Trichlorophenol	5.00	5.29	106	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21206007.D

Lab ID: 240-17810-7 MS Client ID: 076SB-0074M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	675	33 U	457	68	45-110	D
Acenaphthylene	675	33 U	408	60	45-105	D
Anthracene	675	33 U	412	61	55-105	D
Benzo[a]anthracene	675	33 U	447	66	50-110	D
Benzo[a]pyrene	675	33 U	416	62	50-110	D
Benzo[b]fluoranthene	675	33 U	373	55	45-115	D
Benzo[g,h,i]perylene	675	33 U	436	65	40-125	D
Benzoic acid	675	3300 U	3400 U	NC	0-110	
Benzo[k]fluoranthene	675	33 U	424	63	45-125	D
Benzyl alcohol	675	270 U	367 J	54	20-125	D
Bis(2-chloroethoxy)methane	675	270 U	378 J	56	45-110	D
Bis(2-chloroethyl)ether	675	33 U	347 J	51	40-105	D
bis (2-chloroisopropyl) ether	675	270 U	355 J	53	20-115	D
Bis(2-ethylhexyl) phthalate	675	270 U	438 J	65	45-125	D
4-Bromophenyl phenyl ether	675	270 U	442 J	65	45-115	D
Butyl benzyl phthalate	675	270 U	461 J	68	50-125	D
Carbazole	675	270 U	440 J	65	45-115	D
4-Chloroaniline	675	270 U	270 U	0	10-95	J
4-Chloro-3-methylphenol	675	270 U	406 J	60	45-115	D
2-Chloronaphthalene	675	33 U	408 J	60	45-105	D
2-Chlorophenol	675	270 U	363 J	54	45-105	D
4-Chlorophenyl phenyl ether	675	270 U	462 J	68	45-110	D
Chrysene	675	33 U	489	73	55-110	D
Dibenz(a,h)anthracene	675	33 U	453	67	40-125	D
Dibenzofuran	675	33 U	417 J	62	50-105	D
1,2-Dichlorobenzene	675	270 U	358 J	53	45-95	D
1,3-Dichlorobenzene	675	270 U	331 J	49	40-100	D
1,4-Dichlorobenzene	675	270 U	334 J	50	35-105	D
3,3'-Dichlorobenzidine	675	800 U	301 J	45	10-130	D
2,4-Dichlorophenol	675	270 U	414 J	61	45-110	D
Diethyl phthalate	675	270 U	446 J	66	50-115	D
2,4-Dimethylphenol	675	800 U	363 J	54	30-105	D
Dimethyl phthalate	675	270 U	471 J	70	50-110	D
Di-n-butyl phthalate	675	270 U	430 J	64	55-110	D
4,6-Dinitro-2-methylphenol	675	800 U	810 U	NC	30-135	
2,4-Dinitrophenol	675	800 U	810 U	NC	15-130	
2,4-Dinitrotoluene	675	270 U	564 J	84	50-115	D
2,6-Dinitrotoluene	675	270 U	663 J	98	50-110	D
Di-n-octyl phthalate	675	270 U	464 J	69	40-130	D
Fluoranthene	675	33 U	452	67	55-115	D
Fluorene	675	33 U	421	62	50-110	D
Hexachlorobenzene	675	33 U	482	72	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21206007.D

Lab ID: 240-17810-7 MS Client ID: 076SB-0074M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	675	270 U	373 J	55	40-115	D
Hexachloroethane	675	270 U	308 J	46	35-110	D
Indeno[1,2,3-cd]pyrene	675	33 U	408	61	40-120	D
Isophorone	675	270 U	388 J	57	45-110	D
2-Methylnaphthalene	675	33 U	430	64	45-105	D
2-Methylphenol	675	800 U	810 U	NC	40-105	
3 & 4 Methylphenol	1350	800 U	781 J	58	40-105	D
Naphthalene	675	33 U	408	61	40-105	D
2-Nitroaniline	675	270 U	377 J	56	45-120	D
3-Nitroaniline	675	800 U	264 J	39	25-110	D
4-Nitroaniline	675	270 U	468 J	69	35-115	D
Nitrobenzene	675	33 U	379 J	56	40-115	D
2-Nitrophenol	675	270 U	452 J	67	40-110	D
4-Nitrophenol	675	800 U	810 U	NC	15-140	
N-Nitrosodi-n-propylamine	675	270 U	376 J	56	40-115	D
N-Nitrosodiphenylamine	675	270 U	401 J	59	50-115	D
Pentachlorophenol	675	800 U	810 U	NC	25-120	
Phenanthrene	675	33 U	458	68	50-110	D
Phenol	675	270 U	400 J	59	40-100	D
Pyrene	675	33 U	416	62	45-125	D
1,2,4-Trichlorobenzene	675	270 U	386 J	57	45-110	D
2,4,5-Trichlorophenol	675	270 U	414 J	61	50-110	D
2,4,6-Trichlorophenol	675	800 U	810 U	NC	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21206008.D

Lab ID: 240-17810-7 MSD Client ID: 076SB-0074M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	672	484	72	6	30	45-110	D
Acenaphthylene	672	457	68	11	30	45-105	D
Anthracene	672	439	65	7	30	55-105	D
Benzo[a]anthracene	672	492	73	10	30	50-110	D
Benzo[a]pyrene	672	451	67	8	30	50-110	D
Benzo[b]fluoranthene	672	432	64	15	30	45-115	D
Benzo[g,h,i]perylene	672	474	71	8	30	40-125	D
Benzoic acid	672	3400 U	NC	NC	30	0-110	
Benzo[k]fluoranthene	672	413	62	3	30	45-125	D
Benzyl alcohol	672	431 J	64	16	30	20-125	D
Bis(2-chloroethoxy)methane	672	471 J	70	22	30	45-110	D
Bis(2-chloroethyl)ether	672	467 J	70	30	30	40-105	D
bis (2-chloroisopropyl) ether	672	442 J	66	22	30	20-115	D
Bis(2-ethylhexyl) phthalate	672	465 J	69	6	30	45-125	D
4-Bromophenyl phenyl ether	672	511	76	14	30	45-115	D
Butyl benzyl phthalate	672	464 J	69	1	30	50-125	D
Carbazole	672	453 J	67	3	30	45-115	D
4-Chloroaniline	672	183 J	27	200	30	10-95	D J
4-Chloro-3-methylphenol	672	462 J	69	13	30	45-115	D
2-Chloronaphthalene	672	468 J	70	14	30	45-105	D
2-Chlorophenol	672	489 J	73	29	30	45-105	D
4-Chlorophenyl phenyl ether	672	469 J	70	2	30	45-110	D
Chrysene	672	498	74	2	30	55-110	D
Dibenz(a,h)anthracene	672	498	74	9	30	40-125	D
Dibenzofuran	672	491 J	73	16	30	50-105	D
1,2-Dichlorobenzene	672	439 J	65	21	30	45-95	D
1,3-Dichlorobenzene	672	436 J	65	27	30	40-100	D
1,4-Dichlorobenzene	672	447 J	67	29	30	35-105	D
3,3'-Dichlorobenzidine	672	335 J	50	11	30	10-130	D
2,4-Dichlorophenol	672	463 J	69	11	30	45-110	D
Diethyl phthalate	672	482 J	72	8	30	50-115	D
2,4-Dimethylphenol	672	419 J	62	14	30	30-105	D
Dimethyl phthalate	672	511	76	8	30	50-110	D
Di-n-butyl phthalate	672	450 J	67	5	30	55-110	D
4,6-Dinitro-2-methylphenol	672	810 U	NC	NC	30	30-135	
2,4-Dinitrophenol	672	1560 J	NC	200	30	15-130	D J
2,4-Dinitrotoluene	672	568 J	85	1	30	50-115	D
2,6-Dinitrotoluene	672	692 J	103	4	30	50-110	D
Di-n-octyl phthalate	672	474 J	71	2	30	40-130	D
Fluoranthene	672	484	72	7	30	55-115	D
Fluorene	672	493	73	16	30	50-110	D
Hexachlorobenzene	672	511	76	6	30	45-120	D

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21206008.D

Lab ID: 240-17810-7 MSD Client ID: 076SB-0074M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	672	467 J	70	22	30	40-115	D
Hexachloroethane	672	409 J	61	28	30	35-110	D
Indeno[1,2,3-cd]pyrene	672	473	70	15	30	40-120	D
Isophorone	672	478 J	71	21	30	45-110	D
2-Methylnaphthalene	672	501	75	15	30	45-105	D
2-Methylphenol	672	810 U	NC	NC	30	40-105	
3 & 4 Methylphenol	1340	930 J	69	17	30	40-105	D
Naphthalene	672	480	72	16	30	40-105	D
2-Nitroaniline	672	414 J	62	9	30	45-120	D
3-Nitroaniline	672	341 J	51	25	30	25-110	D
4-Nitroaniline	672	492 J	73	5	30	35-115	D
Nitrobenzene	672	452 J	67	18	30	40-115	D
2-Nitrophenol	672	587	87	26	30	40-110	D
4-Nitrophenol	672	810 U	NC	NC	30	15-140	
N-Nitrosodi-n-propylamine	672	437 J	65	15	30	40-115	D
N-Nitrosodiphenylamine	672	452 J	67	12	30	50-115	D
Pentachlorophenol	672	810 U	NC	NC	30	25-120	
Phenanthrene	672	488	73	6	30	50-110	D
Phenol	672	481 J	72	19	30	40-100	D
Pyrene	672	453	67	8	30	45-125	D
1,2,4-Trichlorobenzene	672	457 J	68	17	30	45-110	D
2,4,5-Trichlorophenol	672	445 J	66	7	30	50-110	D
2,4,6-Trichlorophenol	672	810 U	NC	NC	30	45-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: 21206004.D Lab Sample ID: MB 240-66569/21-A

Matrix: Solid Date Extracted: 11/28/2012 09:47

Instrument ID: A4HP7 Date Analyzed: 12/06/2012 10:08

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-66569/22-A	21206005.D	12/06/2012 10:31
076SB-0074M-0001-SO	240-17810-7	21206006.D	12/06/2012 10:55
076SB-0074M-0001-SO MS	240-17810-7 MS	21206007.D	12/06/2012 11:18
076SB-0074M-0001-SO MSD	240-17810-7 MSD	21206008.D	12/06/2012 11:41
076SB-0068M-0001-SO	240-17810-1	21206014.D	12/06/2012 14:00
076SB-0070M-0001-SO	240-17810-3	21206015.D	12/06/2012 14:23
076SB-0069M-0001-SO	240-17810-2	21206021.D	12/06/2012 16:43
076SB-0071M-0001-SO	240-17810-4	21206022.D	12/06/2012 17:06
076SB-0072M-0001-SO	240-17810-5	21206023.D	12/06/2012 17:30
076SB-0073M-0001-SO	240-17810-6	21206024.D	12/06/2012 17:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: 21107001.D DFTPP Injection Date: 11/07/2012

Instrument ID: A4HP7 DFTPP Injection Time: 11:21

Analysis Batch No.: 64102

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	43.3	
68	Less than 2.0% of mass 69	0.5	(1.1)1
69	Mass 69 relative abundance	44.0	
70	Less than 2.0% of mass 69	0.2	(0.4)1
127	25.0 - 75.0% of mass 198	52.9	
197	Less than 1.0% of mass 198	0.7	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.6	
275	10.0- 30.0% of mass 198	22.5	
365	Greater than 0.75% of mass 198	2.6	
441	Present, but less than mass 443	11.3	
442	40.0 - 110.0% of mass 198	74.9	
443	15.0 - 24.0% of mass 442	13.5	(18.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-64102/2	21107002.D	11/07/2012	11:44
	STD4 240-64102/3	21107003.D	11/07/2012	12:07
	STD3 240-64102/4	21107004.D	11/07/2012	12:31
	STD2 240-64102/5	21107005.D	11/07/2012	12:54
	STD1 240-64102/6	21107006.D	11/07/2012	13:18
	STD9 240-64102/7	21107007.D	11/07/2012	13:41
	STD8 240-64102/8	21107008.D	11/07/2012	14:05
	STD7 240-64102/9	21107009.D	11/07/2012	14:28
	STD6 240-64102/10	21107010.D	11/07/2012	14:51

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: 21121001.D DFTPP Injection Date: 11/21/2012

Instrument ID: A4HP7 DFTPP Injection Time: 11:18

Analysis Batch No.: 65876

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	41.0	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	41.6	
70	Less than 2.0% of mass 69	0.2	(0.4)1
127	25.0 - 75.0% of mass 198	50.2	
197	Less than 1.0% of mass 198	0.4	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.2	
275	10.0- 30.0% of mass 198	24.8	
365	Greater than 0.75% of mass 198	2.7	
441	Present, but less than mass 443	12.7	
442	40.0 - 110.0% of mass 198	93.9	
443	15.0 - 24.0% of mass 442	16.1	(17.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 240-65876/3	21121003.D	11/21/2012	12:04

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab File ID: 21206001.D DFTPP Injection Date: 12/06/2012

Instrument ID: A4HP7 DFTPP Injection Time: 08:55

Analysis Batch No.: 67544

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	42.8	
68	Less than 2.0% of mass 69	0.3	(0.6)1
69	Mass 69 relative abundance	43.0	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	51.5	
197	Less than 1.0% of mass 198	0.2	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.9	
275	10.0- 30.0% of mass 198	23.4	
365	Greater than 0.75% of mass 198	2.7	
441	Present, but less than mass 443	10.9	
442	40.0 - 110.0% of mass 198	84.0	
443	15.0 - 24.0% of mass 442	15.4	(18.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-67544/2	21206002.D	12/06/2012	09:18
	MRL 240-67544/3	21206003.D	12/06/2012	09:41
	MB 240-66569/21-A	21206004.D	12/06/2012	10:08
	LCS 240-66569/22-A	21206005.D	12/06/2012	10:31
076SB-0074M-0001-SO	240-17810-7	21206006.D	12/06/2012	10:55
076SB-0074M-0001-SO MS	240-17810-7 MS	21206007.D	12/06/2012	11:18
076SB-0074M-0001-SO MSD	240-17810-7 MSD	21206008.D	12/06/2012	11:41
076SB-0068M-0001-SO	240-17810-1	21206014.D	12/06/2012	14:00
076SB-0070M-0001-SO	240-17810-3	21206015.D	12/06/2012	14:23
076SB-0069M-0001-SO	240-17810-2	21206021.D	12/06/2012	16:43
076SB-0071M-0001-SO	240-17810-4	21206022.D	12/06/2012	17:06
076SB-0072M-0001-SO	240-17810-5	21206023.D	12/06/2012	17:30
076SB-0073M-0001-SO	240-17810-6	21206024.D	12/06/2012	17:53
	MRL 240-67544/25	21206025.D	12/06/2012	18:16
	mdll1	21206026.D	12/06/2012	18:39
	mdll2	21206027.D	12/06/2012	19:03

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Sample No.: STD6 240-64102/10 Date Analyzed: 11/07/2012 14:51

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21107010.D Heated Purge: (Y/N) N

Calibration ID: 12247

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		226874	5.90	879477	7.02	492418	8.51
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-65876/3		177147	5.86	653446	6.99	382015	8.48
CCV 240-67544/2		184159	5.73	688169	6.86	422324	8.35
MRL 240-67544/3		190423	5.73	716631	6.86	417270	8.35
MB 240-66569/21-A		147794	5.73	554335	6.86	319624	8.35
LCS 240-66569/22-A		155932	5.73	596263	6.86	346407	8.35
240-17810-7	076SB-0074M-0001-SO	170594	5.73	658218	6.86	385391	8.35
240-17810-7 MS	076SB-0074M-0001-SO MS	197069	5.73	728425	6.86	426557	8.35
240-17810-7 MSD	076SB-0074M-0001-SO MSD	195737	5.73	743955	6.86	436432	8.35
240-17810-1	076SB-0068M-0001-SO	197162	5.73	744910	6.86	433179	8.35
240-17810-3	076SB-0070M-0001-SO	199496	5.73	755325	6.86	448080	8.35
240-17810-2	076SB-0069M-0001-SO	187770	5.75	734934	6.86	443993	8.35
240-17810-4	076SB-0071M-0001-SO	188175	5.75	726906	6.86	424350	8.35
240-17810-5	076SB-0072M-0001-SO	194857	5.74	729075	6.86	435200	8.35
240-17810-6	076SB-0073M-0001-SO	183254	5.74	695605	6.86	416260	8.35
MRL 240-67544/25		224557	5.73	819626	6.86	485047	8.35
mdl11 LODV		179924	5.73	703984	6.86	407779	8.35
mdl12 LODV		184909	5.73	689022	6.86	396010	8.35

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Sample No.: STD6 240-64102/10 Date Analyzed: 11/07/2012 14:51

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21107010.D Heated Purge: (Y/N) N

Calibration ID: 12247

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		835794	9.77	860001	12.30	705582	14.37
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-65876/3		646813	9.74	684665	12.26	583062	14.30
CCV 240-67544/2		743042	9.60	761868	12.06	631203	14.04
MRL 240-67544/3		730577	9.60	765833	12.06	616441	14.03
MB 240-66569/21-A		547378	9.60	574787	12.06	412941	14.04
LCS 240-66569/22-A		632911	9.60	673761	12.06	517704	14.03
240-17810-7	076SB-0074M-0001-SO	697732	9.60	714201	12.06	559010	14.03
240-17810-7 MS	076SB-0074M-0001-SO MS	754257	9.60	785295	12.05	633392	14.03
240-17810-7 MSD	076SB-0074M-0001-SO MSD	778261	9.60	802219	12.06	647006	14.03
240-17810-1	076SB-0068M-0001-SO	774959	9.60	808890	12.06	685669	14.04
240-17810-3	076SB-0070M-0001-SO	814469	9.60	827854	12.06	721123	14.03
240-17810-2	076SB-0069M-0001-SO	764132	9.60	811771	12.06	698954	14.04
240-17810-4	076SB-0071M-0001-SO	740268	9.60	777345	12.06	691459	14.03
240-17810-5	076SB-0072M-0001-SO	744704	9.60	805603	12.06	688237	14.04
240-17810-6	076SB-0073M-0001-SO	717763	9.60	761868	12.06	650888	14.03
MRL 240-67544/25		854296	9.60	849647	12.06	725945	14.03
mdll1 LODV		737584	9.60	742681	12.06	615669	14.04
mdll2 LODV		712012	9.60	707150	12.06	589344	14.04

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0068M-0001-SO | Lab Sample ID: 240-17810-1

Matrix: Solid | Lab File ID: 21206014.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.64(g) | Date Analyzed: 12/06/2012 14:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	68	33	33
208-96-8	Acenaphthylene	33	U	68	33	33
120-12-7	Anthracene	33	U	68	33	33
56-55-3	Benzo[a]anthracene	33	U	68	33	33
50-32-8	Benzo[a]pyrene	99	D M	68	33	33
205-99-2	Benzo[b]fluoranthene	33	U	68	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	68	33	33
65-85-0	Benzoic acid	3400	U	6700	3400	3400
207-08-9	Benzo[k]fluoranthene	33	U	68	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	96
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	510	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	510	270	130
85-68-7	Butyl benzyl phthalate	270	U	510	270	100
86-74-8	Carbazole	270	U	510	270	270
106-47-8	4-Chloroaniline	270	U	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	510	33	33
95-57-8	2-Chlorophenol	270	U	510	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	510	270	130
218-01-9	Chrysene	33	U	68	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	68	33	33
132-64-9	Dibenzofuran	33	U	510	33	33
95-50-1	1,2-Dichlorobenzene	270	U	510	270	98
541-73-1	1,3-Dichlorobenzene	270	U	510	270	110
106-46-7	1,4-Dichlorobenzene	270	U	510	270	200
91-94-1	3,3'-Dichlorobenzidine	810	U	1000	810	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	510	270	160
105-67-9	2,4-Dimethylphenol	810	U	1500	810	200
131-11-3	Dimethyl phthalate	270	U	510	270	170
84-74-2	Di-n-butyl phthalate	270	U	510	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0068M-0001-SO | Lab Sample ID: 240-17810-1

Matrix: Solid | Lab File ID: 21206014.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.64(g) | Date Analyzed: 12/06/2012 14:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	810	U	1500	810	810
51-28-5	2,4-Dinitrophenol	810	U	3300	810	810
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	510	270	270
206-44-0	Fluoranthene	80	D	68	33	33
86-73-7	Fluorene	33	U	68	33	33
118-74-1	Hexachlorobenzene	33	U	68	33	21
87-68-3	Hexachlorobutadiene	270	U	510	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	510	270	91
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	68	33	33
78-59-1	Isophorone	270	U	510	270	130
91-57-6	2-Methylnaphthalene	33	U	68	33	33
95-48-7	2-Methylphenol	810	U	2000	810	810
15831-10-4	3 & 4 Methylphenol	810	U	4000	810	200
91-20-3	Naphthalene	33	U	68	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	92
99-09-2	3-Nitroaniline	810	U	2000	810	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	510	270	270
100-02-7	4-Nitrophenol	810	U	3300	810	810
621-64-7	N-Nitrosodi-n-propylamine	270	U	510	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	510	270	210
87-86-5	Pentachlorophenol	810	U	1500	810	810
85-01-8	Phenanthrene	33	U	68	33	33
108-95-2	Phenol	270	U	510	270	270
129-00-0	Pyrene	57	J D	68	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	510	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	810	U	1500	810	810

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0068M-0001-SO | Lab Sample ID: 240-17810-1

Matrix: Solid | Lab File ID: 21206014.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.64(g) | Date Analyzed: 12/06/2012 14:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
4165-62-2	Phenol-d5 (Surr)	65		40-100
1718-51-0	Terphenyl-d14 (Surr)	79		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	55		35-125

Report Date: 07-Dec-2012 12:54:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206014.D
Lims ID: 240-17810-E-1-B Client ID: 076SB-0068M-0001-SO
Inject. Date: 06-Dec-2012 14:00:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015580-014
Misc. Info.: 240-17810-e-1-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 67544 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj Date: 06-Dec-2012 14:44:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.734	5.733	0.001	95	197162	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	744910	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	94	433179	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	98	774959	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	98	808890	4.00	
* 6 Perylene-d12	264	14.035	14.035	0.0	92	685669	4.00	
$ 7 2-Fluorophenol	112	4.466	4.434	0.032	88	61645	1.01	
$ 8 Phenol-d5	99	5.386	5.380	0.006	96	75267	0.9727	
$ 9 Nitrobenzene-d5	82	6.226	6.226	0.0	87	38309	0.5849	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	98	94350	0.6714	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	83	14913	0.8322	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	97	118788	0.7929	
41 Phenol	94		5.391					9
44 Bis(2-chloroethyl)ether	93		5.487					
46 2-Chlorophenol	128		5.536					
47 1,3-Dichlorobenzene	146		5.680					
48 1,4-Dichlorobenzene	146		5.750					
49 Benzyl alcohol	108		5.851					9
50 1,2-Dichlorobenzene	146		5.883					
51 2-Methylphenol	108		5.947					9
52 2,2'-oxybis[1-chloropropane]	45		5.974					9
191 3 & 4 Methylphenol	108		6.081					
56 N-Nitrosodi-n-propylamine	70		6.086					
60 Hexachloroethane	117		6.188					
61 Nitrobenzene	77		6.242					
63 Isophorone	82		6.450					
65 2-Nitrophenol	139		6.520					
64 2,4-Dimethylphenol	107		6.546					
69 Benzoic acid	122		6.616					
68 Bis(2-chloroethoxy)methane	93		6.632					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.728					
72 1,2,4-Trichlorobenzene	180		6.803					
73 Naphthalene	128		6.873					9
74 4-Chloroaniline	127		6.916					9
77 Hexachlorobutadiene	225		6.974					
84 4-Chloro-3-methylphenol	107		7.311					
85 2-Methylnaphthalene	142		7.466					9
88 Hexachlorocyclopentadiene	237		7.595					
90 2,4,6-Trichlorophenol	196		7.696					
91 2,4,5-Trichlorophenol	196		7.729					
98 2-Chloronaphthalene	162		7.878					
100 2-Nitroaniline	65		7.959					9
103 Dimethyl phthalate	163		8.098					9
105 2,6-Dinitrotoluene	165		8.156					
107 Acenaphthylene	152		8.231					9
108 3-Nitroaniline	138		8.301					
110 Acenaphthene	153		8.376					9
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					
112 2,4-Dinitrotoluene	165		8.493					
114 Dibenzofuran	168		8.520					9
119 Diethyl phthalate	149		8.686					9
121 4-Chlorophenyl phenyl ether	204		8.798					
124 Fluorene	166		8.809					9
123 4-Nitroaniline	138		8.814					
126 4,6-Dinitro-2-methylphenol	198		8.836					
130 N-Nitrosodiphenylamine	169		8.895					
137 4-Bromophenyl phenyl ether	248		9.210					
139 Hexachlorobenzene	284		9.274					
141 Pentachlorophenol	266		9.435					
146 Phenanthrene	178		9.622					9
147 Anthracene	178		9.665					9
149 Carbazole	167		9.793					9
151 Di-n-butyl phthalate	149		10.055					
157 Fluoranthene	202	10.622	10.622	0.0	93	27823	0.1190	
160 Pyrene	202	10.820	10.820	0.0	94	21761	0.0843	
166 Butyl benzyl phthalate	149		11.387					
173 3,3'-Dichlorobenzidine	252		11.997					
171 Bis(2-ethylhexyl) phthalate	149		12.018					9
175 Benzo[a]anthracene	228		12.040					9
176 Chrysene	228		12.088					9
178 Di-n-octyl phthalate	149		12.879					9
180 Benzo[b]fluoranthene	252		13.473					
181 Benzo[k]fluoranthene	252		13.510					
182 Benzo[a]pyrene	252	13.954	13.954	0.0	41	7360	0.1460	M
186 Indeno[1,2,3-cd]pyrene	276		15.628					
187 Dibenz(a,h)anthracene	278		15.650					9
188 Benzo[g,h,i]perylene	276		16.030					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

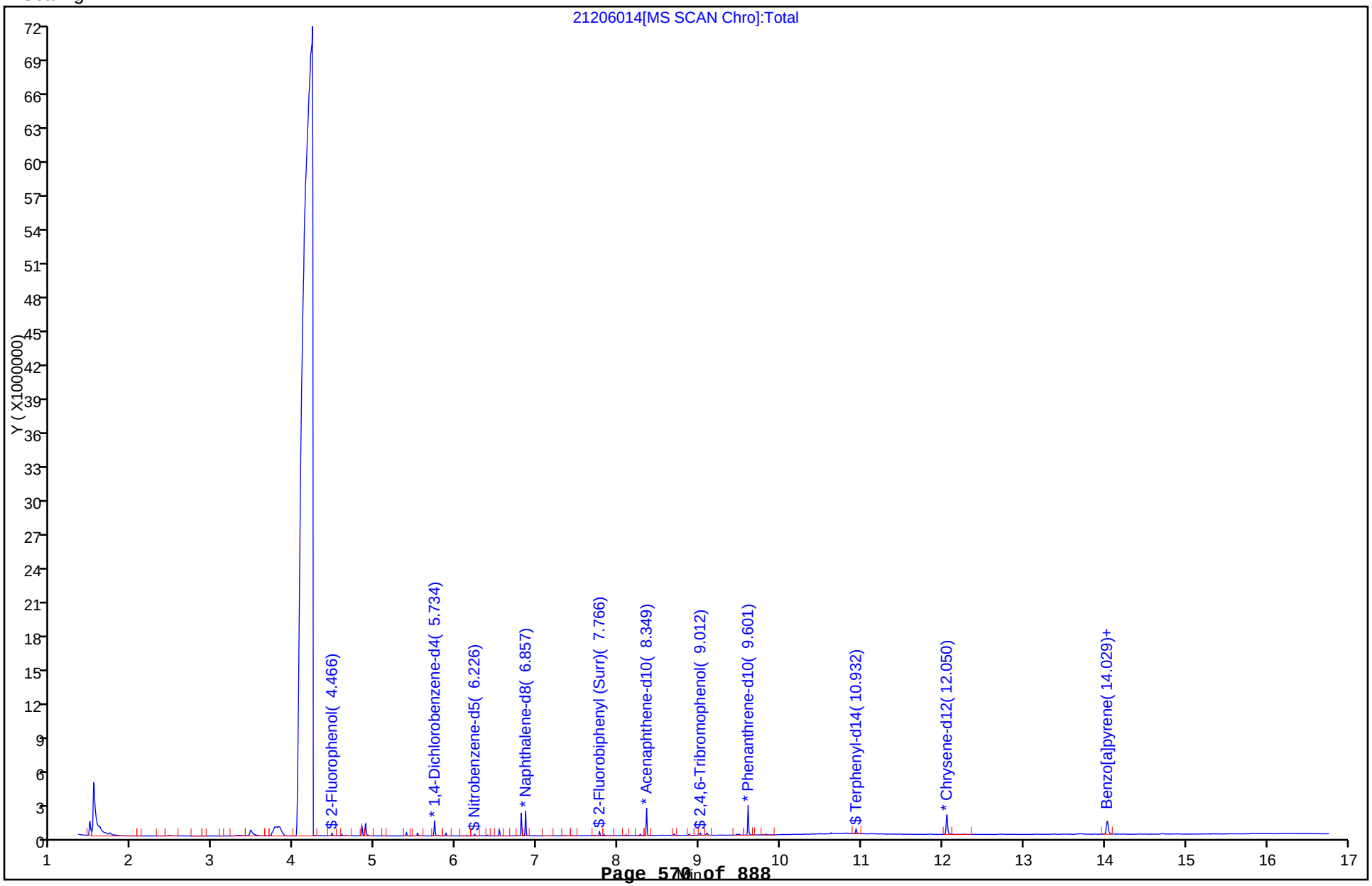
Review Flags
M - Manually Integrated

Report Date: 07-Dec-2012 12:54:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206014.D		
Injection Date:	06-Dec-2012 14:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0068M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

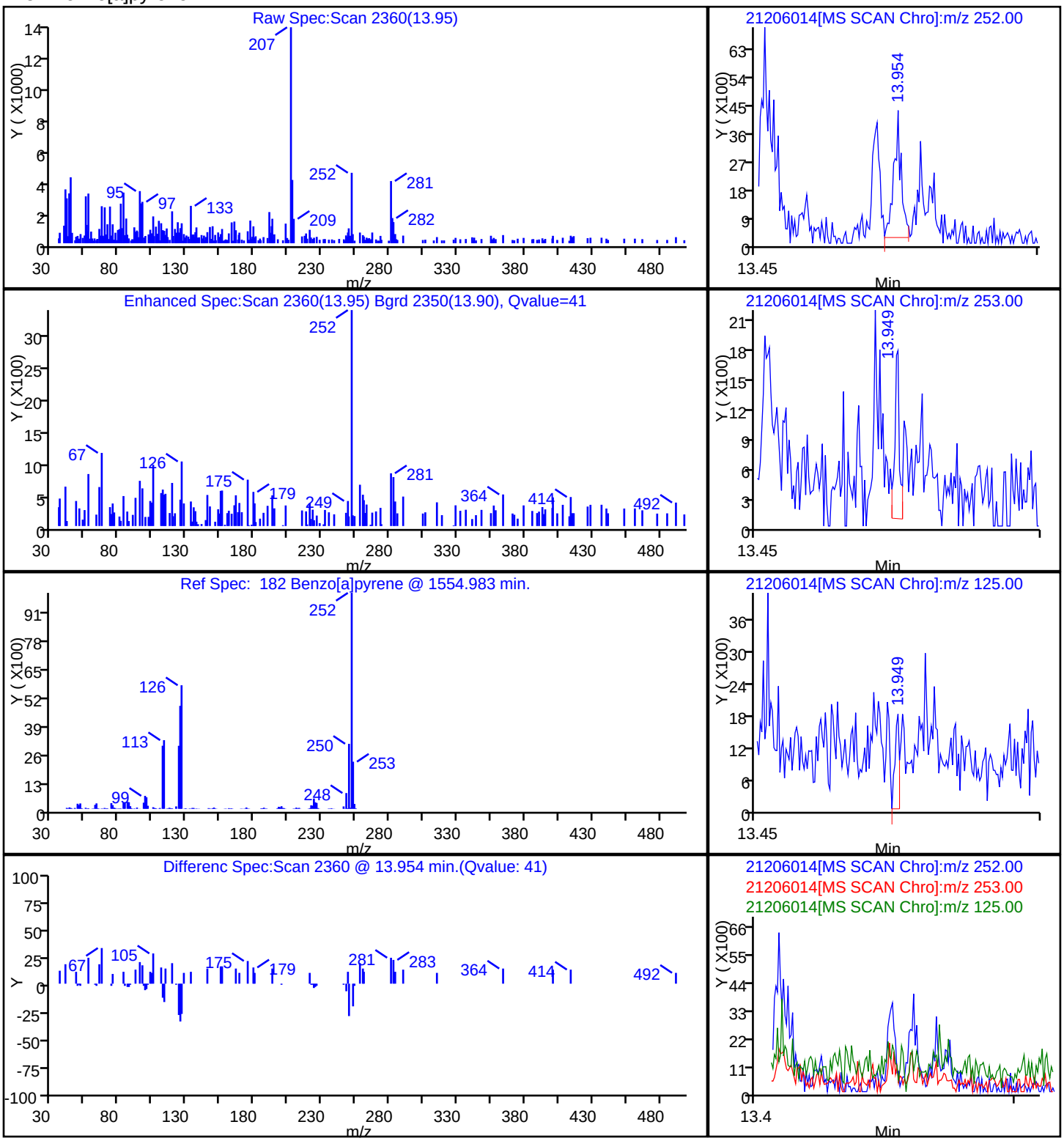


Report Date: 07-Dec-2012 12:54:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206014.D		
Injection Date:	06-Dec-2012 14:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0068M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



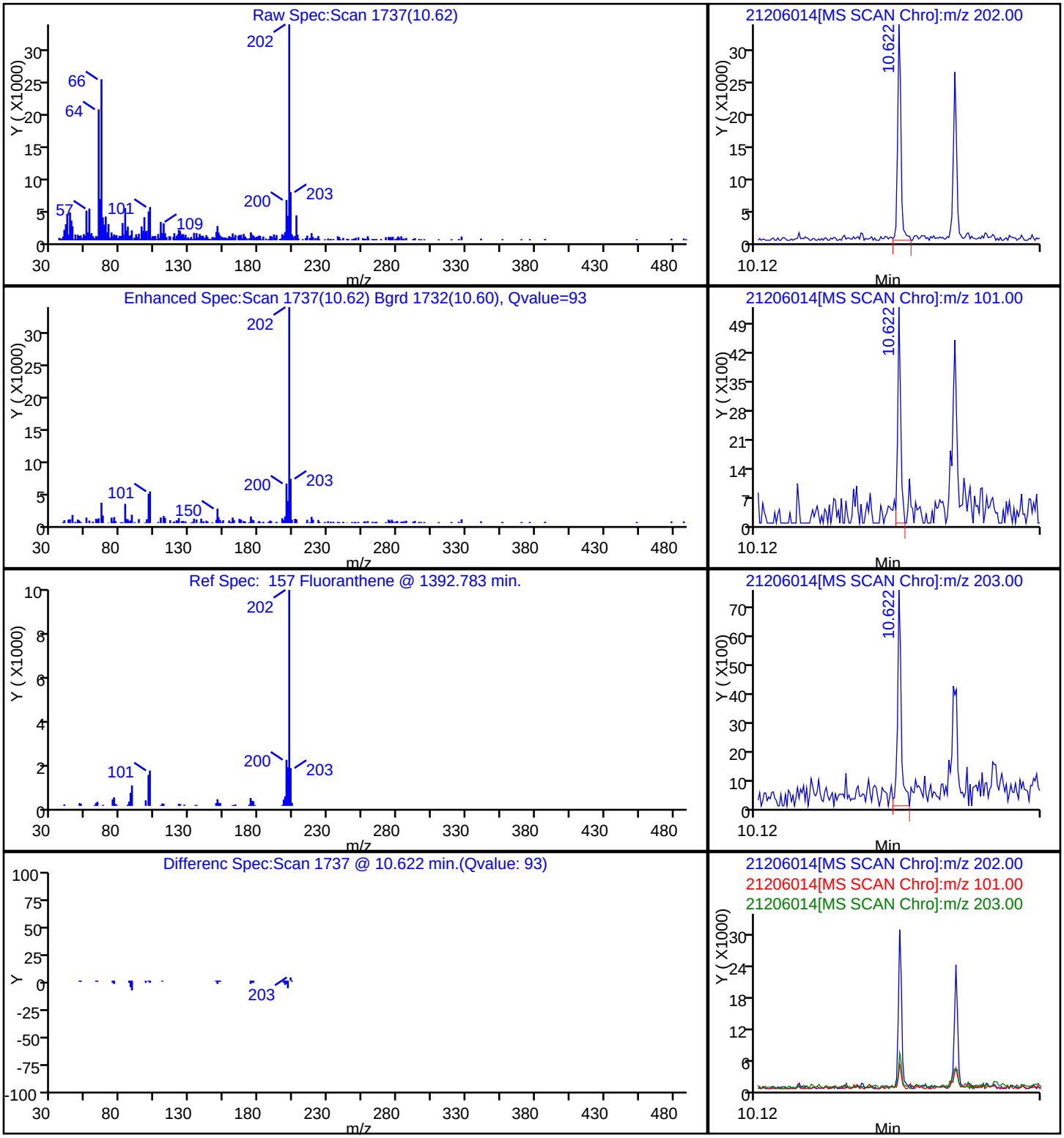
Report Date: 07-Dec-2012 12:54:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206014.D

Injection Date:	06-Dec-2012 14:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0068M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



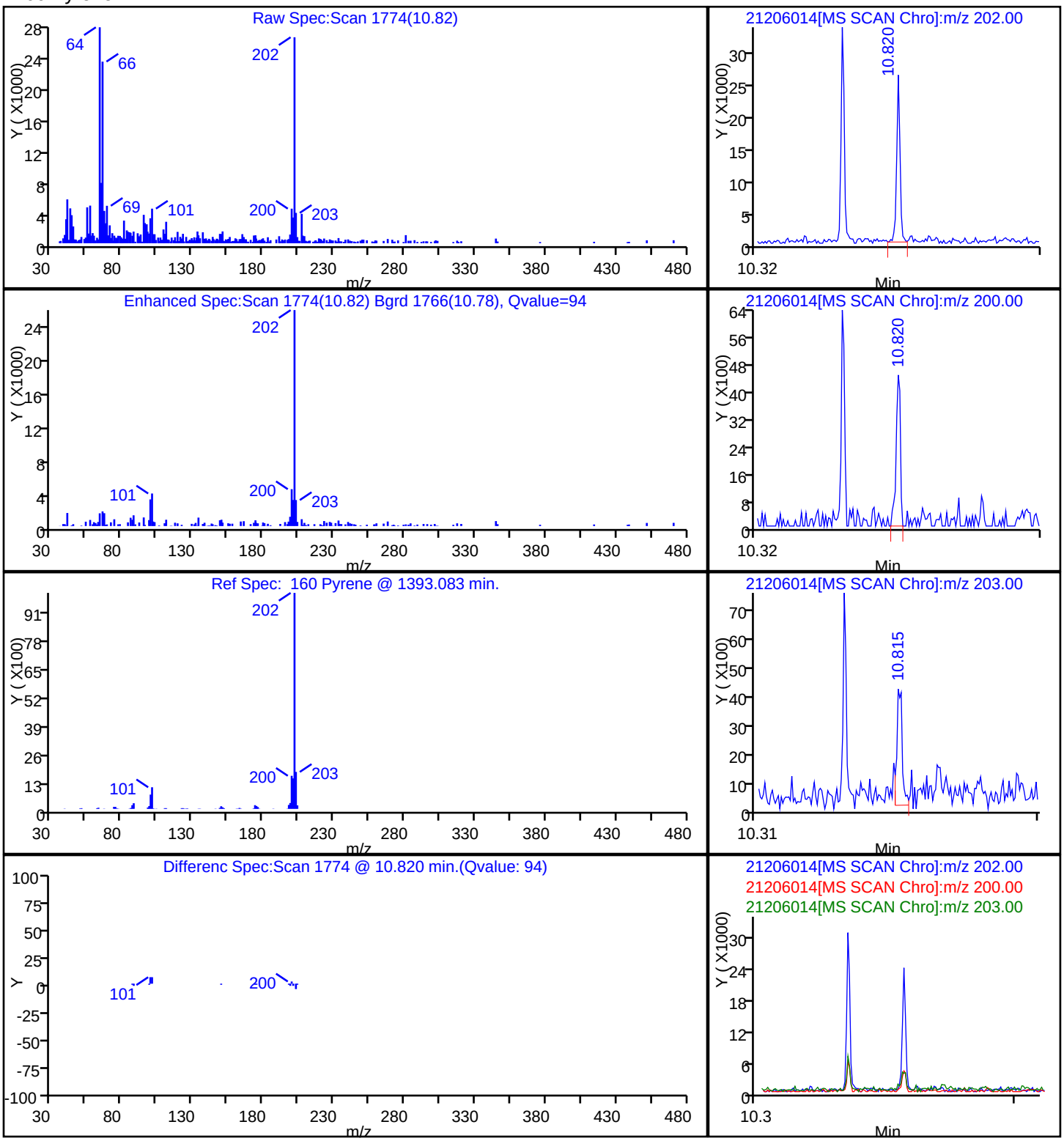
Report Date: 07-Dec-2012 12:54:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206014.D

Injection Date:	06-Dec-2012 14:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0068M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



Manual Integration/User Assign Peak Report

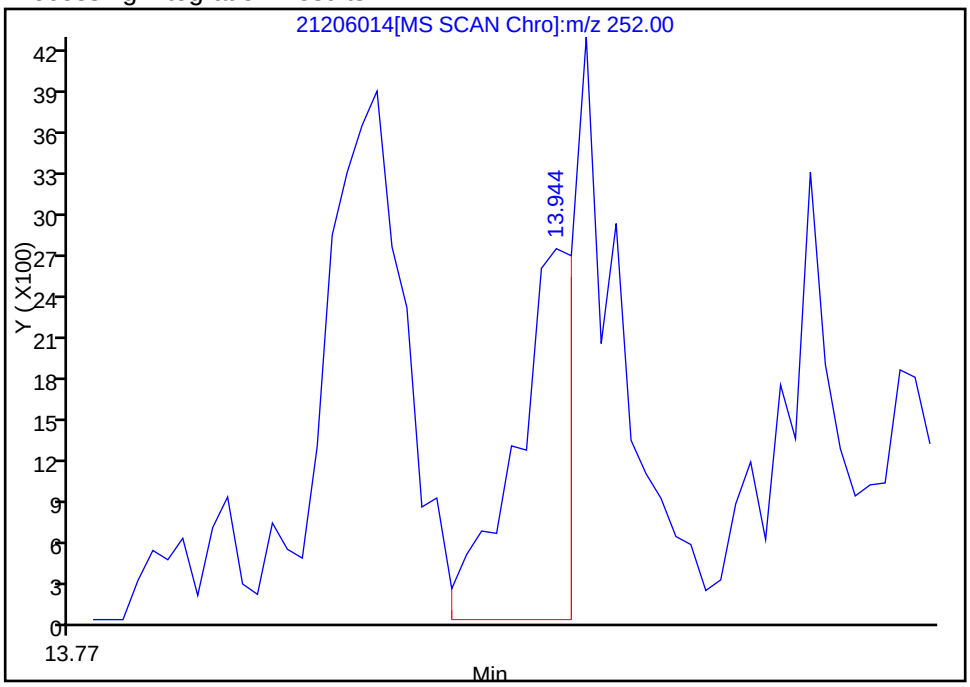
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206014.D		
Injection Date:	06-Dec-2012 14:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0068M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.95

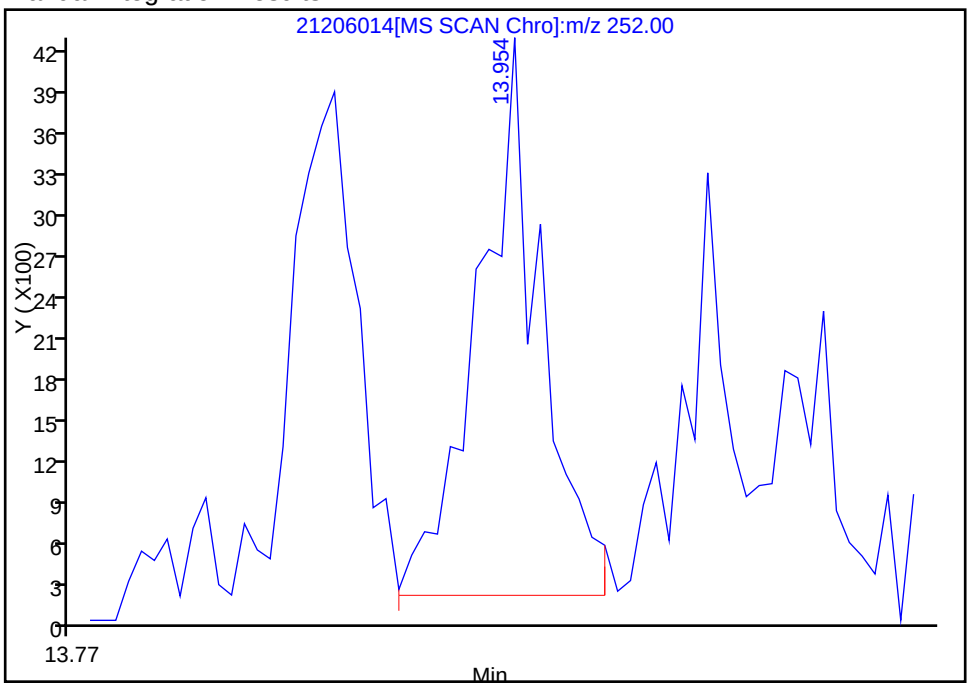
Processing Integration Results

RT: 13.94
Response: 3993
Amount: 0.130738



Manual Integration Results

RT: 13.95
Response: 7360
Amount: 0.145994



Reviewer: gruberj, 06-Dec-2012 14:44:55
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0069M-0001-SO | Lab Sample ID: 240-17810-2

Matrix: Solid | Lab File ID: 21206021.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.26(g) | Date Analyzed: 12/06/2012 16:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	8.2	U	17	8.2	8.2
208-96-8	Acenaphthylene	8.2	U	17	8.2	8.2
120-12-7	Anthracene	8.2	U	17	8.2	8.2
56-55-3	Benzo[a]anthracene	8.2	U	17	8.2	8.2
50-32-8	Benzo[a]pyrene	8.2	U	17	8.2	8.2
205-99-2	Benzo[b]fluoranthene	8.2	U	17	8.2	8.2
191-24-2	Benzo[g,h,i]perylene	8.2	U	17	8.2	8.2
65-85-0	Benzoic acid	830	U	1600	830	830
207-08-9	Benzo[k]fluoranthene	8.2	U	17	8.2	8.2
100-51-6	Benzyl alcohol	67	U	820	67	52
111-91-1	Bis(2-chloroethoxy)methane	67	U	250	67	55
111-44-4	Bis(2-chloroethyl)ether	8.2	U	250	8.2	5.0
108-60-1	bis (2-chloroisopropyl) ether	67	U	250	67	24
117-81-7	Bis(2-ethylhexyl) phthalate	67	U	120	67	47
101-55-3	4-Bromophenyl phenyl ether	67	U	120	67	32
85-68-7	Butyl benzyl phthalate	67	U	120	67	25
86-74-8	Carbazole	67	U	120	67	67
106-47-8	4-Chloroaniline	67	U	370	67	42
59-50-7	4-Chloro-3-methylphenol	67	U	370	67	52
91-58-7	2-Chloronaphthalene	8.2	U	120	8.2	8.2
95-57-8	2-Chlorophenol	67	U	120	67	67
7005-72-3	4-Chlorophenyl phenyl ether	67	U	120	67	32
218-01-9	Chrysene	8.2	U	17	8.2	2.7
53-70-3	Dibenz(a,h)anthracene	8.2	U	17	8.2	8.2
132-64-9	Dibenzofuran	8.2	U	120	8.2	8.2
95-50-1	1,2-Dichlorobenzene	67	U	120	67	24
541-73-1	1,3-Dichlorobenzene	67	U	120	67	27
106-46-7	1,4-Dichlorobenzene	67	U	120	67	50
91-94-1	3,3'-Dichlorobenzidine	200	U	250	200	45
120-83-2	2,4-Dichlorophenol	67	U	370	67	50
84-66-2	Diethyl phthalate	67	U	120	67	40
105-67-9	2,4-Dimethylphenol	200	U	370	200	50
131-11-3	Dimethyl phthalate	67	U	120	67	42
84-74-2	Di-n-butyl phthalate	67	U	120	67	37

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0069M-0001-SO | Lab Sample ID: 240-17810-2

Matrix: Solid | Lab File ID: 21206021.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.26(g) | Date Analyzed: 12/06/2012 16:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	200	U	370	200	200
51-28-5	2,4-Dinitrophenol	200	U	820	200	200
121-14-2	2,4-Dinitrotoluene	67	U	500	67	67
606-20-2	2,6-Dinitrotoluene	67	U	500	67	52
117-84-0	Di-n-octyl phthalate	67	U	120	67	67
206-44-0	Fluoranthene	13	J	17	8.2	8.2
86-73-7	Fluorene	8.2	U	17	8.2	8.2
118-74-1	Hexachlorobenzene	8.2	U	17	8.2	5.2
87-68-3	Hexachlorobutadiene	67	U	120	67	67
77-47-4	Hexachlorocyclopentadiene	67	U	820	67	67
67-72-1	Hexachloroethane	67	U	120	67	22
193-39-5	Indeno[1,2,3-cd]pyrene	8.2	U	17	8.2	8.2
78-59-1	Isophorone	67	U	120	67	32
91-57-6	2-Methylnaphthalene	11	J	17	8.2	8.2
95-48-7	2-Methylphenol	200	U	500	200	200
15831-10-4	3 & 4 Methylphenol	200	U	990	200	50
91-20-3	Naphthalene	9.7	J	17	8.2	8.2
88-74-4	2-Nitroaniline	67	U	500	67	23
99-09-2	3-Nitroaniline	200	U	500	200	40
100-01-6	4-Nitroaniline	67	U	500	67	64
98-95-3	Nitrobenzene	8.2	U	250	8.2	5.5
88-75-5	2-Nitrophenol	67	U	120	67	67
100-02-7	4-Nitrophenol	200	U	820	200	200
621-64-7	N-Nitrosodi-n-propylamine	67	U	120	67	67
86-30-6	N-Nitrosodiphenylamine	67	U	120	67	52
87-86-5	Pentachlorophenol	200	U	370	200	200
85-01-8	Phenanthrene	27		17	8.2	8.2
108-95-2	Phenol	67	U	120	67	67
129-00-0	Pyrene	9.9	J	17	8.2	8.2
120-82-1	1,2,4-Trichlorobenzene	67	U	120	67	67
95-95-4	2,4,5-Trichlorophenol	67	U	370	67	62
88-06-2	2,4,6-Trichlorophenol	200	U	370	200	200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0069M-0001-SO | Lab Sample ID: 240-17810-2

Matrix: Solid | Lab File ID: 21206021.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.26(g) | Date Analyzed: 12/06/2012 16:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	66		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	74		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	69		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206021.D		
Lims ID:	240-17810-E-2-B	Client ID:	076SB-0069M-0001-SO
Inject. Date:	06-Dec-2012 16:43:30	Dil. Factor:	2.5000
Sample Type:	Client		
Sample ID:	240-0015580-021		
Misc. Info.:	240-17810-e-2-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	67544	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m		
Last Update:	07-Dec-2012 12:54:13	Calib Date:	14-Nov-2012 18:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK034		

First Level Reviewer: gruberj Date: 07-Dec-2012 10:35:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.750	5.733	0.017	96	187770	4.00	
* 2 Naphthalene-d8	136	6.862	6.857	0.005	99	734934	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	88	443993	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	98	764132	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	97	811771	4.00	
* 6 Perylene-d12	264	14.035	14.035	0.0	93	698954	4.00	
$ 7 2-Fluorophenol	112	4.637	4.434	0.203	91	234497	4.04	
$ 8 Phenol-d5	99	5.413	5.380	0.033	90	321612	4.36	
$ 9 Nitrobenzene-d5	82	6.236	6.226	0.010	88	169620	2.63	
$ 10 2-Fluorobiphenyl (Surr)	172	7.771	7.766	0.005	98	366694	2.55	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	86	76528	4.17	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	97	444093	2.95	
41 Phenol	94		5.391					9
44 Bis(2-chloroethyl)ether	93		5.487					9
46 2-Chlorophenol	128		5.536					9
47 1,3-Dichlorobenzene	146		5.680					9
48 1,4-Dichlorobenzene	146		5.750					9
49 Benzyl alcohol	108		5.851					9
50 1,2-Dichlorobenzene	146		5.883					
51 2-Methylphenol	108		5.947					9
52 2,2'-oxybis[1-chloropropane]	45		5.974					9
191 3 & 4 Methylphenol	108		6.081					
56 N-Nitrosodi-n-propylamine	70		6.086					9
60 Hexachloroethane	117		6.188					9
61 Nitrobenzene	77		6.242					9
63 Isophorone	82		6.450					9
65 2-Nitrophenol	139		6.520					9
64 2,4-Dimethylphenol	107		6.546					9
69 Benzoic acid	122		6.616					9
68 Bis(2-chloroethoxy)methane	93		6.632					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.728					
72 1,2,4-Trichlorobenzene	180		6.803					
73 Naphthalene	128	6.878	6.873	0.005	52	10731	0.0584	
74 4-Chloroaniline	127		6.916					9
77 Hexachlorobutadiene	225		6.974					
84 4-Chloro-3-methylphenol	107		7.311					9
85 2-Methylnaphthalene	142	7.466	7.466	0.0	71	7723	0.0657	
88 Hexachlorocyclopentadiene	237		7.595					
90 2,4,6-Trichlorophenol	196		7.696					9
91 2,4,5-Trichlorophenol	196		7.729					9
98 2-Chloronaphthalene	162		7.878					9
100 2-Nitroaniline	65		7.959					
103 Dimethyl phthalate	163		8.098					9
105 2,6-Dinitrotoluene	165		8.156					
107 Acenaphthylene	152		8.231					9
108 3-Nitroaniline	138		8.301					
110 Acenaphthene	153		8.376					9
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					
112 2,4-Dinitrotoluene	165		8.493					9
114 Dibenzofuran	168		8.520					
119 Diethyl phthalate	149		8.686					
121 4-Chlorophenyl phenyl ether	204		8.798					
124 Fluorene	166		8.809					
123 4-Nitroaniline	138		8.814					
126 4,6-Dinitro-2-methylphenol	198		8.836					9
130 N-Nitrosodiphenylamine	169		8.895					
137 4-Bromophenyl phenyl ether	248		9.210					9
139 Hexachlorobenzene	284		9.274					
141 Pentachlorophenol	266		9.435					9
146 Phenanthrene	178	9.622	9.622	0.0	86	33834	0.1621	
147 Anthracene	178		9.665					
149 Carbazole	167		9.793					
151 Di-n-butyl phthalate	149		10.055					
157 Fluoranthene	202	10.622	10.622	0.0	76	17743	0.0770	
160 Pyrene	202	10.820	10.820	0.0	87	15574	0.0601	
166 Butyl benzyl phthalate	149		11.387					
173 3,3'-Dichlorobenzidine	252		11.997					9
171 Bis(2-ethylhexyl) phthalate	149		12.018					
175 Benzo[a]anthracene	228		12.040					
176 Chrysene	228		12.088					
178 Di-n-octyl phthalate	149		12.879					
180 Benzo[b]fluoranthene	252		13.473					
181 Benzo[k]fluoranthene	252		13.510					
182 Benzo[a]pyrene	252		13.954					
186 Indeno[1,2,3-cd]pyrene	276		15.628					
187 Dibenz(a,h)anthracene	278		15.650					9
188 Benzo[g,h,i]perylene	276		16.030					

QC Flag Legend

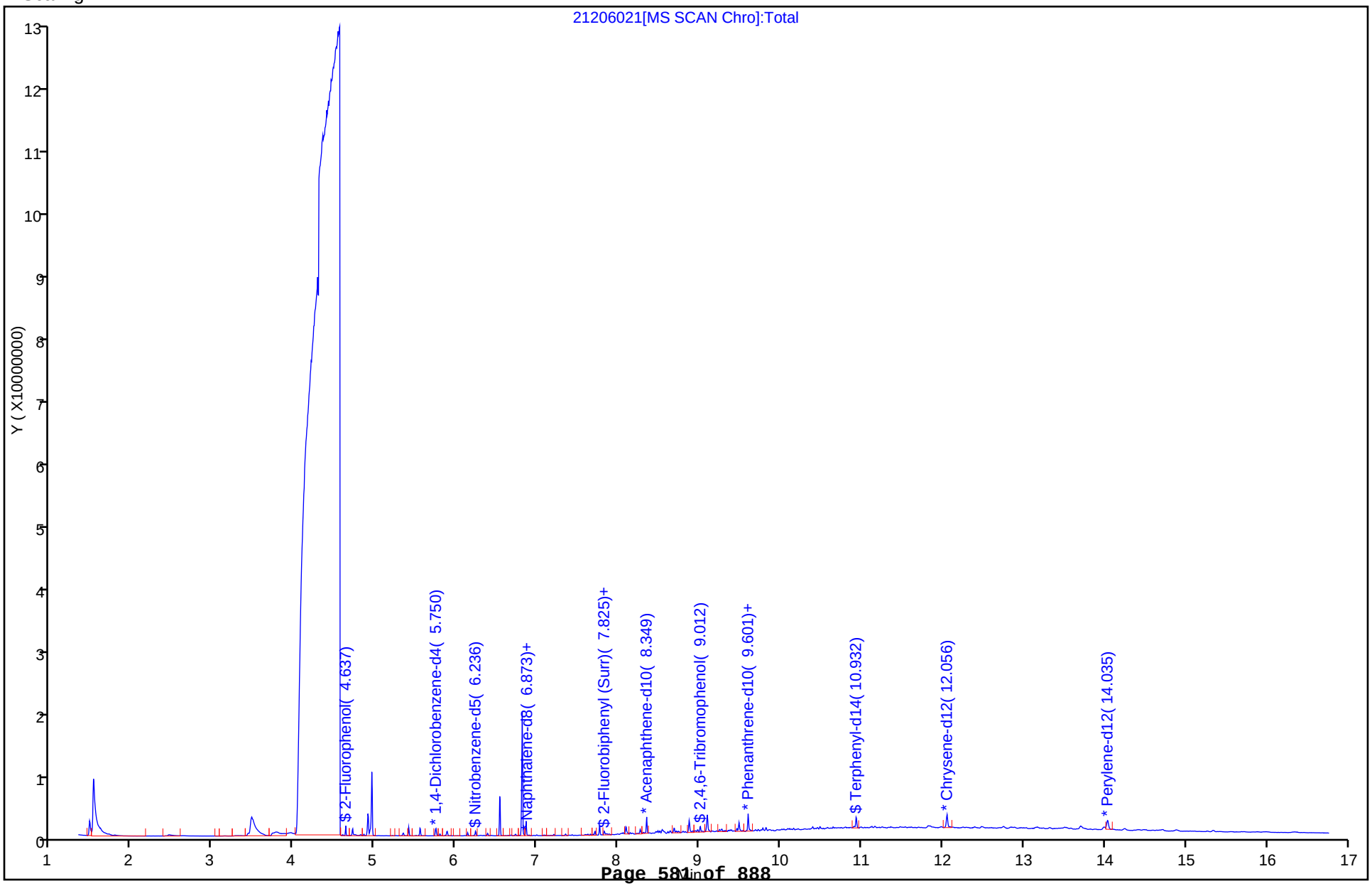
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 07-Dec-2012 12:54:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206021.D		
Injection Date:	06-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0069M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

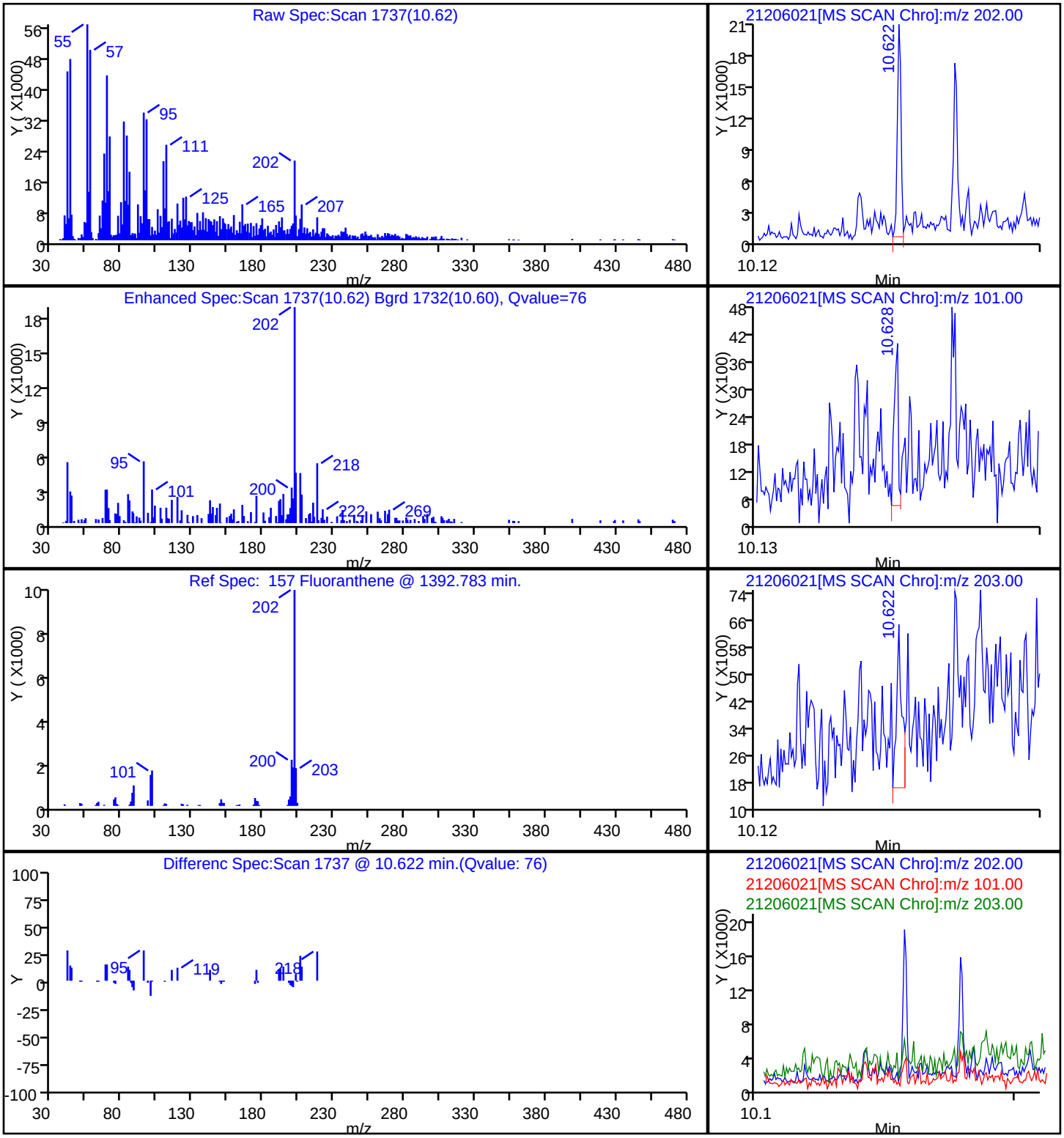


Report Date: 07-Dec-2012 12:54:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206021.D		
Injection Date:	06-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0069M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



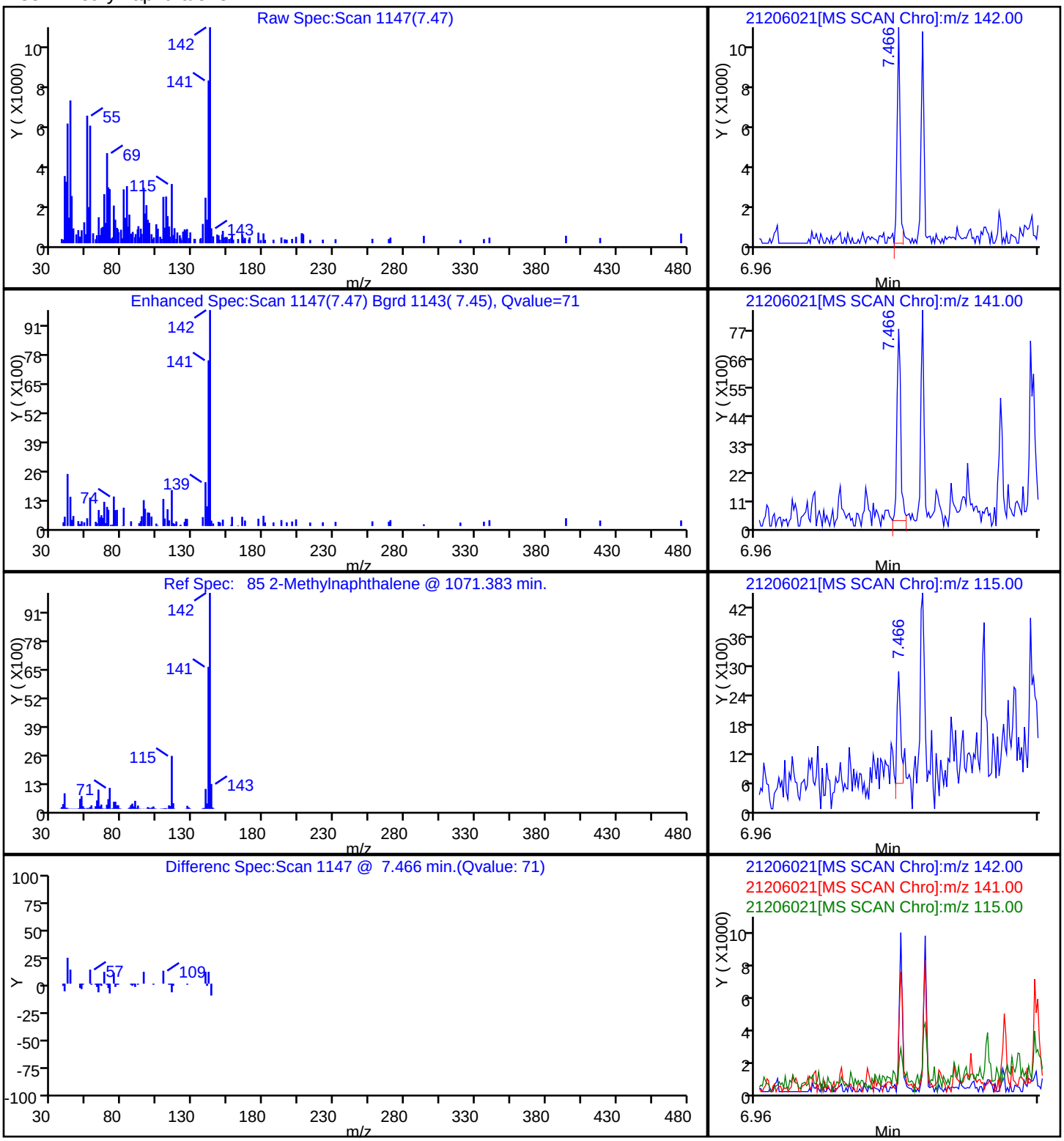
Report Date: 07-Dec-2012 12:54:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206021.D

Injection Date:	06-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0069M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



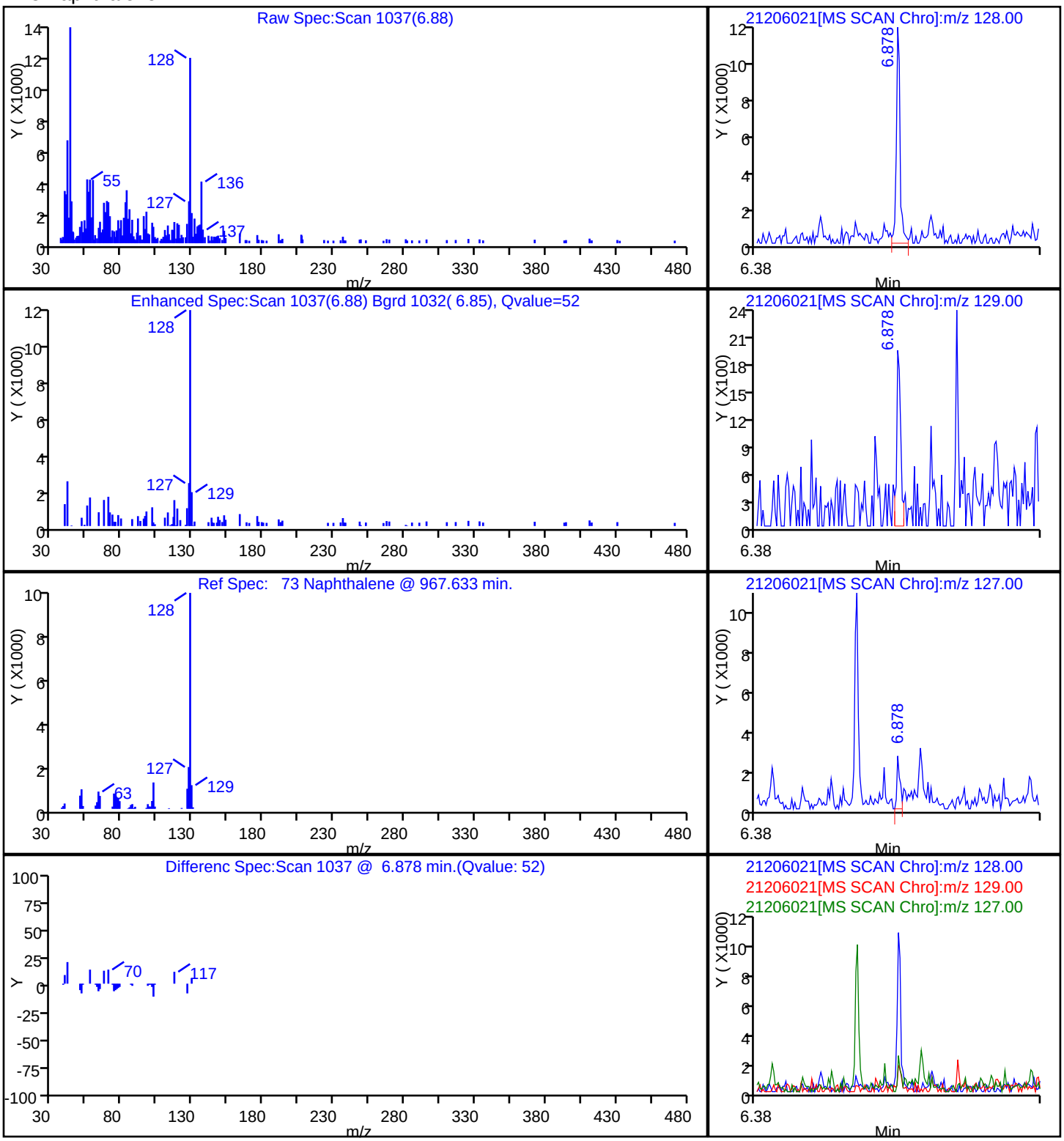
Report Date: 07-Dec-2012 12:54:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206021.D

Injection Date:	06-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0069M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



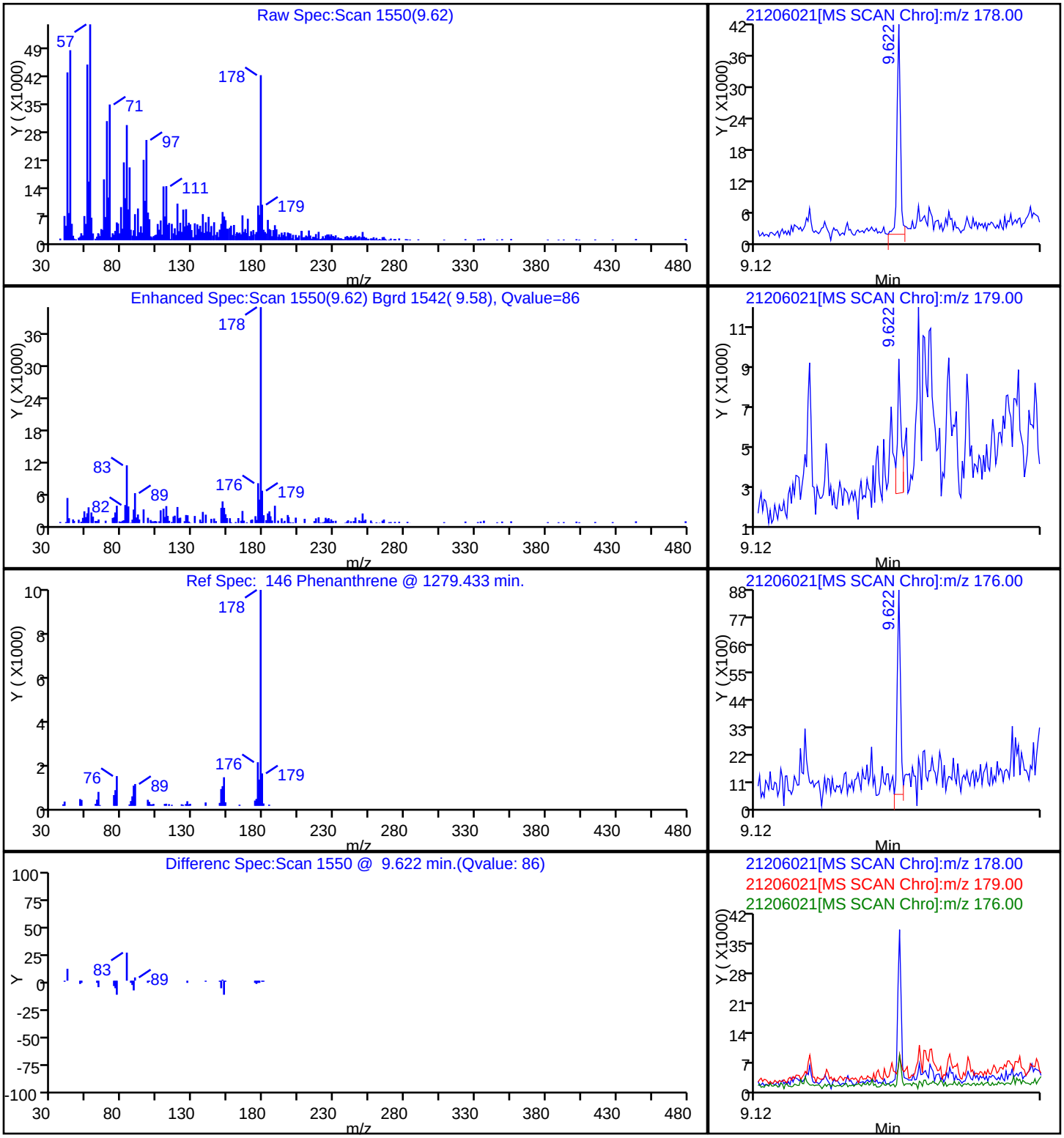
Report Date: 07-Dec-2012 12:54:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206021.D

Injection Date:	06-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0069M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene

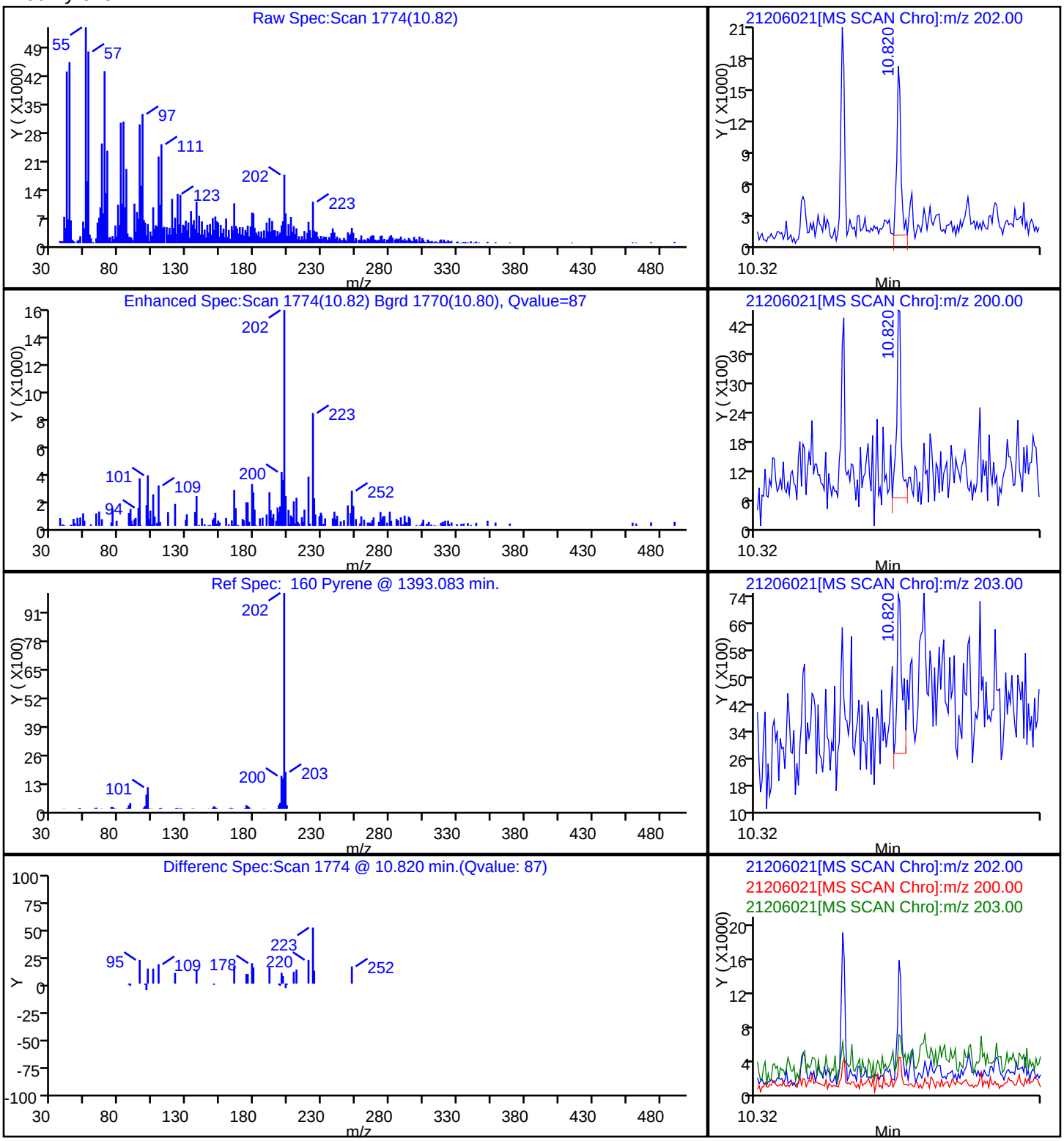


Report Date: 07-Dec-2012 12:54:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206021.D		
Injection Date:	06-Dec-2012 16:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0069M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0070M-0001-SO | Lab Sample ID: 240-17810-3

Matrix: Solid | Lab File ID: 21206015.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.95(g) | Date Analyzed: 12/06/2012 14:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	67	33	33
208-96-8	Acenaphthylene	33	U	67	33	33
120-12-7	Anthracene	33	U	67	33	33
56-55-3	Benzo[a]anthracene	33	U	67	33	33
50-32-8	Benzo[a]pyrene	33	U	67	33	33
205-99-2	Benzo[b]fluoranthene	33	U	67	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	67	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	95
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	500	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	500	270	130
85-68-7	Butyl benzyl phthalate	270	U	500	270	100
86-74-8	Carbazole	270	U	500	270	270
106-47-8	4-Chloroaniline	270	U	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	500	33	33
95-57-8	2-Chlorophenol	270	U	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	500	270	130
218-01-9	Chrysene	33	U	67	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	67	33	33
132-64-9	Dibenzofuran	33	U	500	33	33
95-50-1	1,2-Dichlorobenzene	270	U	500	270	97
541-73-1	1,3-Dichlorobenzene	270	U	500	270	110
106-46-7	1,4-Dichlorobenzene	270	U	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U	1000	800	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	500	270	160
105-67-9	2,4-Dimethylphenol	800	U	1500	800	200
131-11-3	Dimethyl phthalate	270	U	500	270	170
84-74-2	Di-n-butyl phthalate	270	U	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0070M-0001-SO | Lab Sample ID: 240-17810-3

Matrix: Solid | Lab File ID: 21206015.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.95(g) | Date Analyzed: 12/06/2012 14:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	800	U	3300	800	800
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	500	270	270
206-44-0	Fluoranthene	38	J D	67	33	33
86-73-7	Fluorene	33	U	67	33	33
118-74-1	Hexachlorobenzene	33	U	67	33	21
87-68-3	Hexachlorobutadiene	270	U	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	500	270	90
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	67	33	33
78-59-1	Isophorone	270	U	500	270	130
91-57-6	2-Methylnaphthalene	33	U	67	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	800	U	4000	800	200
91-20-3	Naphthalene	33	U	67	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	91
99-09-2	3-Nitroaniline	800	U	2000	800	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	270	U	500	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	33	U	67	33	33
108-95-2	Phenol	270	U	500	270	270
129-00-0	Pyrene	33	J D	67	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	500	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0070M-0001-SO | Lab Sample ID: 240-17810-3

Matrix: Solid | Lab File ID: 21206015.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.95(g) | Date Analyzed: 12/06/2012 14:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	64		35-100
4165-62-2	Phenol-d5 (Surr)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	71		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	58		35-125

Report Date: 07-Dec-2012 12:54:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206015.D
Lims ID: 240-17810-E-3-B Client ID: 076SB-0070M-0001-SO
Inject. Date: 06-Dec-2012 14:23:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015580-015
Misc. Info.: 240-17810-e-3-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 67544 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj Date: 06-Dec-2012 14:44:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.733	5.733	0.0	96	199496	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	100	755325	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	448080	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	97	814469	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	98	827854	4.00	
* 6 Perylene-d12	264	14.034	14.035	-0.001	96	721123	4.00	
$ 7 2-Fluorophenol	112	4.498	4.434	0.064	91	62235	1.01	
$ 8 Phenol-d5	99	5.391	5.380	0.011	89	78913	1.01	
$ 9 Nitrobenzene-d5	82	6.231	6.226	0.005	85	42499	0.6400	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	93869	0.6457	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	71	16075	0.8672	
$ 12 Terphenyl-d14	244	10.938	10.932	0.006	89	108809	0.7097	
41 Phenol	94		5.391					9
44 Bis(2-chloroethyl)ether	93		5.487					
46 2-Chlorophenol	128		5.536					
47 1,3-Dichlorobenzene	146		5.680					
48 1,4-Dichlorobenzene	146		5.750					
49 Benzyl alcohol	108		5.851					
50 1,2-Dichlorobenzene	146		5.883					
51 2-Methylphenol	108		5.947					
52 2,2'-oxybis[1-chloropropane]	45		5.974					9
191 3 & 4 Methylphenol	108		6.081					
56 N-Nitrosodi-n-propylamine	70		6.086					9
60 Hexachloroethane	117		6.188					
61 Nitrobenzene	77		6.242					9
63 Isophorone	82		6.450					9
65 2-Nitrophenol	139		6.520					
64 2,4-Dimethylphenol	107		6.546					
69 Benzoic acid	122		6.616					9
68 Bis(2-chloroethoxy)methane	93		6.632					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.728					
72 1,2,4-Trichlorobenzene	180		6.803					
73 Naphthalene	128		6.873					9
74 4-Chloroaniline	127		6.916					9
77 Hexachlorobutadiene	225		6.974					
84 4-Chloro-3-methylphenol	107		7.311					
85 2-Methylnaphthalene	142		7.466					
88 Hexachlorocyclopentadiene	237		7.595					
90 2,4,6-Trichlorophenol	196		7.696					
91 2,4,5-Trichlorophenol	196		7.729					9
98 2-Chloronaphthalene	162		7.878					9
100 2-Nitroaniline	65		7.959					9
103 Dimethyl phthalate	163		8.098					9
105 2,6-Dinitrotoluene	165		8.156					
107 Acenaphthylene	152		8.231					
108 3-Nitroaniline	138		8.301					
110 Acenaphthene	153		8.376					
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					9
112 2,4-Dinitrotoluene	165		8.493					
114 Dibenzofuran	168		8.520					9
119 Diethyl phthalate	149		8.686					9
121 4-Chlorophenyl phenyl ether	204		8.798					9
124 Fluorene	166		8.809					9
123 4-Nitroaniline	138		8.814					
126 4,6-Dinitro-2-methylphenol	198		8.836					
130 N-Nitrosodiphenylamine	169		8.895					
137 4-Bromophenyl phenyl ether	248		9.210					9
139 Hexachlorobenzene	284		9.274					
141 Pentachlorophenol	266		9.435					9
146 Phenanthrene	178		9.622					9
147 Anthracene	178		9.665					
149 Carbazole	167		9.793					
151 Di-n-butyl phthalate	149		10.055					
157 Fluoranthene	202	10.627	10.622	0.005	68	13940	0.0567	
160 Pyrene	202	10.820	10.820	0.0	88	12938	0.0490	
166 Butyl benzyl phthalate	149		11.387					
173 3,3'-Dichlorobenzidine	252		11.997					
171 Bis(2-ethylhexyl) phthalate	149		12.018					
175 Benzo[a]anthracene	228		12.040					9
176 Chrysene	228		12.088					
178 Di-n-octyl phthalate	149		12.879					
180 Benzo[b]fluoranthene	252		13.473					
181 Benzo[k]fluoranthene	252		13.510					
182 Benzo[a]pyrene	252		13.954					
186 Indeno[1,2,3-cd]pyrene	276		15.628					
187 Dibenz(a,h)anthracene	278		15.650					9
188 Benzo[g,h,i]perylene	276		16.030					9

QC Flag Legend

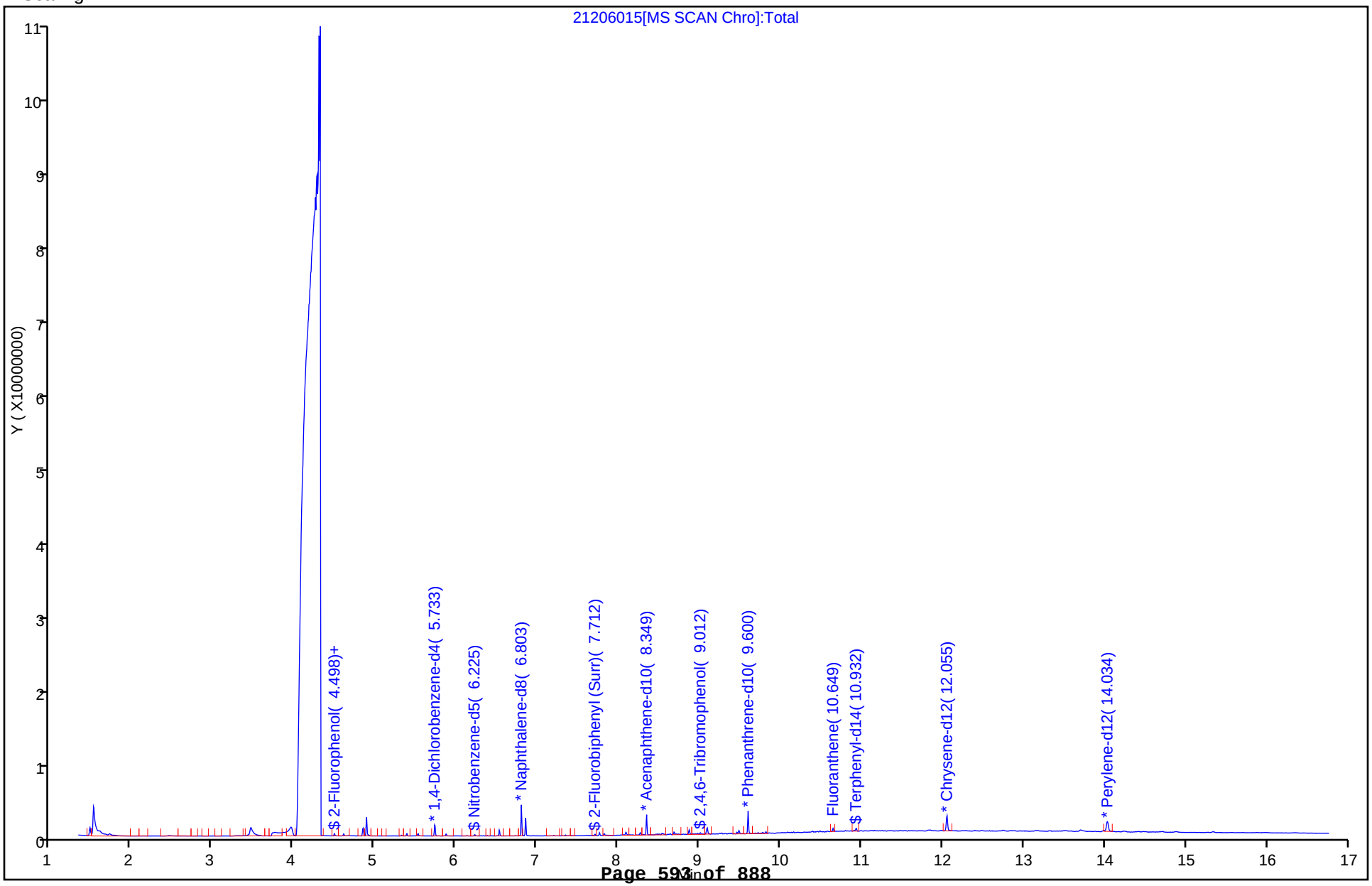
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 07-Dec-2012 12:54:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206015.D		
Injection Date:	06-Dec-2012 14:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0070M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

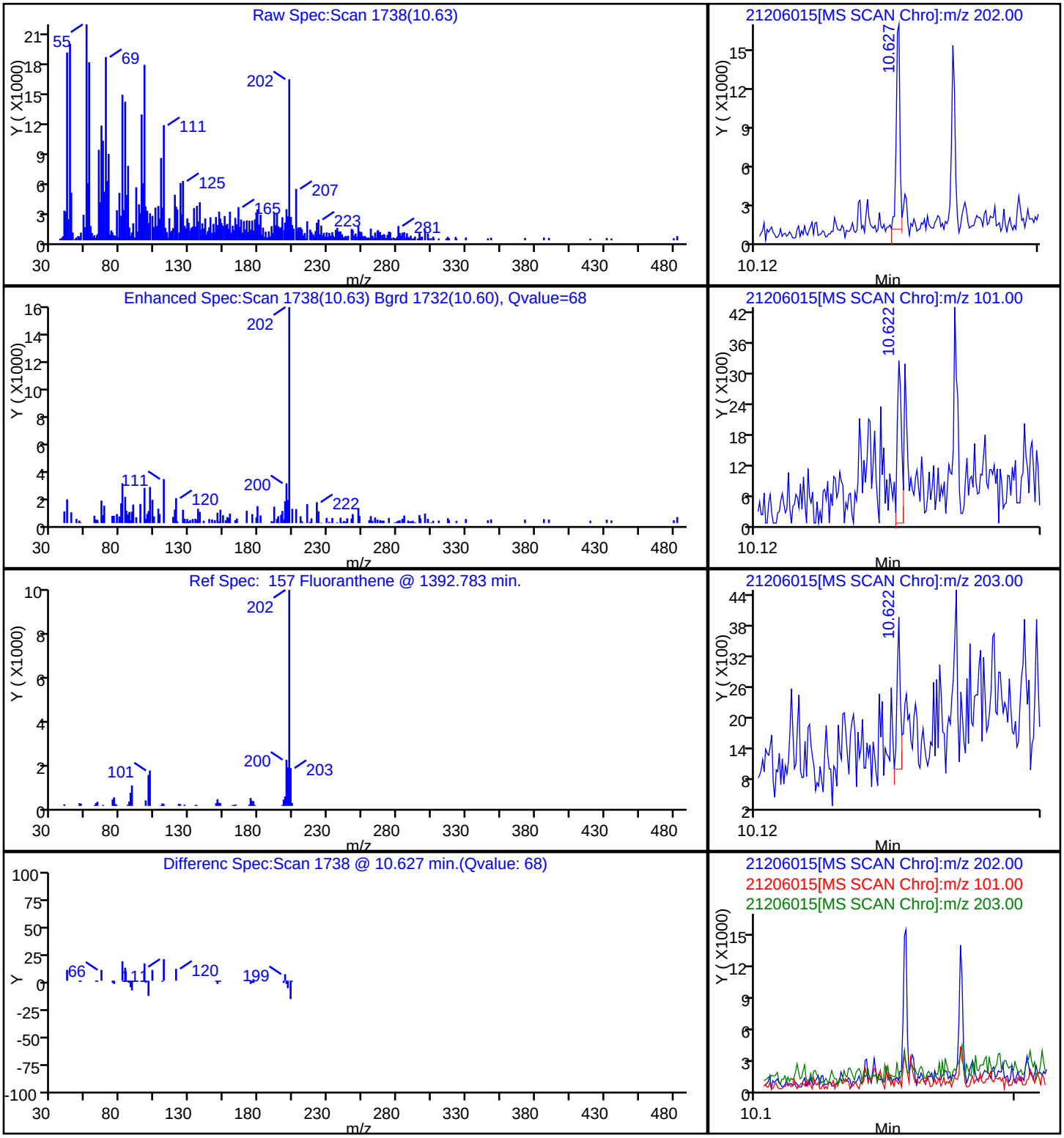


Report Date: 07-Dec-2012 12:54:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206015.D		
Injection Date:	06-Dec-2012 14:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0070M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



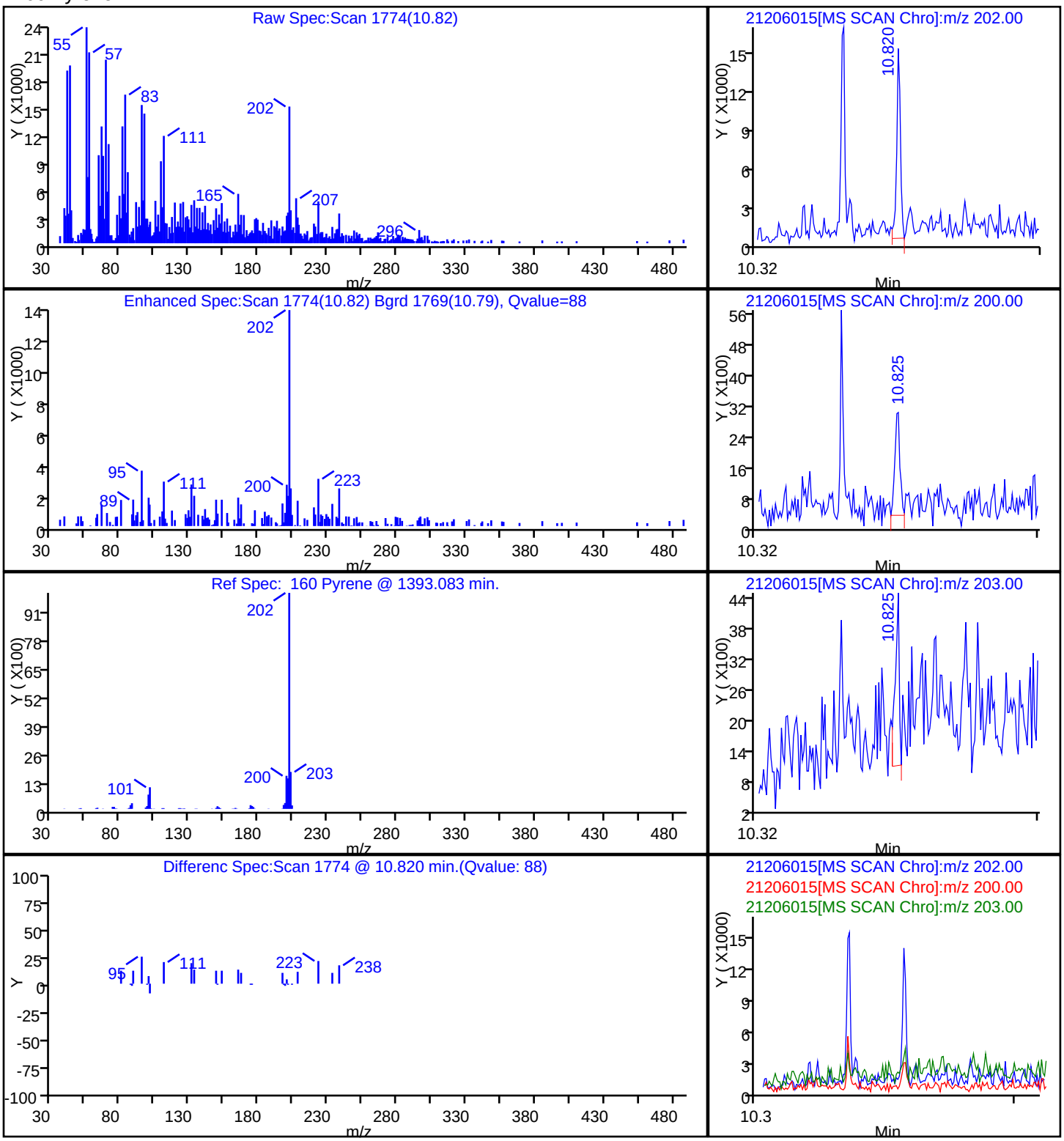
Report Date: 07-Dec-2012 12:54:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206015.D

Injection Date:	06-Dec-2012 14:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0070M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0071M-0001-SO | Lab Sample ID: 240-17810-4

Matrix: Solid | Lab File ID: 21206022.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:15

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.63(g) | Date Analyzed: 12/06/2012 17:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	8.4	U	17	8.4	8.4
208-96-8	Acenaphthylene	8.4	U	17	8.4	8.4
120-12-7	Anthracene	8.4	U	17	8.4	8.4
56-55-3	Benzo[a]anthracene	8.4	U	17	8.4	8.4
50-32-8	Benzo[a]pyrene	8.4	U	17	8.4	8.4
205-99-2	Benzo[b]fluoranthene	8.4	U	17	8.4	8.4
191-24-2	Benzo[g,h,i]perylene	8.4	U	17	8.4	8.4
65-85-0	Benzoic acid	840	U	1700	840	840
207-08-9	Benzo[k]fluoranthene	8.4	U	17	8.4	8.4
100-51-6	Benzyl alcohol	68	U	840	68	53
111-91-1	Bis(2-chloroethoxy)methane	68	U	250	68	56
111-44-4	Bis(2-chloroethyl)ether	8.4	U	250	8.4	5.1
108-60-1	bis (2-chloroisopropyl) ether	68	U	250	68	24
117-81-7	Bis(2-ethylhexyl) phthalate	49	J	130	68	48
101-55-3	4-Bromophenyl phenyl ether	68	U	130	68	33
85-68-7	Butyl benzyl phthalate	68	U	130	68	25
86-74-8	Carbazole	68	U	130	68	68
106-47-8	4-Chloroaniline	68	U	380	68	43
59-50-7	4-Chloro-3-methylphenol	68	U	380	68	53
91-58-7	2-Chloronaphthalene	8.4	U	130	8.4	8.4
95-57-8	2-Chlorophenol	68	U	130	68	68
7005-72-3	4-Chlorophenyl phenyl ether	68	U	130	68	33
218-01-9	Chrysene	8.4	U	17	8.4	2.8
53-70-3	Dibenz(a,h)anthracene	8.4	U	17	8.4	8.4
132-64-9	Dibenzofuran	8.4	U	130	8.4	8.4
95-50-1	1,2-Dichlorobenzene	68	U	130	68	25
541-73-1	1,3-Dichlorobenzene	68	U	130	68	28
106-46-7	1,4-Dichlorobenzene	68	U	130	68	51
91-94-1	3,3'-Dichlorobenzidine	200	U	250	200	46
120-83-2	2,4-Dichlorophenol	68	U	380	68	51
84-66-2	Diethyl phthalate	68	U	130	68	40
105-67-9	2,4-Dimethylphenol	200	U	380	200	51
131-11-3	Dimethyl phthalate	68	U	130	68	43
84-74-2	Di-n-butyl phthalate	68	U	130	68	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0071M-0001-SO | Lab Sample ID: 240-17810-4

Matrix: Solid | Lab File ID: 21206022.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:15

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.63(g) | Date Analyzed: 12/06/2012 17:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	200	U	380	200	200
51-28-5	2,4-Dinitrophenol	200	U	840	200	200
121-14-2	2,4-Dinitrotoluene	68	U	510	68	68
606-20-2	2,6-Dinitrotoluene	68	U	510	68	53
117-84-0	Di-n-octyl phthalate	68	U	130	68	68
206-44-0	Fluoranthene	8.4	U	17	8.4	8.4
86-73-7	Fluorene	8.4	U	17	8.4	8.4
118-74-1	Hexachlorobenzene	8.4	U	17	8.4	5.3
87-68-3	Hexachlorobutadiene	68	U	130	68	68
77-47-4	Hexachlorocyclopentadiene	68	U	840	68	68
67-72-1	Hexachloroethane	68	U	130	68	23
193-39-5	Indeno[1,2,3-cd]pyrene	8.4	U	17	8.4	8.4
78-59-1	Isophorone	68	U	130	68	33
91-57-6	2-Methylnaphthalene	8.4	U	17	8.4	8.4
95-48-7	2-Methylphenol	200	U	510	200	200
15831-10-4	3 & 4 Methylphenol	200	U	1000	200	51
91-20-3	Naphthalene	8.4	U	17	8.4	8.4
88-74-4	2-Nitroaniline	68	U	510	68	23
99-09-2	3-Nitroaniline	200	U	510	200	40
100-01-6	4-Nitroaniline	68	U	510	68	66
98-95-3	Nitrobenzene	8.4	U	250	8.4	5.6
88-75-5	2-Nitrophenol	68	U	130	68	68
100-02-7	4-Nitrophenol	200	U	840	200	200
621-64-7	N-Nitrosodi-n-propylamine	68	U	130	68	68
86-30-6	N-Nitrosodiphenylamine	68	U	130	68	53
87-86-5	Pentachlorophenol	200	U	380	200	200
85-01-8	Phenanthrene	8.5	J	17	8.4	8.4
108-95-2	Phenol	68	U	130	68	68
129-00-0	Pyrene	8.4	U	17	8.4	8.4
120-82-1	1,2,4-Trichlorobenzene	68	U	130	68	68
95-95-4	2,4,5-Trichlorophenol	68	U	380	68	63
88-06-2	2,4,6-Trichlorophenol	200	U	380	200	200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0071M-0001-SO | Lab Sample ID: 240-17810-4

Matrix: Solid | Lab File ID: 21206022.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:15

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.63(g) | Date Analyzed: 12/06/2012 17:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	64		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	66		35-100
4165-62-2	Phenol-d5 (Surr)	71		40-100
1718-51-0	Terphenyl-d14 (Surr)	73		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	71		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206022.D
Lims ID: 240-17810-E-4-B
Client ID: 076SB-0071M-0001-SO
Inject. Date: 06-Dec-2012 17:06:30
Dil. Factor: 2.5000
Sample Type: Client
Sample ID: 240-0015580-022
Misc. Info.: 240-17810-e-4-b
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 22
Lims Batch ID: 67544
Lims Sample ID: 22
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj
Date: 07-Dec-2012 10:36:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.749	5.733	0.016	96	188175	4.00	
* 2 Naphthalene-d8	136	6.862	6.857	0.005	99	726906	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	424350	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	-0.001	98	740268	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	98	777345	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	98	691459	4.00	
$ 7 2-Fluorophenol	112	4.658	4.434	0.224	89	224728	3.86	
$ 8 Phenol-d5	99	5.418	5.380	0.038	96	313256	4.24	
$ 9 Nitrobenzene-d5	82	6.242	6.226	0.016	88	168017	2.63	
$ 10 2-Fluorobiphenyl (Surr)	172	7.771	7.766	0.005	98	359699	2.61	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	90	74400	4.24	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	99	420415	2.92	
41 Phenol	94		5.391					9
44 Bis(2-chloroethyl)ether	93		5.487					9
46 2-Chlorophenol	128		5.536					
47 1,3-Dichlorobenzene	146		5.680					9
48 1,4-Dichlorobenzene	146		5.750					9
49 Benzyl alcohol	108		5.851					9
50 1,2-Dichlorobenzene	146		5.883					
51 2-Methylphenol	108		5.947					9
52 2,2'-oxybis[1-chloropropane]	45		5.974					
191 3 & 4 Methylphenol	108		6.081					
56 N-Nitrosodi-n-propylamine	70		6.086					9
60 Hexachloroethane	117		6.188					9
61 Nitrobenzene	77		6.242					
63 Isophorone	82		6.450					9
65 2-Nitrophenol	139		6.520					9
64 2,4-Dimethylphenol	107		6.546					9
69 Benzoic acid	122		6.616					9
68 Bis(2-chloroethoxy)methane	93		6.632					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.728					
72 1,2,4-Trichlorobenzene	180		6.803					
73 Naphthalene	128		6.873					9
74 4-Chloroaniline	127		6.916					
77 Hexachlorobutadiene	225		6.974					
84 4-Chloro-3-methylphenol	107		7.311					
85 2-Methylnaphthalene	142		7.466					9
88 Hexachlorocyclopentadiene	237		7.595					
90 2,4,6-Trichlorophenol	196		7.696					
91 2,4,5-Trichlorophenol	196		7.729					
98 2-Chloronaphthalene	162		7.878					
100 2-Nitroaniline	65		7.959					9
103 Dimethyl phthalate	163		8.098					9
105 2,6-Dinitrotoluene	165		8.156					
107 Acenaphthylene	152		8.231					9
108 3-Nitroaniline	138		8.301					
110 Acenaphthene	153		8.376					
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					
112 2,4-Dinitrotoluene	165		8.493					9
114 Dibenzofuran	168		8.520					9
119 Diethyl phthalate	149		8.686					9
121 4-Chlorophenyl phenyl ether	204		8.798					
124 Fluorene	166		8.809					9
123 4-Nitroaniline	138		8.814					
126 4,6-Dinitro-2-methylphenol	198		8.836					
130 N-Nitrosodiphenylamine	169		8.895					
137 4-Bromophenyl phenyl ether	248		9.210					
139 Hexachlorobenzene	284		9.274					
141 Pentachlorophenol	266		9.435					
146 Phenanthrene	178	9.622	9.622	0.0	62	10149	0.0502	
147 Anthracene	178		9.665					
149 Carbazole	167		9.793					9
151 Di-n-butyl phthalate	149		10.055					
157 Fluoranthene	202		10.622					
160 Pyrene	202		10.820					
166 Butyl benzyl phthalate	149		11.387					
173 3,3'-Dichlorobenzidine	252		11.997					
171 Bis(2-ethylhexyl) phthalate	149	12.023	12.018	0.005	73	14038	0.2901	
175 Benzo[a]anthracene	228		12.040					9
176 Chrysene	228		12.088					
178 Di-n-octyl phthalate	149		12.879					9
180 Benzo[b]fluoranthene	252		13.473					
181 Benzo[k]fluoranthene	252		13.510					
182 Benzo[a]pyrene	252		13.954					2
186 Indeno[1,2,3-cd]pyrene	276		15.628					9
187 Dibenz(a,h)anthracene	278		15.650					
188 Benzo[g,h,i]perylene	276		16.030					9

QC Flag Legend

Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

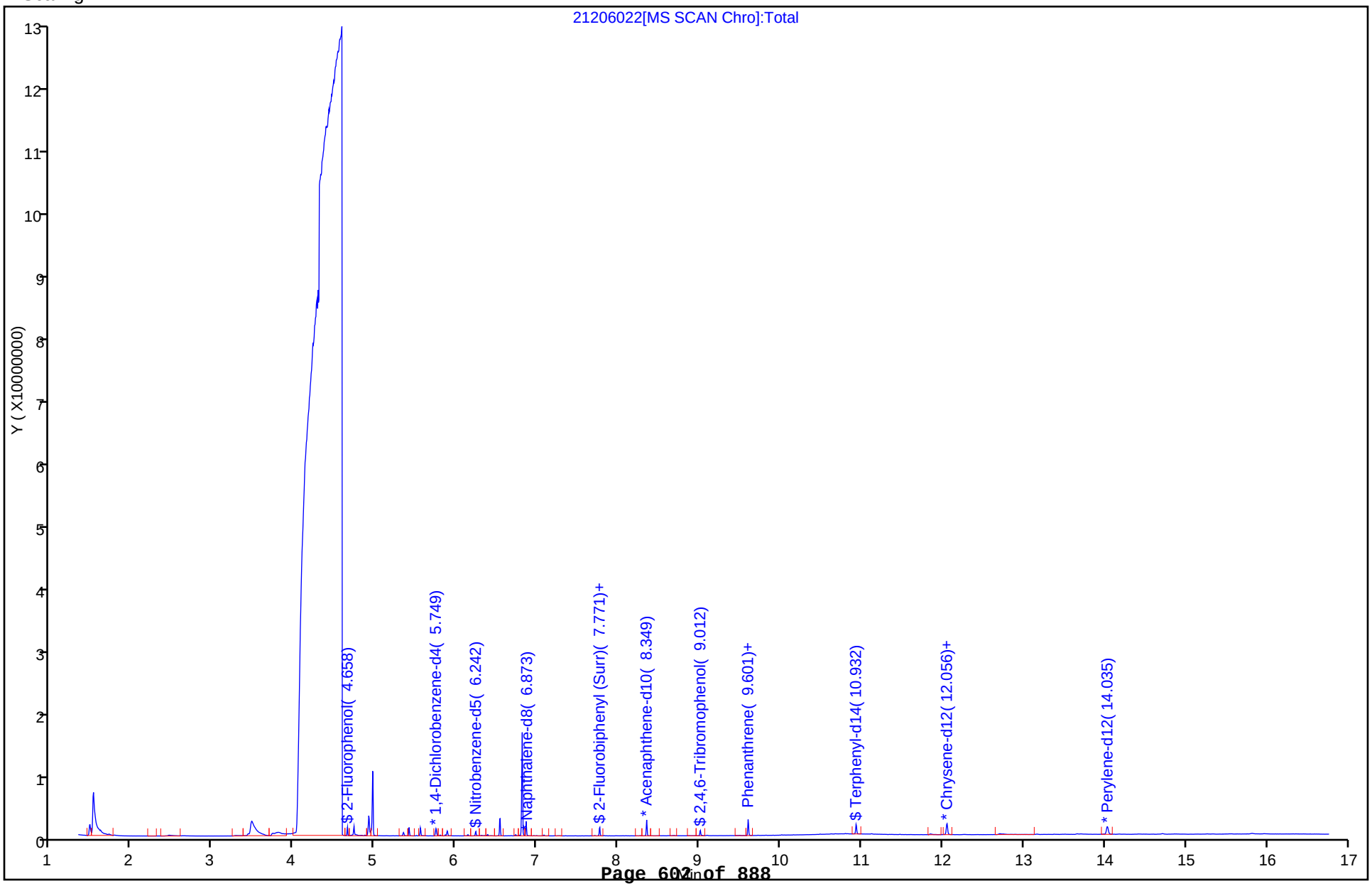
Report Date: 07-Dec-2012 12:54:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206022.D

Injection Date:	06-Dec-2012 17:06:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0071M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

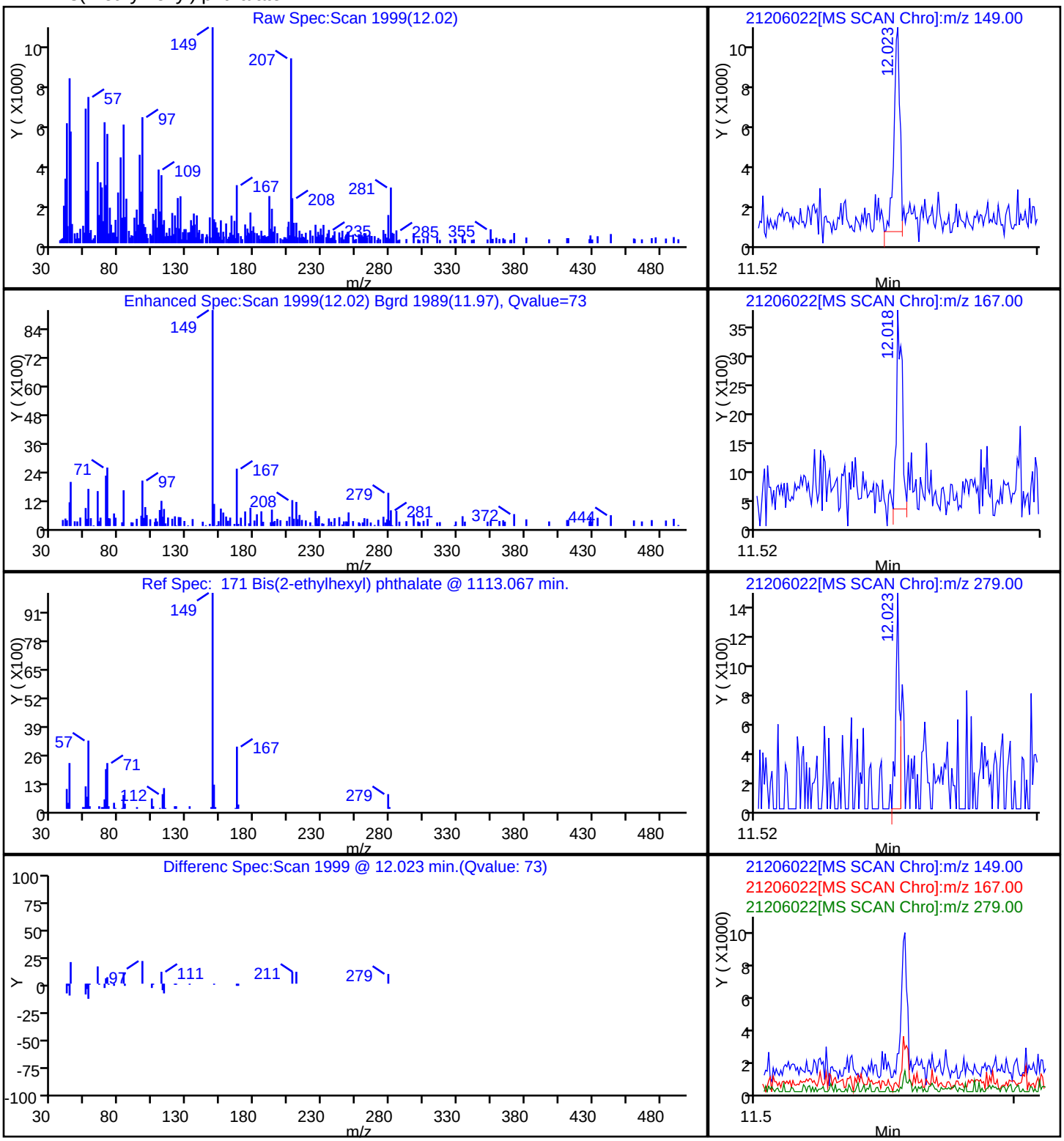


Report Date: 07-Dec-2012 12:54:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206022.D		
Injection Date:	06-Dec-2012 17:06:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0071M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



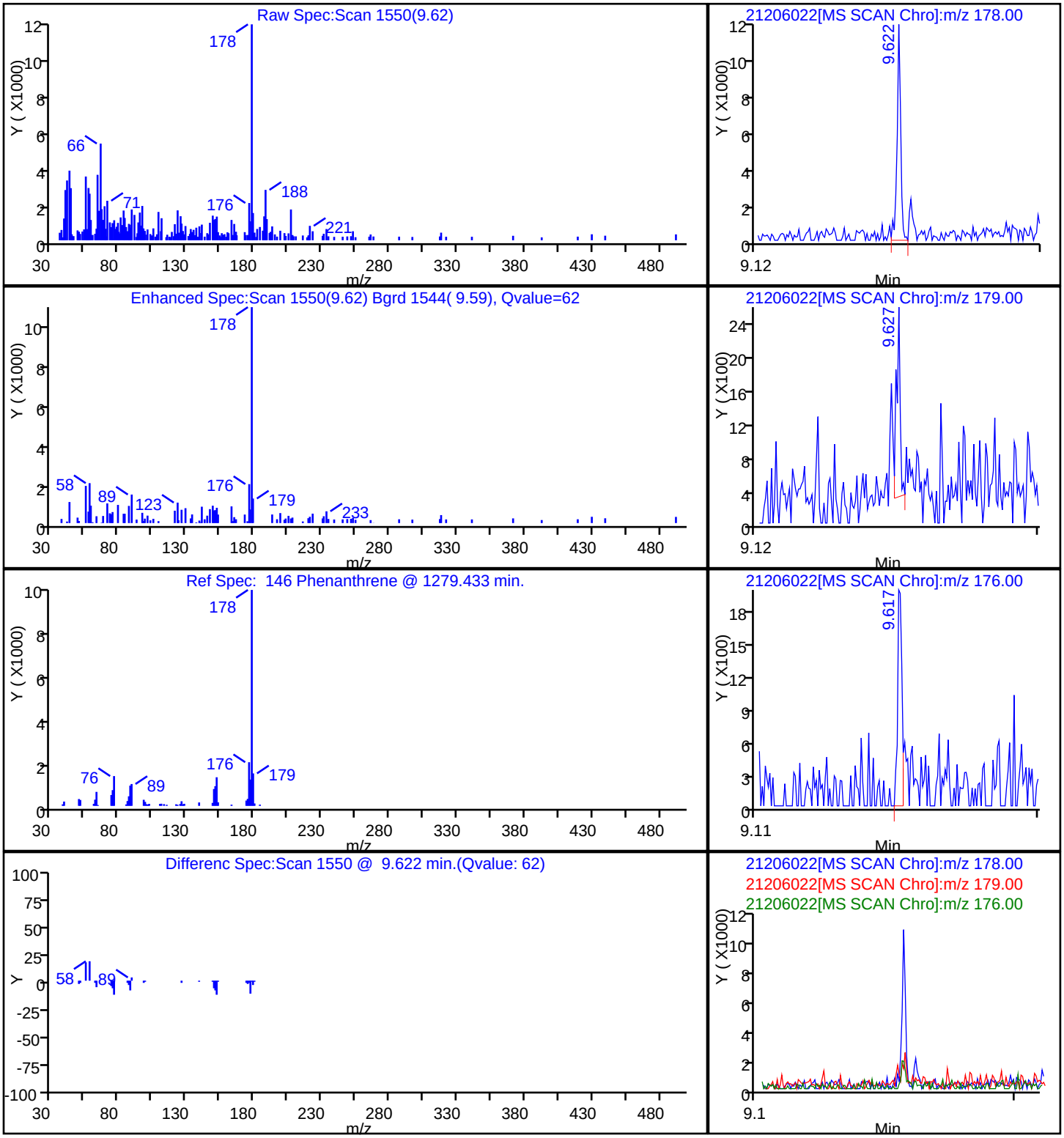
Report Date: 07-Dec-2012 12:54:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206022.D

Injection Date:	06-Dec-2012 17:06:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0071M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0072M-0001-SO | Lab Sample ID: 240-17810-5

Matrix: Solid | Lab File ID: 21206023.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:05

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.84(g) | Date Analyzed: 12/06/2012 17:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	8.3	U	17	8.3	8.3
208-96-8	Acenaphthylene	8.3	U	17	8.3	8.3
120-12-7	Anthracene	8.3	U	17	8.3	8.3
56-55-3	Benzo[a]anthracene	8.3	U	17	8.3	8.3
50-32-8	Benzo[a]pyrene	28		17	8.3	8.3
205-99-2	Benzo[b]fluoranthene	12	J M	17	8.3	8.3
191-24-2	Benzo[g,h,i]perylene	8.3	U	17	8.3	8.3
65-85-0	Benzoic acid	840	U	1700	840	840
207-08-9	Benzo[k]fluoranthene	8.3	U	17	8.3	8.3
100-51-6	Benzyl alcohol	68	U	830	68	53
111-91-1	Bis(2-chloroethoxy)methane	68	U	250	68	55
111-44-4	Bis(2-chloroethyl)ether	8.3	U	250	8.3	5.0
108-60-1	bis (2-chloroisopropyl) ether	68	U	250	68	24
117-81-7	Bis(2-ethylhexyl) phthalate	68	U	130	68	48
101-55-3	4-Bromophenyl phenyl ether	68	U	130	68	33
85-68-7	Butyl benzyl phthalate	68	U	130	68	25
86-74-8	Carbazole	68	U	130	68	68
106-47-8	4-Chloroaniline	68	U	380	68	43
59-50-7	4-Chloro-3-methylphenol	68	U	380	68	53
91-58-7	2-Chloronaphthalene	8.3	U	130	8.3	8.3
95-57-8	2-Chlorophenol	68	U	130	68	68
7005-72-3	4-Chlorophenyl phenyl ether	68	U	130	68	33
218-01-9	Chrysene	8.3	U	17	8.3	2.8
53-70-3	Dibenz(a,h)anthracene	8.3	U	17	8.3	8.3
132-64-9	Dibenzofuran	8.3	U	130	8.3	8.3
95-50-1	1,2-Dichlorobenzene	68	U	130	68	24
541-73-1	1,3-Dichlorobenzene	68	U	130	68	28
106-46-7	1,4-Dichlorobenzene	68	U	130	68	50
91-94-1	3,3'-Dichlorobenzidine	200	U	250	200	45
120-83-2	2,4-Dichlorophenol	68	U	380	68	50
84-66-2	Diethyl phthalate	68	U	130	68	40
105-67-9	2,4-Dimethylphenol	200	U	380	200	50
131-11-3	Dimethyl phthalate	68	U	130	68	43
84-74-2	Di-n-butyl phthalate	68	U	130	68	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0072M-0001-SO | Lab Sample ID: 240-17810-5

Matrix: Solid | Lab File ID: 21206023.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:05

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.84(g) | Date Analyzed: 12/06/2012 17:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	200	U	380	200	200
51-28-5	2,4-Dinitrophenol	200	U	830	200	200
121-14-2	2,4-Dinitrotoluene	68	U	500	68	68
606-20-2	2,6-Dinitrotoluene	68	U	500	68	53
117-84-0	Di-n-octyl phthalate	68	U	130	68	68
206-44-0	Fluoranthene	20		17	8.3	8.3
86-73-7	Fluorene	8.3	U	17	8.3	8.3
118-74-1	Hexachlorobenzene	8.3	U	17	8.3	5.3
87-68-3	Hexachlorobutadiene	68	U	130	68	68
77-47-4	Hexachlorocyclopentadiene	68	U	830	68	68
67-72-1	Hexachloroethane	68	U	130	68	23
193-39-5	Indeno[1,2,3-cd]pyrene	8.3	U	17	8.3	8.3
78-59-1	Isophorone	68	U	130	68	33
91-57-6	2-Methylnaphthalene	8.3	U	17	8.3	8.3
95-48-7	2-Methylphenol	200	U	500	200	200
15831-10-4	3 & 4 Methylphenol	200	U	1000	200	50
91-20-3	Naphthalene	8.3	U	17	8.3	8.3
88-74-4	2-Nitroaniline	68	U	500	68	23
99-09-2	3-Nitroaniline	200	U	500	200	40
100-01-6	4-Nitroaniline	68	U	500	68	65
98-95-3	Nitrobenzene	8.3	U	250	8.3	5.5
88-75-5	2-Nitrophenol	68	U	130	68	68
100-02-7	4-Nitrophenol	200	U	830	200	200
621-64-7	N-Nitrosodi-n-propylamine	68	U	130	68	68
86-30-6	N-Nitrosodiphenylamine	68	U	130	68	53
87-86-5	Pentachlorophenol	200	U	380	200	200
85-01-8	Phenanthrene	8.3	U	17	8.3	8.3
108-95-2	Phenol	68	U	130	68	68
129-00-0	Pyrene	15	J	17	8.3	8.3
120-82-1	1,2,4-Trichlorobenzene	68	U	130	68	68
95-95-4	2,4,5-Trichlorophenol	68	U	380	68	63
88-06-2	2,4,6-Trichlorophenol	200	U	380	200	200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0072M-0001-SO | Lab Sample ID: 240-17810-5

Matrix: Solid | Lab File ID: 21206023.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:05

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.84(g) | Date Analyzed: 12/06/2012 17:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	58		45-105
367-12-4	2-Fluorophenol (Surr)	59		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
4165-62-2	Phenol-d5 (Surr)	62		40-100
1718-51-0	Terphenyl-d14 (Surr)	68		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	60		35-125

Report Date: 07-Dec-2012 12:54:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206023.D
Lims ID: 240-17810-E-5-B Client ID: 076SB-0072M-0001-SO
Inject. Date: 06-Dec-2012 17:30:30 Dil. Factor: 2.5000
Sample Type: Client
Sample ID: 240-0015580-023
Misc. Info.: 240-17810-e-5-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 67544 Lims Sample ID: 23
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj Date: 07-Dec-2012 10:37:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.744	5.733	0.011	96	194857	4.00	
* 2 Naphthalene-d8	136	6.862	6.857	0.005	99	729075	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	89	435200	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	97	744704	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	98	805603	4.00	
* 6 Perylene-d12	264	14.035	14.035	0.0	93	688237	4.00	
$ 7 2-Fluorophenol	112	4.594	4.434	0.160	90	211879	3.52	
$ 8 Phenol-d5	99	5.407	5.380	0.027	95	283781	3.71	
$ 9 Nitrobenzene-d5	82	6.236	6.226	0.010	88	147502	2.30	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	100	329392	2.33	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	88	64418	3.58	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	96	407672	2.73	
41 Phenol	94		5.391					9
44 Bis(2-chloroethyl)ether	93		5.487					9
46 2-Chlorophenol	128		5.536					
47 1,3-Dichlorobenzene	146		5.680					9
48 1,4-Dichlorobenzene	146		5.750					9
49 Benzyl alcohol	108		5.851					
50 1,2-Dichlorobenzene	146		5.883					
51 2-Methylphenol	108		5.947					
52 2,2'-oxybis[1-chloropropane]	45		5.974					
191 3 & 4 Methylphenol	108		6.081					
56 N-Nitrosodi-n-propylamine	70		6.086					
60 Hexachloroethane	117		6.188					
61 Nitrobenzene	77		6.242					
63 Isophorone	82		6.450					
65 2-Nitrophenol	139		6.520					9
64 2,4-Dimethylphenol	107		6.546					9
69 Benzoic acid	122		6.616					
68 Bis(2-chloroethoxy)methane	93		6.632					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.728					
72 1,2,4-Trichlorobenzene	180		6.803					
73 Naphthalene	128		6.873					9
74 4-Chloroaniline	127		6.916					
77 Hexachlorobutadiene	225		6.974					
84 4-Chloro-3-methylphenol	107		7.311					9
85 2-Methylnaphthalene	142		7.466					9
88 Hexachlorocyclopentadiene	237		7.595					
90 2,4,6-Trichlorophenol	196		7.696					
91 2,4,5-Trichlorophenol	196		7.729					9
98 2-Chloronaphthalene	162		7.878					
100 2-Nitroaniline	65		7.959					
103 Dimethyl phthalate	163		8.098					9
105 2,6-Dinitrotoluene	165		8.156					
107 Acenaphthylene	152		8.231					9
108 3-Nitroaniline	138		8.301					
110 Acenaphthene	153		8.376					9
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					9
112 2,4-Dinitrotoluene	165		8.493					9
114 Dibenzofuran	168		8.520					
119 Diethyl phthalate	149		8.686					
121 4-Chlorophenyl phenyl ether	204		8.798					9
124 Fluorene	166		8.809					
123 4-Nitroaniline	138		8.814					
126 4,6-Dinitro-2-methylphenol	198		8.836					
130 N-Nitrosodiphenylamine	169		8.895					
137 4-Bromophenyl phenyl ether	248		9.210					
139 Hexachlorobenzene	284		9.274					
141 Pentachlorophenol	266		9.435					9
146 Phenanthrene	178		9.622					
147 Anthracene	178		9.665					
149 Carbazole	167		9.793					9
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	91	25511	0.1157	
157 Fluoranthene	202	10.628	10.622	0.006	81	27459	0.1222	
160 Pyrene	202	10.820	10.820	0.0	95	22247	0.0865	
166 Butyl benzyl phthalate	149		11.387					9
173 3,3'-Dichlorobenzidine	252		11.997					9
171 Bis(2-ethylhexyl) phthalate	149	12.024	12.018	0.006	55	11915	0.2724	
175 Benzo[a]anthracene	228		12.040					
176 Chrysene	228		12.088					9
178 Di-n-octyl phthalate	149		12.879					9
180 Benzo[b]fluoranthene	252	13.484	13.473	0.011	38	15295	0.0697	M
181 Benzo[k]fluoranthene	252		13.510					
182 Benzo[a]pyrene	252	13.954	13.954	0.0	43	12023	0.1669	
186 Indeno[1,2,3-cd]pyrene	276		15.628					9
187 Dibenz(a,h)anthracene	278		15.650					9
188 Benzo[g,h,i]perylene	276		16.030					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

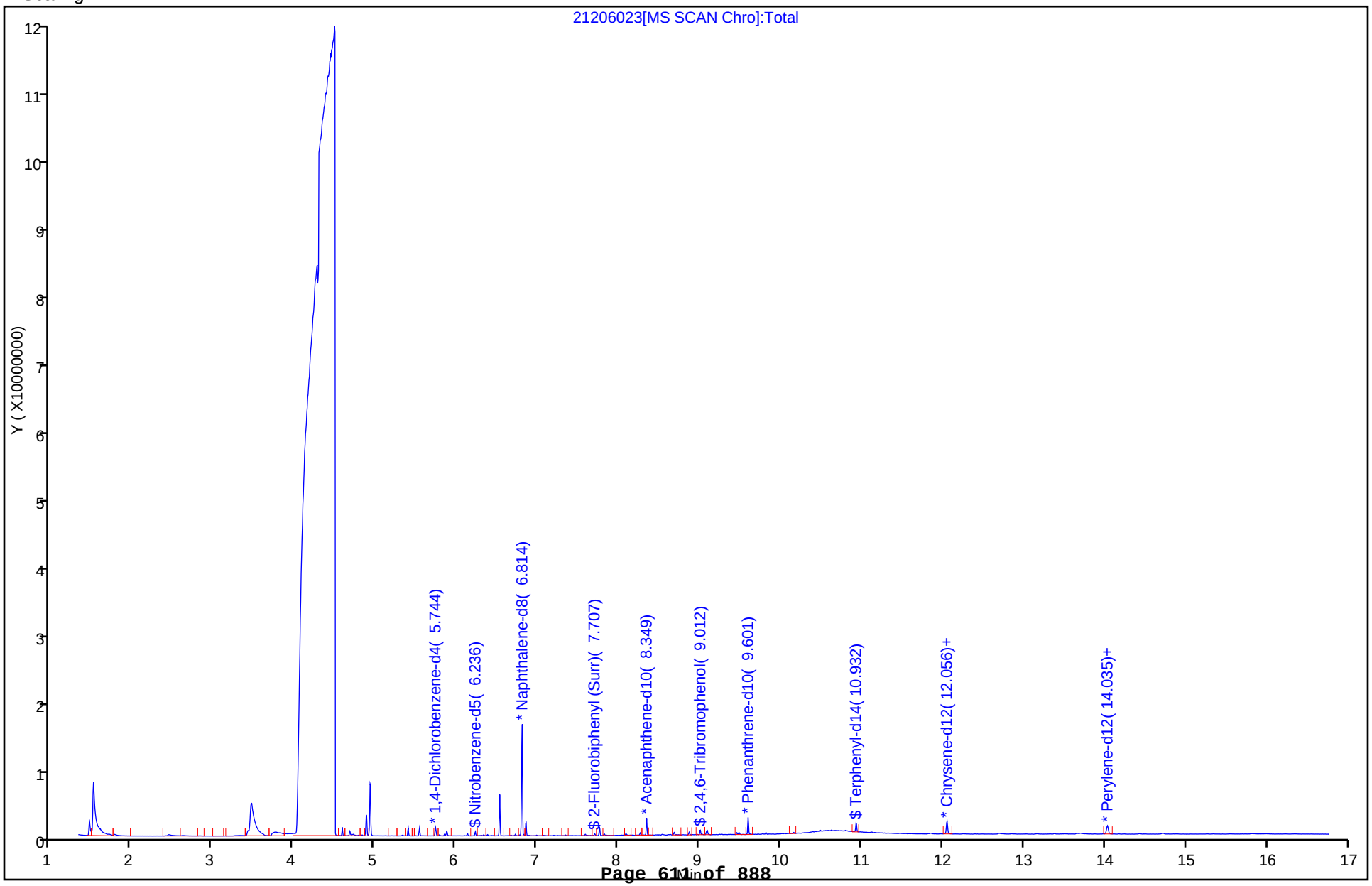
Report Date: 07-Dec-2012 12:54:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206023.D

Injection Date:	06-Dec-2012 17:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0072M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

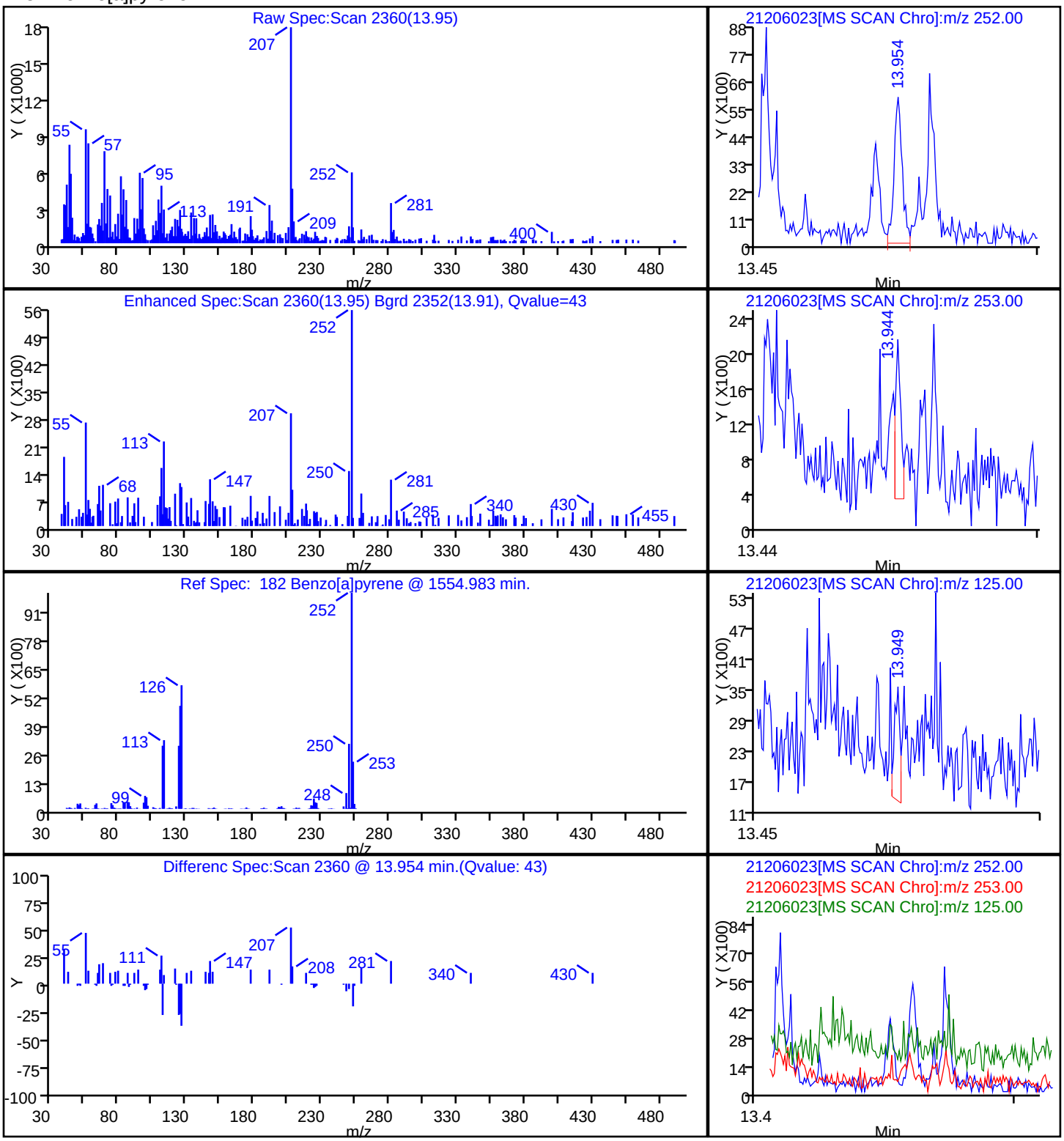


Report Date: 07-Dec-2012 12:54:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206023.D		
Injection Date:	06-Dec-2012 17:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0072M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



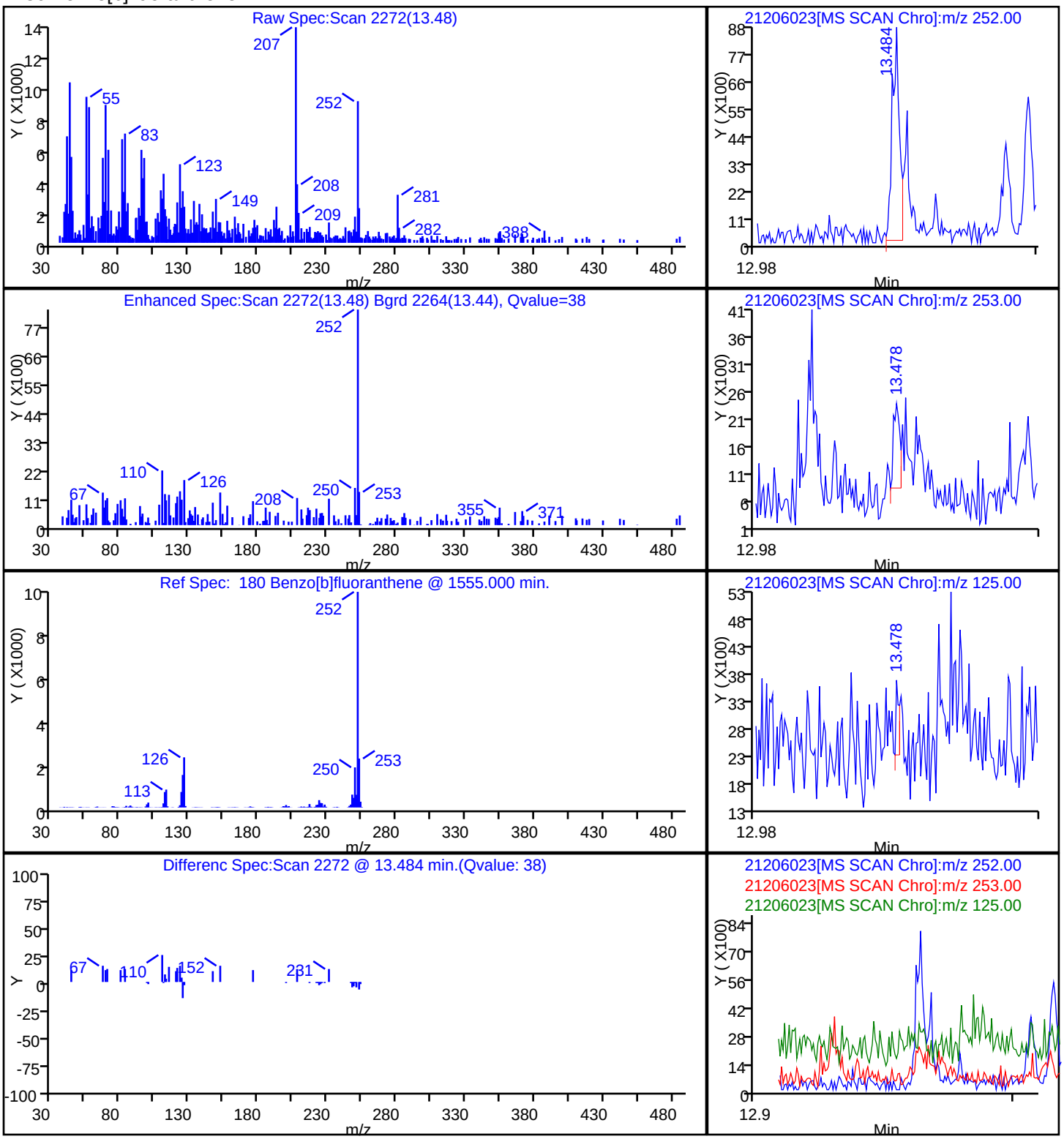
Report Date: 07-Dec-2012 12:54:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206023.D

Injection Date:	06-Dec-2012 17:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0072M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



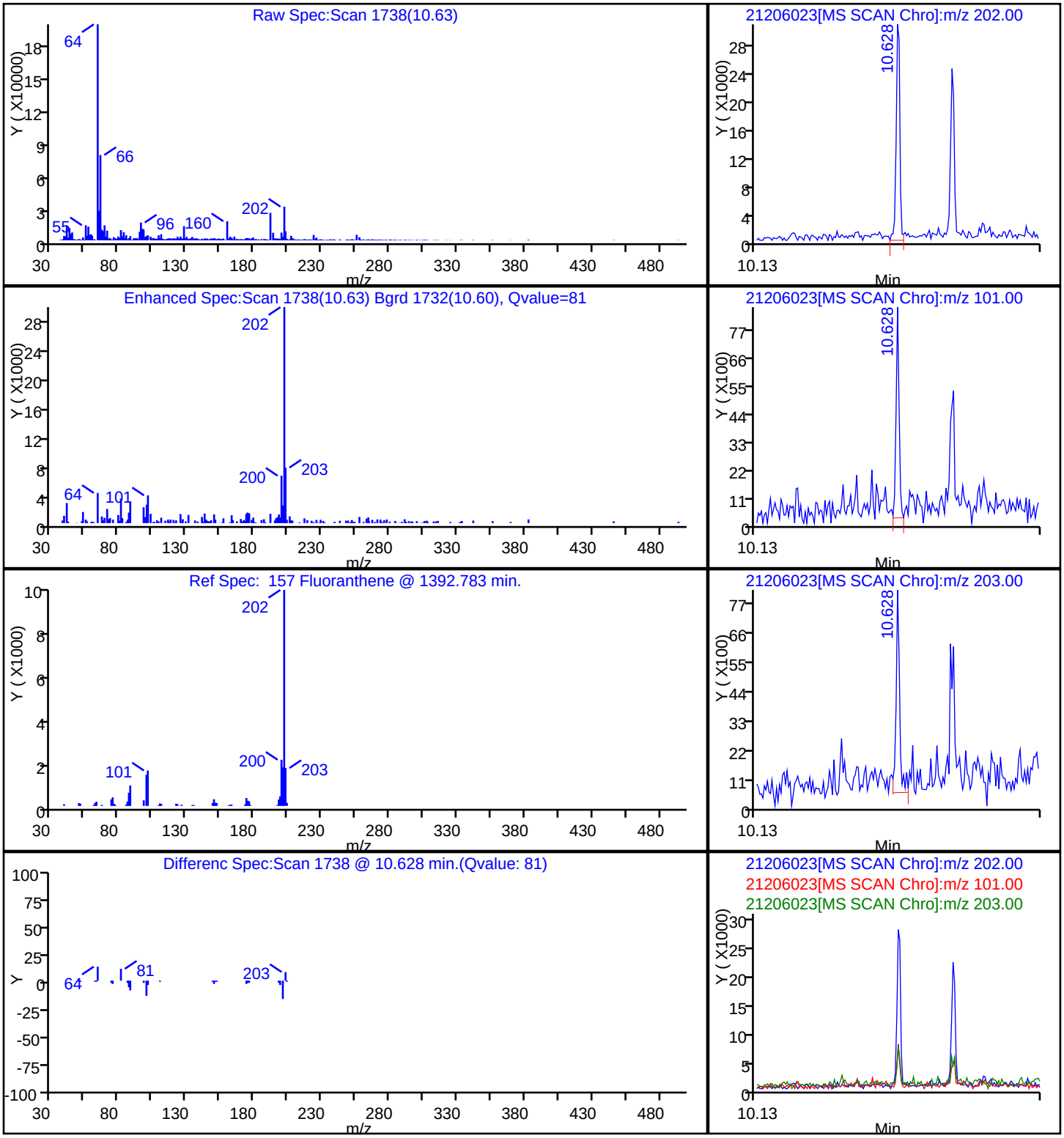
Report Date: 07-Dec-2012 12:54:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206023.D

Injection Date:	06-Dec-2012 17:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0072M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



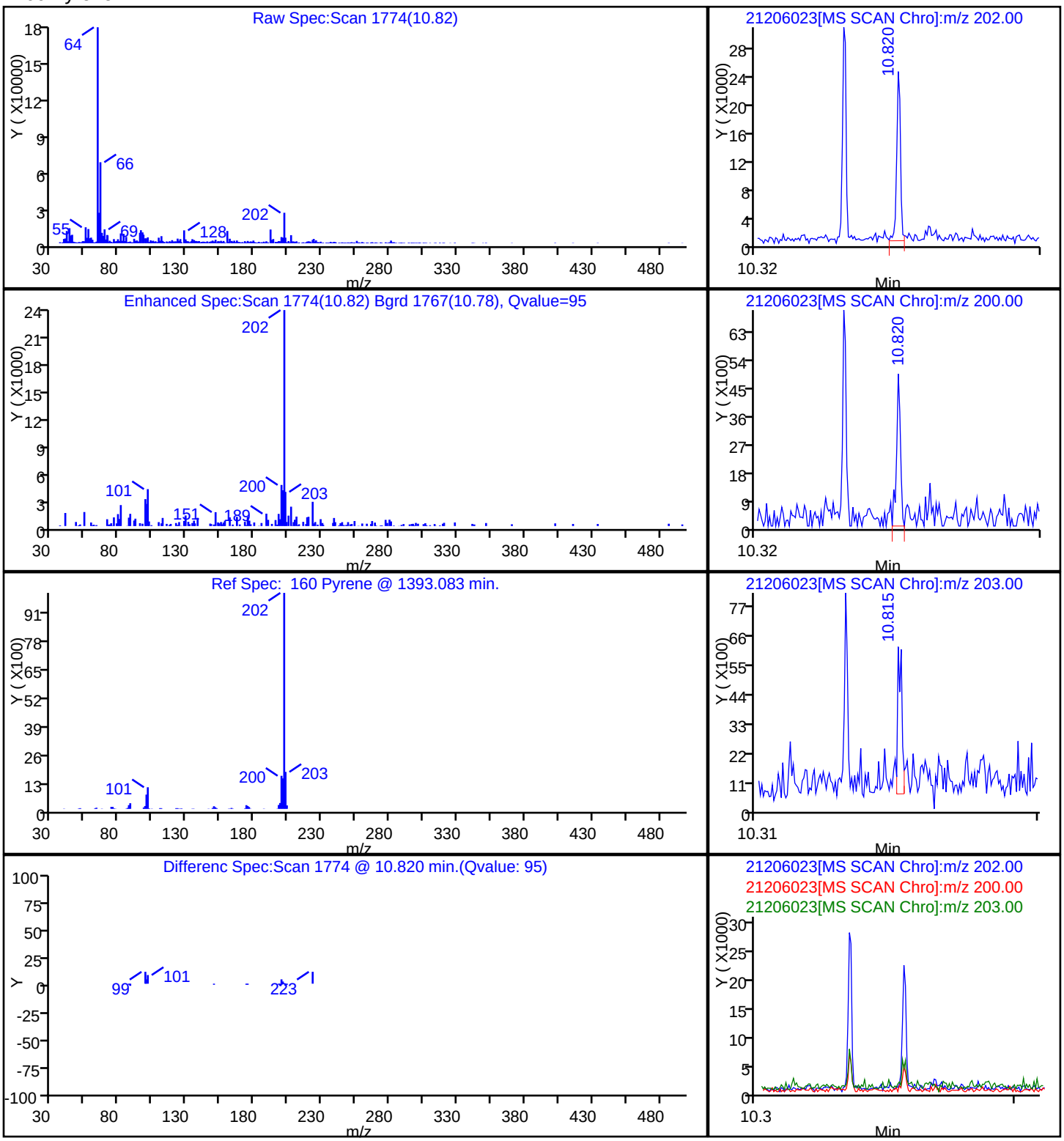
Report Date: 07-Dec-2012 12:54:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206023.D

Injection Date:	06-Dec-2012 17:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0072M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Pyrene



Manual Integration/User Assign Peak Report

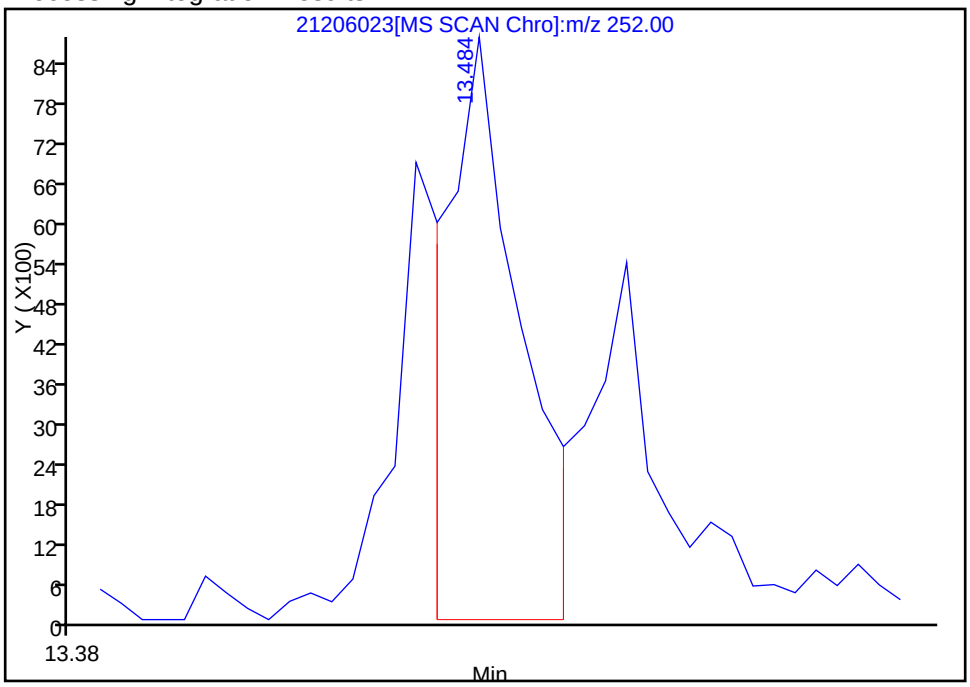
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206023.D		
Injection Date:	06-Dec-2012 17:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0072M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.47

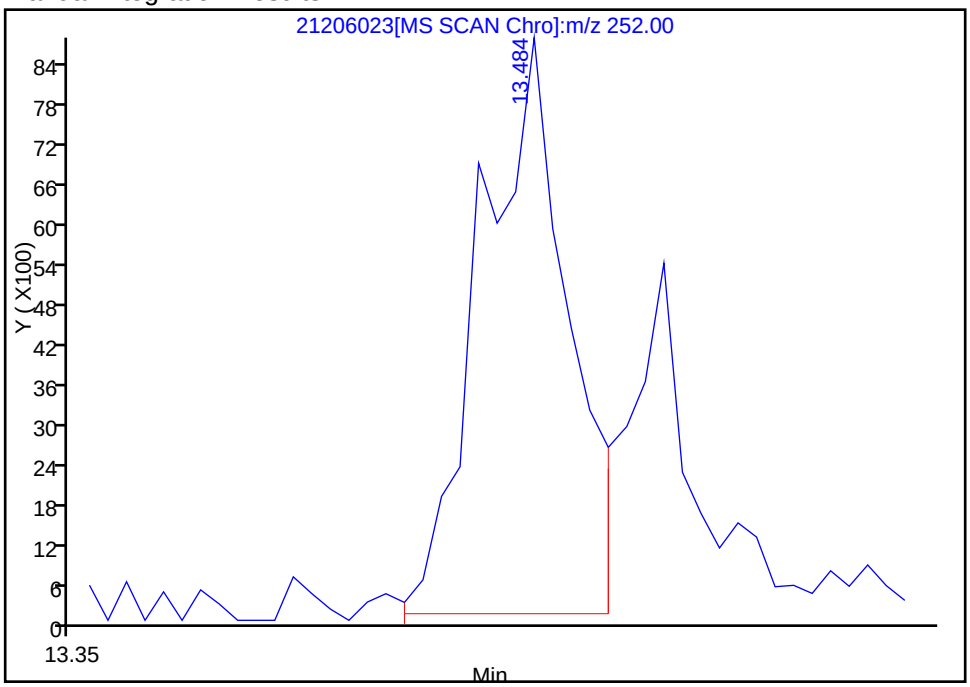
Processing Integration Results

RT: 13.48
Response: 11870
Amount: 0.054065



Manual Integration Results

RT: 13.48
Response: 15295
Amount: 0.069665



Reviewer: gruberj, 07-Dec-2012 10:37:20
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0073M-0001-SO | Lab Sample ID: 240-17810-6

Matrix: Solid | Lab File ID: 21206024.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:00

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.97(g) | Date Analyzed: 12/06/2012 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	8.3	U	17	8.3	8.3
208-96-8	Acenaphthylene	8.3	U	17	8.3	8.3
120-12-7	Anthracene	8.3	U	17	8.3	8.3
56-55-3	Benzo[a]anthracene	8.3	U	17	8.3	8.3
50-32-8	Benzo[a]pyrene	8.3	U	17	8.3	8.3
205-99-2	Benzo[b]fluoranthene	8.3	U	17	8.3	8.3
191-24-2	Benzo[g,h,i]perylene	8.3	U	17	8.3	8.3
65-85-0	Benzoic acid	830	U	1700	830	830
207-08-9	Benzo[k]fluoranthene	8.3	U	17	8.3	8.3
100-51-6	Benzyl alcohol	68	U	830	68	53
111-91-1	Bis(2-chloroethoxy)methane	68	U	250	68	55
111-44-4	Bis(2-chloroethyl)ether	8.3	U	250	8.3	5.0
108-60-1	bis (2-chloroisopropyl) ether	68	U	250	68	24
117-81-7	Bis(2-ethylhexyl) phthalate	68	U	130	68	48
101-55-3	4-Bromophenyl phenyl ether	68	U	130	68	33
85-68-7	Butyl benzyl phthalate	68	U	130	68	25
86-74-8	Carbazole	68	U	130	68	68
106-47-8	4-Chloroaniline	68	U	380	68	43
59-50-7	4-Chloro-3-methylphenol	68	U	380	68	53
91-58-7	2-Chloronaphthalene	8.3	U	130	8.3	8.3
95-57-8	2-Chlorophenol	68	U	130	68	68
7005-72-3	4-Chlorophenyl phenyl ether	68	U	130	68	33
218-01-9	Chrysene	8.3	U	17	8.3	2.8
53-70-3	Dibenz(a,h)anthracene	8.3	U	17	8.3	8.3
132-64-9	Dibenzofuran	8.3	U	130	8.3	8.3
95-50-1	1,2-Dichlorobenzene	68	U	130	68	24
541-73-1	1,3-Dichlorobenzene	68	U	130	68	28
106-46-7	1,4-Dichlorobenzene	68	U	130	68	50
91-94-1	3,3'-Dichlorobenzidine	200	U	250	200	45
120-83-2	2,4-Dichlorophenol	68	U	380	68	50
84-66-2	Diethyl phthalate	68	U	130	68	40
105-67-9	2,4-Dimethylphenol	200	U	380	200	50
131-11-3	Dimethyl phthalate	68	U	130	68	43
84-74-2	Di-n-butyl phthalate	68	U	130	68	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0073M-0001-SO | Lab Sample ID: 240-17810-6

Matrix: Solid | Lab File ID: 21206024.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:00

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.97(g) | Date Analyzed: 12/06/2012 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	200	U	380	200	200
51-28-5	2,4-Dinitrophenol	200	U	830	200	200
121-14-2	2,4-Dinitrotoluene	68	U	500	68	68
606-20-2	2,6-Dinitrotoluene	68	U	500	68	53
117-84-0	Di-n-octyl phthalate	68	U	130	68	68
206-44-0	Fluoranthene	8.3	U	17	8.3	8.3
86-73-7	Fluorene	8.3	U	17	8.3	8.3
118-74-1	Hexachlorobenzene	8.3	U	17	8.3	5.3
87-68-3	Hexachlorobutadiene	68	U	130	68	68
77-47-4	Hexachlorocyclopentadiene	68	U	830	68	68
67-72-1	Hexachloroethane	68	U	130	68	23
193-39-5	Indeno[1,2,3-cd]pyrene	8.3	U	17	8.3	8.3
78-59-1	Isophorone	68	U	130	68	33
91-57-6	2-Methylnaphthalene	8.3	U	17	8.3	8.3
95-48-7	2-Methylphenol	200	U	500	200	200
15831-10-4	3 & 4 Methylphenol	200	U	1000	200	50
91-20-3	Naphthalene	8.3	U	17	8.3	8.3
88-74-4	2-Nitroaniline	68	U	500	68	23
99-09-2	3-Nitroaniline	200	U	500	200	40
100-01-6	4-Nitroaniline	68	U	500	68	65
98-95-3	Nitrobenzene	8.3	U	250	8.3	5.5
88-75-5	2-Nitrophenol	68	U	130	68	68
100-02-7	4-Nitrophenol	200	U	830	200	200
621-64-7	N-Nitrosodi-n-propylamine	68	U	130	68	68
86-30-6	N-Nitrosodiphenylamine	68	U	130	68	53
87-86-5	Pentachlorophenol	200	U	380	200	200
85-01-8	Phenanthrene	8.3	U	17	8.3	8.3
108-95-2	Phenol	68	U	130	68	68
129-00-0	Pyrene	8.3	U	17	8.3	8.3
120-82-1	1,2,4-Trichlorobenzene	68	U	130	68	68
95-95-4	2,4,5-Trichlorophenol	68	U	380	68	63
88-06-2	2,4,6-Trichlorophenol	200	U	380	200	200

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0073M-0001-SO | Lab Sample ID: 240-17810-6

Matrix: Solid | Lab File ID: 21206024.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:00

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.97(g) | Date Analyzed: 12/06/2012 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 2.5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		45-105
367-12-4	2-Fluorophenol (Surr)	64		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	65		35-100
4165-62-2	Phenol-d5 (Surr)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	71		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	56		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206024.D		
Lims ID:	240-17810-E-6-B	Client ID:	076SB-0073M-0001-SO
Inject. Date:	06-Dec-2012 17:53:30	Dil. Factor:	2.5000
Sample Type:	Client		
Sample ID:	240-0015580-024		
Misc. Info.:	240-17810-e-6-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	67544	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m		
Last Update:	07-Dec-2012 12:54:13	Calib Date:	14-Nov-2012 18:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK034		

First Level Reviewer: gruberj Date: 07-Dec-2012 10:37:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.744	5.733	0.011	95	183254	4.00	
* 2 Naphthalene-d8	136	6.862	6.857	0.005	99	695605	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	416260	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	97	717763	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	97	761868	4.00	
* 6 Perylene-d12	264	14.034	14.035	-0.001	96	650888	4.00	
$ 7 2-Fluorophenol	112	4.583	4.434	0.149	94	217633	3.84	
$ 8 Phenol-d5	99	5.402	5.380	0.022	96	289134	4.02	
$ 9 Nitrobenzene-d5	82	6.236	6.226	0.010	87	158268	2.59	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	339004	2.51	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	90	57847	3.36	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	98	399454	2.83	
41 Phenol	94		5.391					9
44 Bis(2-chloroethyl)ether	93		5.487					9
46 2-Chlorophenol	128		5.536					
47 1,3-Dichlorobenzene	146		5.680					9
48 1,4-Dichlorobenzene	146		5.750					9
49 Benzyl alcohol	108		5.851					9
50 1,2-Dichlorobenzene	146		5.883					
51 2-Methylphenol	108		5.947					9
52 2,2'-oxybis[1-chloropropane]	45		5.974					
191 3 & 4 Methylphenol	108		6.081					
56 N-Nitrosodi-n-propylamine	70		6.086					9
60 Hexachloroethane	117		6.188					9
61 Nitrobenzene	77		6.242					
63 Isophorone	82		6.450					
65 2-Nitrophenol	139		6.520					9
64 2,4-Dimethylphenol	107		6.546					9
69 Benzoic acid	122		6.616					9
68 Bis(2-chloroethoxy)methane	93		6.632					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.728					
72 1,2,4-Trichlorobenzene	180		6.803					
73 Naphthalene	128		6.873					9
74 4-Chloroaniline	127		6.916					
77 Hexachlorobutadiene	225		6.974					
84 4-Chloro-3-methylphenol	107		7.311					
85 2-Methylnaphthalene	142		7.466					
88 Hexachlorocyclopentadiene	237		7.595					
90 2,4,6-Trichlorophenol	196		7.696					
91 2,4,5-Trichlorophenol	196		7.729					
98 2-Chloronaphthalene	162		7.878					
100 2-Nitroaniline	65		7.959					
103 Dimethyl phthalate	163		8.098					
105 2,6-Dinitrotoluene	165		8.156					
107 Acenaphthylene	152		8.231					
108 3-Nitroaniline	138		8.301					
110 Acenaphthene	153		8.376					
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					9
112 2,4-Dinitrotoluene	165		8.493					
114 Dibenzofuran	168		8.520					9
119 Diethyl phthalate	149		8.686					9
121 4-Chlorophenyl phenyl ether	204		8.798					
124 Fluorene	166		8.809					9
123 4-Nitroaniline	138		8.814					
126 4,6-Dinitro-2-methylphenol	198		8.836					
130 N-Nitrosodiphenylamine	169		8.895					
137 4-Bromophenyl phenyl ether	248		9.210					
139 Hexachlorobenzene	284		9.274					
141 Pentachlorophenol	266		9.435					
146 Phenanthrene	178		9.622					9
147 Anthracene	178		9.665					9
149 Carbazole	167		9.793					9
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	93	27086	0.1274	
157 Fluoranthene	202		10.622					
160 Pyrene	202		10.820					
166 Butyl benzyl phthalate	149		11.387					9
173 3,3'-Dichlorobenzidine	252		11.997					
171 Bis(2-ethylhexyl) phthalate	149	12.023	12.018	0.005	88	11590	0.2747	
175 Benzo[a]anthracene	228		12.040					9
176 Chrysene	228		12.088					9
178 Di-n-octyl phthalate	149		12.879					9
180 Benzo[b]fluoranthene	252		13.473					
181 Benzo[k]fluoranthene	252		13.510					
182 Benzo[a]pyrene	252		13.954					
186 Indeno[1,2,3-cd]pyrene	276		15.628					9
187 Dibenz(a,h)anthracene	278		15.650					
188 Benzo[g,h,i]perylene	276		16.030					9

QC Flag Legend

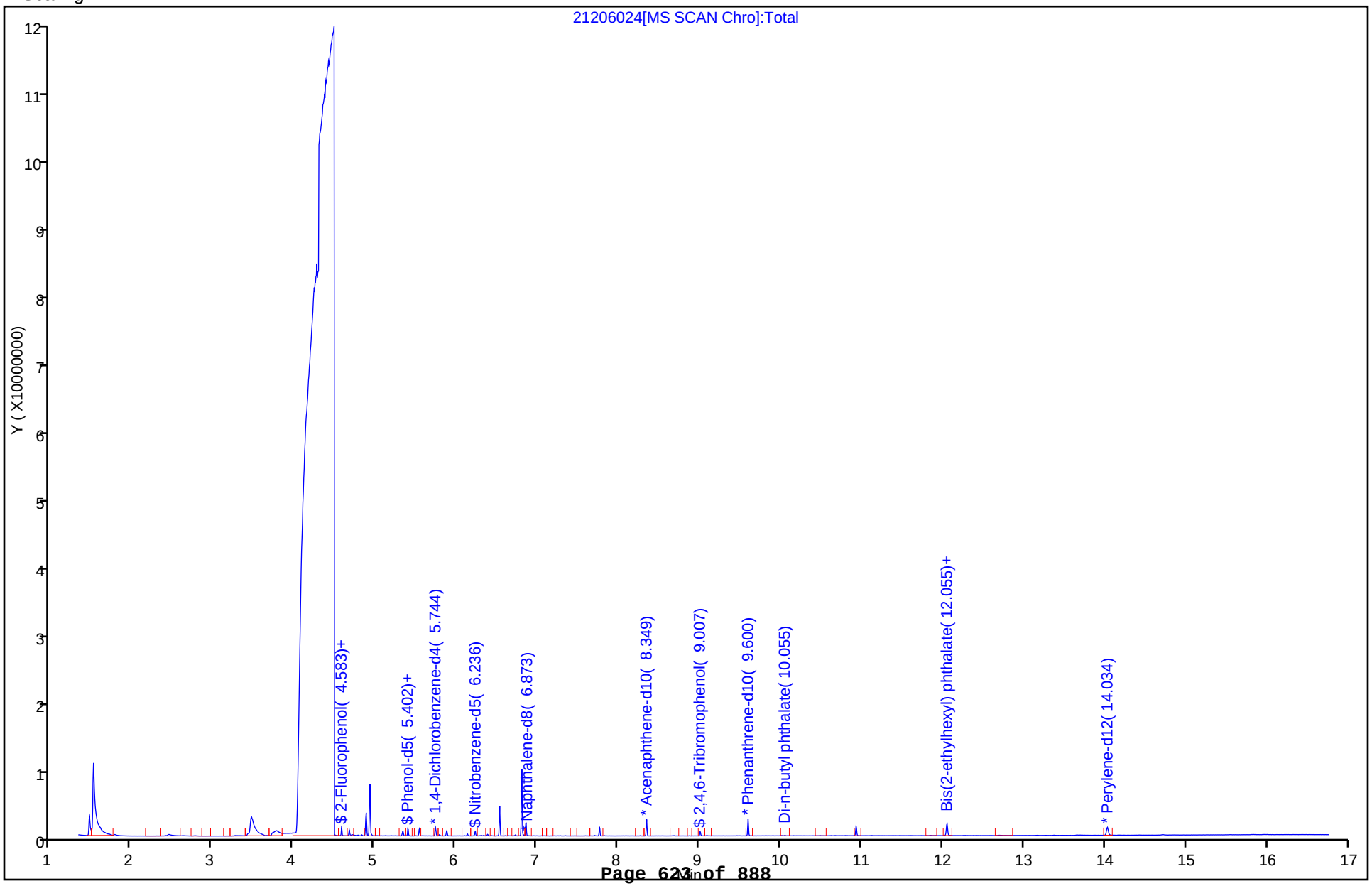
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 07-Dec-2012 12:54:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206024.D		
Injection Date:	06-Dec-2012 17:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0073M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO | Lab Sample ID: 240-17810-7

Matrix: Solid | Lab File ID: 21206006.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.92(g) | Date Analyzed: 12/06/2012 10:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	33	U	67	33	33
208-96-8	Acenaphthylene	33	U	67	33	33
120-12-7	Anthracene	33	U	67	33	33
56-55-3	Benzo[a]anthracene	33	U	67	33	33
50-32-8	Benzo[a]pyrene	33	U	67	33	33
205-99-2	Benzo[b]fluoranthene	33	U	67	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	67	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	1000	270	95
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	500	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	500	270	130
85-68-7	Butyl benzyl phthalate	270	U	500	270	100
86-74-8	Carbazole	270	U	500	270	270
106-47-8	4-Chloroaniline	270	U J	1500	270	170
59-50-7	4-Chloro-3-methylphenol	270	U	1500	270	210
91-58-7	2-Chloronaphthalene	33	U	500	33	33
95-57-8	2-Chlorophenol	270	U	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	500	270	130
218-01-9	Chrysene	33	U	67	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	67	33	33
132-64-9	Dibenzofuran	33	U	500	33	33
95-50-1	1,2-Dichlorobenzene	270	U	500	270	97
541-73-1	1,3-Dichlorobenzene	270	U	500	270	110
106-46-7	1,4-Dichlorobenzene	270	U	500	270	200
91-94-1	3,3'-Dichlorobenzidine	800	U	1000	800	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	500	270	160
105-67-9	2,4-Dimethylphenol	800	U	1500	800	200
131-11-3	Dimethyl phthalate	270	U	500	270	170
84-74-2	Di-n-butyl phthalate	270	U	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO | Lab Sample ID: 240-17810-7

Matrix: Solid | Lab File ID: 21206006.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.92(g) | Date Analyzed: 12/06/2012 10:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	800	U	1500	800	800
51-28-5	2,4-Dinitrophenol	800	U J	3300	800	800
121-14-2	2,4-Dinitrotoluene	270	U	2000	270	270
606-20-2	2,6-Dinitrotoluene	270	U	2000	270	210
117-84-0	Di-n-octyl phthalate	270	U	500	270	270
206-44-0	Fluoranthene	33	U	67	33	33
86-73-7	Fluorene	33	U	67	33	33
118-74-1	Hexachlorobenzene	33	U	67	33	21
87-68-3	Hexachlorobutadiene	270	U	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	500	270	90
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	67	33	33
78-59-1	Isophorone	270	U	500	270	130
91-57-6	2-Methylnaphthalene	33	U	67	33	33
95-48-7	2-Methylphenol	800	U	2000	800	800
15831-10-4	3 & 4 Methylphenol	800	U	4000	800	200
91-20-3	Naphthalene	33	U	67	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	91
99-09-2	3-Nitroaniline	800	U	2000	800	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	1000	33	22
88-75-5	2-Nitrophenol	270	U	500	270	270
100-02-7	4-Nitrophenol	800	U	3300	800	800
621-64-7	N-Nitrosodi-n-propylamine	270	U	500	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	500	270	210
87-86-5	Pentachlorophenol	800	U	1500	800	800
85-01-8	Phenanthrene	33	U	67	33	33
108-95-2	Phenol	270	U	500	270	270
129-00-0	Pyrene	33	U	67	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	500	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	800	U	1500	800	800

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO | Lab Sample ID: 240-17810-7

Matrix: Solid | Lab File ID: 21206006.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.92(g) | Date Analyzed: 12/06/2012 10:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	70		35-100
4165-62-2	Phenol-d5 (Surr)	75		40-100
1718-51-0	Terphenyl-d14 (Surr)	76		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	64		35-125

Report Date: 07-Dec-2012 12:54:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206006.D
Lims ID: 240-17810-E-7-B Client ID: 076SB-0074M-0001-SO
Inject. Date: 06-Dec-2012 10:55:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015580-006
Misc. Info.: 240-17810-e-7-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 67544 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj Date: 06-Dec-2012 09:21:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.733	5.733	0.0	95	170594	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	658218	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	93	385391	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	98	697732	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	98	714201	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	96	559010	4.00	
$ 7 2-Fluorophenol	112	4.487	4.434	0.053	91	60797	1.15	
$ 8 Phenol-d5	99	5.391	5.380	0.011	95	75682	1.13	
$ 9 Nitrobenzene-d5	82	6.225	6.226	-0.001	86	40289	0.6962	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	87875	0.7028	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	82	15248	0.9564	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	96	100792	0.7620	
41 Phenol	94		5.391					9
44 Bis(2-chloroethyl)ether	93		5.487					
46 2-Chlorophenol	128		5.536					
47 1,3-Dichlorobenzene	146		5.680					
48 1,4-Dichlorobenzene	146		5.750					
49 Benzyl alcohol	108		5.851					9
50 1,2-Dichlorobenzene	146		5.883					
51 2-Methylphenol	108		5.947					9
52 2,2'-oxybis[1-chloropropane]	45		5.974					9
191 3 & 4 Methylphenol	108		6.081					
56 N-Nitrosodi-n-propylamine	70		6.086					9
60 Hexachloroethane	117		6.188					9
61 Nitrobenzene	77		6.242					9
63 Isophorone	82		6.450					9
65 2-Nitrophenol	139		6.520					9
64 2,4-Dimethylphenol	107		6.546					
69 Benzoic acid	122		6.616					
68 Bis(2-chloroethoxy)methane	93		6.632					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.728					
72 1,2,4-Trichlorobenzene	180		6.803					
73 Naphthalene	128		6.873					9
74 4-Chloroaniline	127		6.916					9
77 Hexachlorobutadiene	225		6.974					
84 4-Chloro-3-methylphenol	107		7.311					
85 2-Methylnaphthalene	142		7.466					9
88 Hexachlorocyclopentadiene	237		7.595					
90 2,4,6-Trichlorophenol	196		7.696					
91 2,4,5-Trichlorophenol	196		7.729					
98 2-Chloronaphthalene	162		7.878					
100 2-Nitroaniline	65		7.959					
103 Dimethyl phthalate	163		8.098					9
105 2,6-Dinitrotoluene	165		8.156					9
107 Acenaphthylene	152		8.231					
108 3-Nitroaniline	138		8.301					
110 Acenaphthene	153		8.376					
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					9
112 2,4-Dinitrotoluene	165		8.493					
114 Dibenzofuran	168		8.520					9
119 Diethyl phthalate	149		8.686					9
121 4-Chlorophenyl phenyl ether	204		8.798					
124 Fluorene	166		8.809					
123 4-Nitroaniline	138		8.814					
126 4,6-Dinitro-2-methylphenol	198		8.836					
130 N-Nitrosodiphenylamine	169		8.895					
137 4-Bromophenyl phenyl ether	248		9.210					
139 Hexachlorobenzene	284		9.274					
141 Pentachlorophenol	266		9.435					
146 Phenanthrene	178		9.622					9
147 Anthracene	178		9.665					9
149 Carbazole	167		9.793					9
151 Di-n-butyl phthalate	149		10.055					9
157 Fluoranthene	202		10.622					
160 Pyrene	202		10.820					9
166 Butyl benzyl phthalate	149		11.387					
173 3,3'-Dichlorobenzidine	252		11.997					
171 Bis(2-ethylhexyl) phthalate	149		12.018					
175 Benzo[a]anthracene	228		12.040					9
176 Chrysene	228		12.088					9
178 Di-n-octyl phthalate	149		12.879					9
180 Benzo[b]fluoranthene	252		13.473					
181 Benzo[k]fluoranthene	252		13.510					
182 Benzo[a]pyrene	252		13.954					9
186 Indeno[1,2,3-cd]pyrene	276		15.628					
187 Dibenz(a,h)anthracene	278		15.650					
188 Benzo[g,h,i]perylene	276		16.030					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

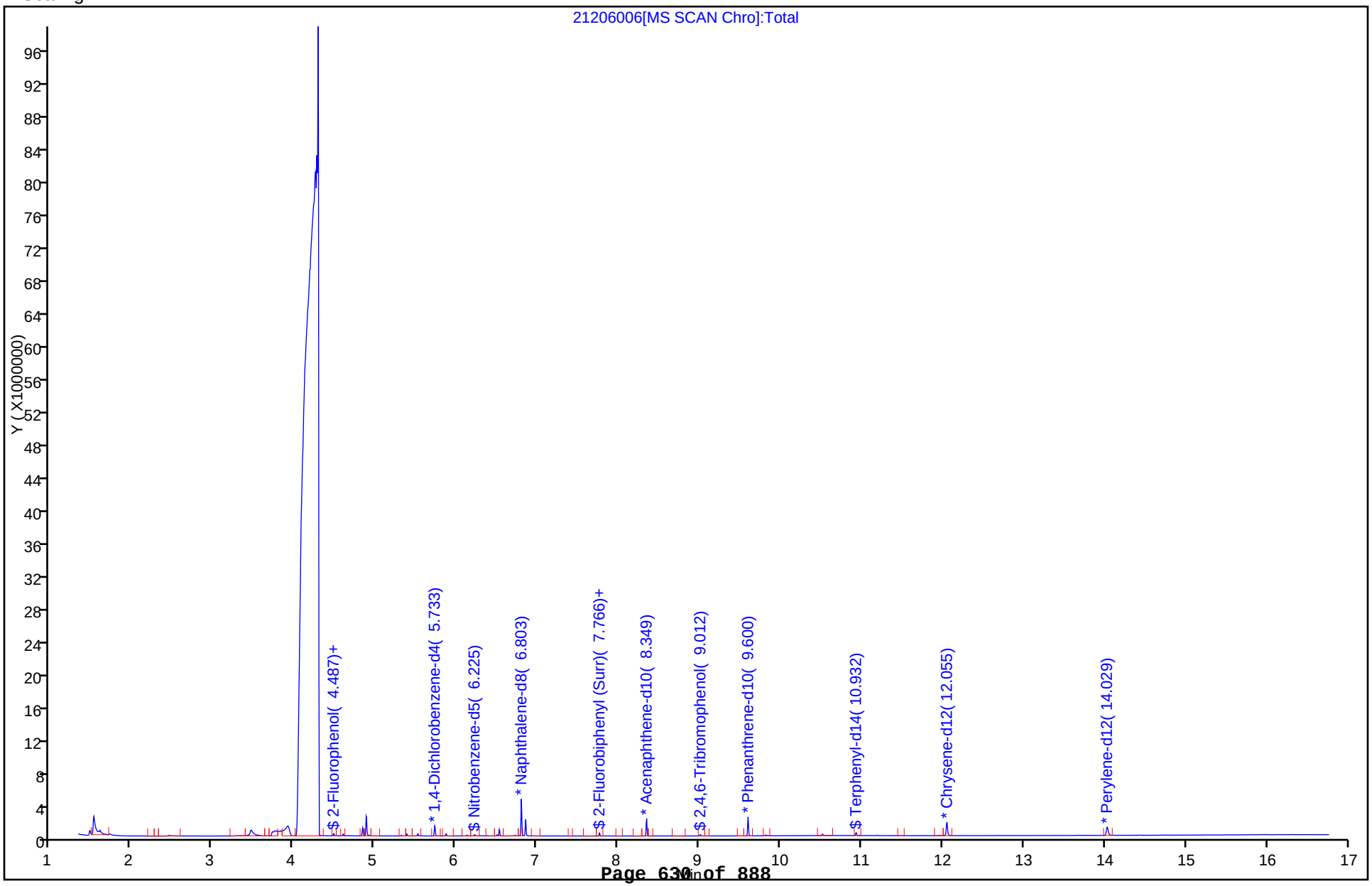
Report Date: 07-Dec-2012 12:54:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206006.D

Injection Date:	06-Dec-2012 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0074M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-64102/6	21107006.D
Level 2	STD2 240-64102/5	21107005.D
Level 3	STD3 240-64102/4	21107004.D
Level 4	STD4 240-64102/3	21107003.D
Level 5	STD5 240-64102/2	21107002.D
Level 6	STD6 240-64102/10	21107010.D
Level 7	STD7 240-64102/9	21107009.D
Level 8	STD8 240-64102/8	21107008.D
Level 9	STD9 240-64102/7	21107007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5098	0.4258 0.4025	0.4233 0.4000	0.5026 0.5258	0.5238	Ave		0.4642			0.0500	12.0		15.0			
N-Nitrosodimethylamine	0.7466	0.6150 0.8001	0.5266 0.8648	0.6430 0.8002	0.7826	Qua	-0.306	0.8297	0.0001		0.0500				0.9960		0.9950
Pyridine	1.4012	1.0155 1.3966	1.1996 1.4827	1.3443 1.4204	1.3817	Ave		1.3303			0.0500	11.0		15.0			
Ethyl methacrylate	1.1053	1.0237 1.0809	1.0903 1.1665	1.1162 1.1059	1.1536	Ave		1.1053			0.0500	4.0		15.0			
3-Chloropropionitrile	0.7989	0.6637 0.7606	0.6150 0.8291	0.6839 0.7714	0.7780	Ave		0.7376			0.0500	10.0		15.0			
Malononitrile	1.5126	1.0434 1.4755	1.2150 1.6007	1.4016 1.4411	1.4417	Ave		1.3915			0.0500	13.0		15.0			
Benzaldehyde	1.1223 0.9797	1.1474 0.9098	1.1435 0.8355	1.1028 +++++	1.1020	Ave		1.0429			0.0500	11.0		15.0			
Phenol	1.6961	1.5065 1.6700	1.6375 1.7836	1.7118 1.6917	1.6927	Ave		1.6737			0.0500	4.7		15.0			
Aniline	2.0926	1.9993 2.0854	2.0423 2.2370	2.0653 2.1256	2.0983	Ave		2.0932			0.0500	3.3		15.0			
Bis(2-chloroethyl)ether	1.3021	1.2999 1.2645	1.2714 1.3657	1.2622 1.2964	1.2800	Ave		1.2928			0.0500	2.6		15.0			
2-Chlorophenol	1.3572	1.3048 1.3270	1.3231 1.4546	1.3092 1.3716	1.3699	Ave		1.3522			0.0500	3.6		15.0			
1,3-Dichlorobenzene	1.4700	1.4809 1.4147	1.4524 1.5251	1.4366 1.4428	1.4372	Ave		1.4574			0.0500	2.3		15.0			
Benzoic acid	0.2142	+++++ 0.2275	0.1082 0.2443	0.1557 0.2336	0.1997	Qua	-0.342	0.2370	0.0001		0.0500				0.9980		0.9950

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.4395	1.4050 1.4081	1.5397 1.4964	1.4354 1.4211	1.4367	Ave		1.4477			0.0500	3.2		15.0			
Benzyl alcohol	0.8556	0.7337 0.8469	0.8131 0.9137	0.8062 0.8702	0.8262	Ave		0.8332			0.0500	6.4		15.0			
1,2-Dichlorobenzene	1.3705	1.4038 1.3315	1.3652 1.4410	1.3667 1.3812	1.3835	Ave		1.3804			0.0500	2.3		15.0			
2-Methylphenol	1.2483	1.1180 1.2025	1.1600 1.3213	1.2161 1.2534	1.2403	Ave		1.2200			0.0500	5.1		15.0			
bis (2-chloroisopropyl) ether	1.8650	1.8783 1.8356	1.9286 2.0334	1.8899 1.8770	1.8696	Ave		1.8972			0.0500	3.2		15.0			
3 & 4 Methylphenol	1.3018	1.2326 1.2779	1.1884 1.3978	1.2611 1.2867	1.2851	Ave		1.2789			0.0500	4.7		15.0			
N-Nitrosodi-n-propylamine	0.9250	0.8236 0.9070	0.8471 0.9792	0.9082 0.9177	0.9391	Ave		0.9059			0.0500	5.5		15.0			
Acetophenone	1.7864	1.7810 1.7584	1.7811 1.9057	1.8130 1.8063	1.8313	Ave		1.8079			0.0500	2.5		15.0			
Hexachloroethane	0.5803	0.6397 0.5697	0.5746 0.6095	0.5678 0.5781	0.5877	Ave		0.5884			0.0500	4.2		15.0			
Nitrobenzene	0.3721	0.3322 0.3640	0.3444 0.3849	0.3655 0.3788	0.3660	Ave		0.3635			0.0500	4.8		15.0			
2,4-Dinitrophenol	0.1765	+++++ 0.1941	+++++ 0.2021	0.1239 0.1948	0.1518	Qua	-0.481	0.2109	0		0.0500				0.9980		0.9950
Isophorone	0.6476	0.5485 0.6449	0.5969 0.7001	0.6299 0.6793	0.6570	Ave		0.6380			0.0500	7.5		15.0			
2-Nitrophenol	0.1846	0.1386 0.1803	0.1450 0.1892	0.1662 0.1829	0.1815	Ave		0.1710			0.0500	11.0		15.0			
1,3,5-Trichlorobenzene	0.3164	0.3122 0.3053	0.3368 0.3192	0.3135 0.3116	0.3224	Ave		0.3172			0.0500	3.0		15.0			
2,4-Dimethylphenol	0.3404	0.2987 0.3364	0.3475 0.3515	0.3369 0.3432	0.3353	Ave		0.3362			0.0500	4.8		15.0			
Bis(2-chloroethoxy)methane	0.4021	0.3889 0.3990	0.4036 0.4147	0.4126 0.4087	0.4122	Ave		0.4052			0.0500	2.1		15.0			
2,4-Dichlorophenol	0.2713	0.2421 0.2687	0.2419 0.2875	0.2616 0.2814	0.2712	Ave		0.2657			0.0500	6.3		15.0			
1,2,4-Trichlorobenzene	0.3131	0.3227 0.3098	0.3195 0.3193	0.3147 0.3186	0.3173	Ave		0.3169			0.0500	1.3		15.0			
Naphthalene	0.9105 1.0019	0.9983 0.9967	0.9777 1.0621	0.9833 1.0522	1.0125	Ave		0.9995			0.0500	4.4		15.0			
4-Chloroaniline	0.4328	0.3864 0.4270	0.4043 0.4590	0.4265 0.4444	0.4280	Ave		0.4261			0.0500	5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1723	0.1815 0.1648	0.1756 0.1728	0.1707 0.1721	0.1632	Ave		0.1716			0.0500	3.4		15.0			
Caprolactam	0.0928	0.0513 0.1026	0.0744 0.0913	0.0901 0.0846	0.0970	Qua	-0.053	0.1187	-0.001		0.0500				0.9970		0.9950
4-Chloro-3-methylphenol	0.2896	0.2513 0.2886	0.2699 0.3116	0.2780 0.3041	0.2902	Ave		0.2854			0.0500	6.7		15.0			
2-Methylnaphthalene	0.5957 0.6414	0.6587 0.6257	0.6252 0.6720	0.6353 0.6588	0.6409	Ave		0.6393			0.0500	3.6		15.0			
1-Methylnaphthalene	0.5613 0.6120	0.5620 0.6131	0.6006 0.6420	0.6295 0.6346	0.6201	Ave		0.6084			0.0500	4.8		15.0			
1,2,3,5-Tetrachlorobenzene	0.5377	0.5627 0.5320	0.5476 0.5410	0.5332 0.5292	0.5659	Ave		0.5437			0.0500	2.6		15.0			
Hexachlorocyclopentadiene	0.3321	0.3044 0.3273	0.2902 0.3513	0.3153 0.3438	0.3287	Ave		0.3241			0.0500	6.2		15.0			
2,4,6-Trichlorophenol	0.3564	0.2820 0.3537	0.3048 0.3708	0.3205 0.3569	0.3522	Ave		0.3372			0.0500	9.2		15.0			
4,6-Dinitro-2-methylphenol	0.1332	+++++ 0.1334	0.0737 0.1454	0.0882 0.1421	0.1162	Qua	-0.091	0.1373	0.0004		0.0500				0.9990		0.9950
2,4,5-Trichlorophenol	0.3838	0.2978 0.3845	0.3338 0.4018	0.3572 0.3775	0.3691	Ave		0.3632			0.0500	9.2		15.0			
2,4-Toluene diamine	0.2040	0.2174 0.1846	0.2277 0.1679	0.2230 0.1793	0.2252	Ave		0.2036			0.0500	12.0		15.0			
1,1'-Biphenyl	1.4859 1.3972	1.3995 1.3777	1.3829 1.4625	1.3912 1.3964	1.4213	Ave		1.4127			0.0500	2.6		15.0			
2-Chloronaphthalene	1.0803 1.1163	1.1085 1.0859	1.0968 1.1464	1.1127 1.0969	1.0971	Ave		1.1046			0.0500	1.8		15.0			
2-Nitroaniline	0.3491	0.2778 0.3477	0.2713 0.3698	0.3032 0.3479	0.3271	Ave		0.3242			0.0500	11.0		15.0			
Dimethyl phthalate	1.1987	1.1235 1.1820	1.1109 1.2682	1.1428 1.2104	1.1617	Ave		1.1748			0.0500	4.4		15.0			
2,6-Dinitrotoluene	0.2715	0.1744 0.2632	0.1956 0.2877	0.2063 0.2705	0.2441	Qua	-0.114	0.2818	0		0.0500				0.9980		0.9950
1,2-Dinitrobenzene	0.1380	0.1060 0.1435	0.1036 0.1514	0.1254 0.1442	0.1308	Ave		0.1303			0.0500	14.0		15.0			
Acenaphthylene	1.7126 1.8793	1.7459 1.8562	1.6910 1.9899	1.7949 1.9173	1.8341	Ave		1.8246			0.0500	5.4		15.0			
3-Nitroaniline	0.3205	0.2209 0.3212	0.2379 0.3478	0.2753 0.3271	0.3019	Ave		0.2941			0.0500	15.0		15.0			
Acenaphthene	1.0184 1.1063	1.1266 1.0621	1.1206 1.1301	1.1148 1.0865	1.1101	Ave		1.0973			0.0500	3.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Nitrophenol	0.1836	0.1310 0.1821	0.1417 0.1968	0.1566 0.1898	0.1733	Ave		0.1694			0.0500	14.0		15.0			
2,4-Dinitrotoluene	0.3607	0.2264 0.3599	0.2488 0.3926	0.3014 0.3747	0.3412	Qua	-0.127	0.3704	0.0006		0.0500				0.9980		0.9950
Dibenzofuran	1.7193 1.6180	1.5780 1.6036	1.5718 1.7016	1.6076 1.6465	1.6104	Ave		1.6285			0.0500	3.2		15.0			
2,3,5,6-Tetrachlorophenol	0.3223	0.2284 0.3208	0.2595 0.3433	0.2792 0.3254	0.3164	Ave		0.2994			0.0500	13.0		15.0			
Diethyl phthalate	1.2294	1.1783 1.2226	1.1857 1.3397	1.1716 1.2653	1.2324	Ave		1.2281			0.0500	4.5		15.0			
4-Chlorophenyl phenyl ether	0.6357	0.5733 0.6065	0.6180 0.6588	0.6260 0.6156	0.6157	Ave		0.6187			0.0500	4.0		15.0			
4-Nitroaniline	0.3167	0.2009 0.3139	0.2466 0.3397	0.2878 0.3185	0.3130	Qua	-0.094	0.3343	0		0.0500				0.9980		0.9950
Fluorene	1.2550 1.3314	1.2851 1.2890	1.3063 1.3521	1.3185 1.3149	1.3171	Ave		1.3077			0.0500	2.2		15.0			
N-Nitrosodiphenylamine	0.5728	0.4888 0.5500	0.5058 0.5914	0.5695 0.5772	0.5578	Ave		0.5517			0.0500	6.5		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	0.7981	0.7105 0.7796	0.7344 0.8275	0.7817 0.8098	0.7914	Ave		0.7785			0.0500	5.1		15.0			
Azobenzene	0.7981	0.7105 0.7796	0.7300 0.8276	0.7807 0.8098	0.7914	Ave		0.7785			0.0500	5.1		15.0			
4-Bromophenyl phenyl ether	0.2103	0.2038 0.2029	0.1921 0.2110	0.1976 0.2065	0.2078	Ave		0.2040			0.0500	3.2		15.0			
Hexachlorobenzene	0.2152 0.2098	0.2166 0.1993	0.2112 0.2102	0.2097 0.2062	0.2126	Ave		0.2101			0.0500	2.4		15.0			
Atrazine	0.1636	0.1172 0.1499	0.1507 0.1484	0.1589 0.1487	0.1638	Ave		0.1501			0.0500	9.9		15.0			
Pentachlorophenol	0.1432	0.0764 0.1437	0.1025 0.1479	0.1304 0.1499	0.1435	Qua	-0.053	0.1417	0.0002		0.0500				1.0000		0.9950
Phenanthrene	1.1503 1.0817	1.1095 1.0457	1.0769 1.1249	1.0763 1.1011	1.0687	Ave		1.0928			0.0500	2.9		15.0			
Anthracene	0.9330 1.1262	1.0252 1.1070	1.0620 1.1808	1.0695 1.1555	1.1124	Ave		1.0857			0.0500	6.9		15.0			
Carbazole	1.0898	0.9420 1.0735	0.9667 1.1392	1.0151 1.1185	1.0930	Ave		1.0547			0.0500	6.8		15.0			
Di-n-butyl phthalate	1.2688	0.9110 1.2244	1.0258 1.3316	1.1387 1.3294	1.2465	Ave		1.1846			0.0500	13.0		15.0			
Fluoranthene	1.0035 1.2732	1.1167 1.2401	1.1487 1.3336	1.2045 1.2971	1.2443	Ave		1.2069			0.0500	8.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.6836	0.2847 0.7032	0.3811 0.7698	0.5359 0.7647	0.6427	Qua	-0.269	0.6709	0.0045		0.0500				0.9990		0.9950
Pyrene	1.1637 1.3101	1.1792 1.2804	1.2217 1.3838	1.3006 1.3658	1.2819	Ave		1.2764			0.0500	6.0		15.0			
Butyl benzyl phthalate	0.5270	0.3318 0.5208	0.4406 0.5674	0.4867 0.5582	0.5295	Qua	-0.063	0.5118	0.0021		0.0500				0.9990		0.9950
3,3'-Dimethoxybenzidine	0.2697	0.0685 0.2865	0.1012 0.3178	0.1548 0.3080	0.2350	Qua	-0.202	0.2800	0.0017		0.0500				0.9980		0.9950
3,3'-Dichlorobenzidine	0.4507	0.2772 0.4386	0.3338 0.4636	0.4149 0.4556	0.4380	Qua	-0.089	0.4498	0.0005		0.0500				0.9990		0.9950
4,4'-Methylene bis(2-chloroaniline)	0.2061	0.1139 0.2039	0.1602 0.2145	0.1909 0.2173	0.2051	Qua	-0.025	0.1980	0.0008		0.0500				1.0000		0.9950
Bis(2-ethylhexyl) phthalate	0.7391	0.4220 0.7353	0.5769 0.8101	0.6687 0.7859	0.7501	Qua	-0.141	0.7332	0.0027		0.0500				0.9980		0.9950
Benzo[a]anthracene	1.0633 1.1208	1.0496 1.1086	1.0591 1.1999	1.1188 1.1829	1.1436	Ave		1.1163			0.0500	4.8		15.0			
Chrysene	1.1088 1.0735	1.0016 1.0386	1.0354 1.1149	1.0406 1.1059	1.0559	Ave		1.0639			0.0500	3.7		15.0			
Di-n-octyl phthalate	1.4170	0.5551 1.4815	0.8647 1.5992	1.1420 1.5917	1.4775	Qua	-0.468	1.4228	0.0080		0.0500				0.9990		0.9950
Benzo[b]fluoranthene	0.9862 1.3488	1.1161 1.3724	1.1849 1.4679	1.2297 1.4116	1.3666	Ave		1.2760			0.0500	12.0		15.0			
Benzo[k]fluoranthene	1.1257 1.5289	1.0930 1.4656	1.3912 1.5039	1.3803 1.5708	1.4196	Ave		1.3866			0.0500	12.0		15.0			
Benzo[a]pyrene	0.7438 1.3440	0.9346 1.3356	1.0419 1.3870	1.1887 1.4112	1.3040	Qua	-0.145	1.2861	0.0052		0.0500				1.0000		0.9950
Indeno[1,2,3-cd]pyrene	0.8289 1.4466	1.0135 1.4570	1.2258 1.5136	1.3229 1.5238	1.4928	Qua	-0.115	1.4180	0.0045		0.0500				1.0000		0.9950
Dibenz(a,h)anthracene	0.6833 1.2451	0.6703 1.2381	0.9755 1.2821	1.1210 1.2756	1.2071	Qua	-0.209	1.2385	0.0020		0.0500				1.0000		0.9950
Benzo[g,h,i]perylene	0.8878 1.2515	0.8506 1.2343	1.0454 1.2968	1.1757 1.3076	1.2569	Ave		1.1452			0.0500	15.0		15.0			
2-Fluorophenol (Surr)	1.2400	1.1712 1.2208	1.1762 1.3328	1.2045 1.2613	1.2849	Ave		1.2365			0.0500	4.5		15.0			
Phenol-d5 (Surr)	1.5816	1.4166 1.5782	1.4942 1.7117	1.5181 1.6113	1.6467	Ave		1.5698			0.0500	5.9		15.0			
Nitrobenzene-d5 (Surr)	0.3055 0.3585	0.3349 0.3630	0.3281 0.3828	0.3491 0.3731	0.3702	Ave		0.3517			0.0500	7.1		15.0			
2-Fluorobiphenyl (Surr)	1.2554 1.3099	1.2016 1.2997	1.2987 1.3846	1.2999 1.3063	1.3233	Ave		1.2977			0.0500	3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4,6-Tribromophenol (Surr)	0.1718	0.1422 0.1717	0.1490 0.1798	0.1693 0.1734	0.1664	Ave		0.1655			0.0500	7.8		15.0			
Terphenyl-d14 (Surr)	0.7066 0.7557	0.6865 0.7362	0.7505 0.7829	0.7306 0.7668	0.7516	Ave		0.7408			0.0500	4.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-64102/6	21107006.D
Level 2	STD2 240-64102/5	21107005.D
Level 3	STD3 240-64102/4	21107004.D
Level 4	STD4 240-64102/3	21107003.D
Level 5	STD5 240-64102/2	21107002.D
Level 6	STD6 240-64102/10	21107010.D
Level 7	STD7 240-64102/9	21107009.D
Level 8	STD8 240-64102/8	21107008.D
Level 9	STD9 240-64102/7	21107007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	289158	11562 357431	23164 533305	55904 670580	142017	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Qua	423432	16701 710533	28816 1152976	71522 1020584	212159	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	794755	27577 1240295	65639 1976673	149530 1811625	374604	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Ethyl methacrylate	DCB	Ave	626893	27799 959932	59659 1555123	124158 1410556	312745	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Chloropropionitrile	DCB	Ave	453140	18024 675455	33652 1105388	76071 983880	210933	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Malononitrile	DCB	Ave	857909	28334 1310337	66484 2134060	155901 1838076	390867	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	6123 555643	31159 807962	62570 1113893	122662 +++++	298755	0.100 10.0	0.500 15.0	1.00 20.0	2.00 +++++	5.00
Phenol	DCB	Ave	962001	40912 1483091	89598 2377819	190407 2157751	458900	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1186890	54295 1852000	111747 2982264	229723 2711054	568878	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	738530	35302 1122950	69570 1820736	140402 1653462	347012	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	769809	35434 1178499	72394 1939192	145623 1749387	371385	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	833741	40215 1256355	79469 2033209	159793 1840193	389651	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Qua	941901	+++++ 1543106	46025 2567708	132117 2263947	415455	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
1,4-Dichlorobenzene	DCB	Ave	816468	38155 1250498	84247 1994970	159665 1812536	389514	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Benzyl alcohol	DCB	Ave	485275	19926 752132	44492 1218061	89671 1109887	223988	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	777307	38122 1182427	74698 1921155	152018 1761611	375084	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	707992	30361 1067935	63472 1761548	135275 1598670	336260	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	1057806	51009 1630140	105528 2710885	210217 2394076	506864	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3 & 4 Methylphenol	DCB	Ave	738384	33473 1134834	65029 1863583	140272 1641179	348410	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	524618	22365 805470	46353 1305510	101018 1170477	254602	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1013196	48366 1561539	97459 2540663	201660 2303818	496471	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	329140	17373 505961	31442 812553	63158 737294	159343	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	818068	34749 1234618	73250 2023003	155054 1835606	380712	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Qua	434552	+++++ 743918	+++++ 1219360	59512 1106604	178806	20.0	+++++ 30.0	+++++ 40.0	4.00 50.0	10.0
Isophorone	NPT	Ave	1423776	57372 2187568	126950 3679329	267180 3291755	683437	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	405972	14494 611408	30847 994494	70506 886070	188786	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3,5-Trichlorobenzene	NPT	Ave	695736	32662 1035680	71625 1677390	132978 1509857	335399	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	748351	31245 1141006	73913 1847588	142902 1663053	348751	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	884059	40685 1353489	85844 2179326	175010 1980306	428717	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	596606	25326 911378	51449 1510979	110980 1363692	282075	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	688485	33761 1050932	67950 1678302	133494 1543759	330090	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	19322 2202898	104432 3380709	207949 5581839	417095 5098943	1053202	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	951670	40420 1448322	85983 2412184	180927 2153710	445160	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	378760	18988 559120	37357 908100	72425 834160	169782	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Qua	203996	5367 347893	15825 479685	38238 409876	100915	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	636751	26283 979022	57414 1637447	117925 1473568	301893	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	12641 1410272	68907 2122405	132969 3531733	269497 3192368	666699	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	11911 1345567	58790 2079707	127733 3374252	267037 3074953	645006	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,3,5-Tetrachlorobenzene	ANT	Ave	661897	32952 1019623	66113 1631883	128013 1502806	333308	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	408777	17829 627279	35037 1059644	75700 976433	193605	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	438732	16515 677861	36798 1118437	76952 1013558	207440	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Qua	278233	+++++ 443519	15094 771658	35487 687768	116255	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	472532	17442 736914	40304 1212108	85752 1072129	217393	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Toluene diamine	NPT	Ave	448465	22739 626231	48429 882419	94573 868625	234302	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	17216 1719982	81962 2640427	166955 4411496	334018 3965786	837098	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	12516 1374271	64920 2081186	132416 3457946	267168 3115146	646125	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	429808	16267 666331	32751 1115602	72790 987900	192655	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	1475655	65798 2265250	134112 3825470	274388 3437402	684216	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Qua	334247	10212 504465	23611 867959	49544 768083	143744	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dinitrobenzene	ANT	Ave	169862	6207 274957	12508 456583	30109 409392	77035	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	19842 2313540	102247 3557410	204149 6002224	430961 5445218	1080206	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	394571	12934 615665	28723 1049195	66096 928853	177798	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	11799 1361892	65980 2035418	135288 3408737	267664 3085730	653779	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	226043	7674 349036	17102 593687	37608 539112	102063	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Qua	444005	13261 689685	30038 1184303	72363 1064143	200956	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	19920 1991799	92415 3073293	189757 5132615	385979 4675894	948455	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,5,6-Tetrachlorophenol	ANT	Ave	396818	13375 614787	31327 1035587	67024 924029	186352	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	1513449	69007 2343096	143148 4041181	281309 3593483	725800	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	782567	33574 1162318	74611 1987312	150307 1748364	362616	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Qua	389910	11766 601597	29767 1024556	69104 904568	184371	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	14541 1639050	75260 2470279	157705 4078515	316575 3734212	775737	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	1196917	48479 1828202	103574 3139006	229170 2794355	557916	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	1667611	70470 2591614	150391 4392481	314576 3920417	791558	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	1667682	70470 2591614	149488 4392962	314156 3920417	791545	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	439508	20216 674593	39331 1120053	79534 999726	207879	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	4345 438431	21486 662379	43253 1115873	84396 998152	212637	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	341754	11621 498220	30861 787545	63939 719727	163869	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Qua	598614	15165 955144	41969 1569637	104950 1450927	287148	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	23225 2260189	110046 3476136	220519 5971362	433106 5330724	1068922	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	18837 2353100	101682 3680078	217474 6267637	430381 5594055	1112637	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	2277045	93434 3568538	197951 6046967	408478 5414909	1093203	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	2651212	90362 4070394	210054 7068549	458237 6436053	1246760	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	20262 2660336	110763 4122306	235226 7078899	484691 6279316	1244553	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Qua	1469820	27899 2388297	76576 4126710	214814 3730708	655520	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	22058 2816771	115570 4348537	245503 7417941	521365 6663115	1307380	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Qua	1133141	32519 1768738	88541 3041849	195105 2723023	540090	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dimethoxybenzidine	CRY	Qua	579861	6711 973101	20339 1703500	62050 1502602	239684	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17810-1 Analy Batch No.: 64102

SDG No.:

Instrument ID: A4HP7 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/07/2012 11:44 Calibration End Date: 11/07/2012 14:51 Calibration ID: 12247

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Qua	969006	27172 1489461	67080 2485326	166325 2222486	446705	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,4'-Methylene bis(2-chloroaniline)	CRY	Qua	443048	11161 692599	32199 1150023	76535 1060036	209164	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Qua	1589061	41362 2497259	115915 4342850	268071 3834094	765063	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	20154 2409756	102866 3764867	212829 6432402	448512 5770519	1166326	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	21017 2308021	98168 3527188	208048 5976490	417152 5395172	1076954	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Qua	2499506	43155 4101786	141890 7366681	381659 6486699	1241516	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	14882 2379256	86780 3799785	194423 6761810	410977 5752475	1148363	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	16988 2696900	84980 4057783	228277 6927834	461295 6401152	1192893	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Qua	11224 2370709	72665 3697959	170963 6389303	397256 5751071	1095766	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Qua	12509 2551684	78803 4034138	201147 6972181	442121 6209963	1254415	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Qua	10312 2196359	52116 3427896	160063 5905981	374654 5198411	1014317	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	13397 2207668	66135 3417401	171531 5973870	392925 5328943	1056181	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	703304	31806 1084134	64360 1776893	133975 1608759	348345	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	897045	38471 1401532	81760 2282025	168861 2055113	446436	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	6483 788287	35037 1231341	69774 2011974	148067 1807783	385038	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	14545 1612497	70370 2490882	156787 4176600	312106 3709926	779335	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	211519	8328 329077	17989 542442	40652 492588	98030	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	13394 1624778	67286 2500174	150800 4196729	292869 3740756	766600	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107002.D		
Lims ID:	std5 tcl	Client ID:	
Inject. Date:	07-Nov-2012 11:44:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0014744-002		
Misc. Info.:	std5 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	64102	Lims Sample ID:	2
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:05	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: ulmanm		Date:	07-Nov-2012 12:04:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	96	216888	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	832156	4.00	
* 3 Acenaphthene-d10	164	8.509	8.509	0.0	93	471163	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	98	800140	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	93	815929	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	92	672229	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	88	348345	5.20	
$ 8 Phenol-d5	99	5.540	5.540	0.0	88	446436	5.24	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	87	385038	5.26	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	100	779335	5.10	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	86	98030	5.03	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	99	766600	5.07	
24 1,4-Dioxane	88	2.507	2.502	0.005	91	142017	5.64	M
25 N-Nitrosodimethylamine	74	2.946	2.946	0.0	87	212159	5.08	
26 Pyridine	79	3.010	3.005	0.005	96	374604	5.19	
27 Ethyl methacrylate	69	3.641	3.641	0.0	90	312745	5.22	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	88	210933	5.27	
32 Malononitrile	66	4.342	4.342	0.0	98	390867	5.18	
40 Benzaldehyde	77	5.508	5.508	0.0	96	298755	5.28	
41 Phenol	94	5.551	5.551	0.0	99	458900	5.06	
43 Aniline	93	5.599	5.599	0.0	98	568878	5.01	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	93	347012	4.95	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	371385	5.07	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	389651	4.93	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	91	389514	4.96	
49 Benzyl alcohol	108	6.011	6.011	0.0	92	223988	4.96	
50 1,2-Dichlorobenzene	146	6.054	6.054	0.0	95	375084	5.01	
51 2-Methylphenol	108	6.096	6.096	0.0	94	336260	5.08	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	91	506864	4.93	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.225	6.230	-0.005	97	348410	5.02	
56 N-Nitrosodi-n-propylamine	70	6.241	6.246	-0.005	88	254602	5.18	
57 Acetophenone	105	6.251	6.251	0.0	92	496471	5.06	
60 Hexachloroethane	117	6.353	6.353	0.0	93	159343	4.99	
61 Nitrobenzene	77	6.401	6.401	0.0	80	380712	5.03	
63 Isophorone	82	6.604	6.605	0.0	98	683437	5.15	
65 2-Nitrophenol	139	6.679	6.679	0.0	93	188786	5.31	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	93	335399	5.08	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	92	348751	4.99	
69 Benzoic acid	122	6.738	6.760	-0.022	84	415455	9.81	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	99	428717	5.09	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	96	282075	5.10	
72 1,2,4-Trichlorobenzene	180	6.963	6.958	0.005	89	330090	5.01	
73 Naphthalene	128	7.032	7.032	0.0	95	1053202	5.07	
74 4-Chloroaniline	127	7.064	7.064	0.0	86	445160	5.02	
77 Hexachlorobutadiene	225	7.134	7.129	0.005	92	169782	4.75	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	88	308962	0	
83 Caprolactam	113	7.343	7.348	-0.005	74	100915	4.78	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	96	301893	5.08	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	89	666699	5.01	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	86	645006	5.10	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	91	333308	5.20	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	88	193605	5.07	
90 2,4,6-Trichlorophenol	196	7.851	7.845	0.006	90	207440	5.22	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	95	217393	5.08	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	99	234302	5.53	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	93	308929	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	94	837098	5.03	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	96	646125	4.97	
100 2-Nitroaniline	65	8.107	8.107	0.0	82	192655	5.04	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	684216	4.94	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	89	143744	4.74	
106 1,2-Dinitrobenzene	168	8.353	8.354	-0.001	88	77035	5.02	
107 Acenaphthylene	152	8.391	8.391	0.0	91	1080206	5.03	
108 3-Nitroaniline	138	8.450	8.450	0.0	95	177798	5.13	
110 Acenaphthene	153	8.535	8.535	0.0	82	653779	5.06	
109 2,4-Dinitrophenol	184	8.535	8.535	0.0	59	178806	9.51	
111 4-Nitrophenol	109	8.562	8.562	0.0	92	102063	5.12	
112 2,4-Dinitrotoluene	165	8.648	8.648	0.0	88	200956	4.91	
114 Dibenzofuran	168	8.680	8.680	0.0	87	948455	4.94	
115 2,3,5,6-Tetrachlorophenol	232	8.739	8.733	0.006	87	186352	5.28	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	725800	5.02	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	91	362616	4.98	
123 4-Nitroaniline	138	8.969	8.969	0.0	87	184371	4.98	
124 Fluorene	166	8.974	8.969	0.005	82	775737	5.04	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	82	116255	4.83	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	557916	5.06	
129 1,2-Diphenylhydrazine	77	9.092	9.092	0.0	0	791558	5.08	
131 Azobenzene	77	9.092	9.092	0.0	99	791545	5.08	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	63	207879	5.09	
139 Hexachlorobenzene	284	9.434	9.434	0.0	86	212637	5.06	
140 Atrazine	200	9.487	9.482	0.005	93	163869	5.46	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	89	287148	10.4	
146 Phenanthrene	178	9.787	9.787	0.0	97	1068922	4.89	
147 Anthracene	178	9.830	9.830	0.0	97	1112637	5.12	
149 Carbazole	167	9.953	9.953	0.0	82	1093203	5.18	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	1246760	5.26	
157 Fluoranthene	202	10.792	10.792	0.0	98	1244553	5.16	
158 Benzidine	184	10.889	10.894	-0.005	98	655520	5.02	
160 Pyrene	202	11.001	11.001	0.0	96	1307380	5.02	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	96	540090	5.18	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	91	239684	4.78	
173 3,3'-Dichlorobenzidine	252	12.237	12.237	0.0	63	446705	5.04	
172 4,4'-Methylene bis(2-chloroanili	231	12.237	12.237	0.0	65	209164	5.19	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	96	765063	5.21	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	98	1166326	5.12	
176 Chrysene	228	12.338	12.338	0.0	95	1076954	4.96	
178 Di-n-octyl phthalate	149	13.173	13.167	0.006	99	1241516	5.36	
180 Benzo[b]fluoranthene	252	13.788	13.788	0.0	95	1148363	5.36	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	90	1192893	5.12	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	77	1095766	5.08	
186 Indeno[1,2,3-cd]pyrene	276	16.013	16.007	0.006	94	1254415	5.26	
187 Dibenz(a,h)anthracene	278	16.039	16.040	-0.001	71	1014317	5.00	
188 Benzo[g,h,i]perylene	276	16.451	16.446	0.005	90	1056181	5.49	
S 189 Methyl Phenols,Total	100				0		5.08	

QC Flag Legend

Review Flags
M - Manually Integrated

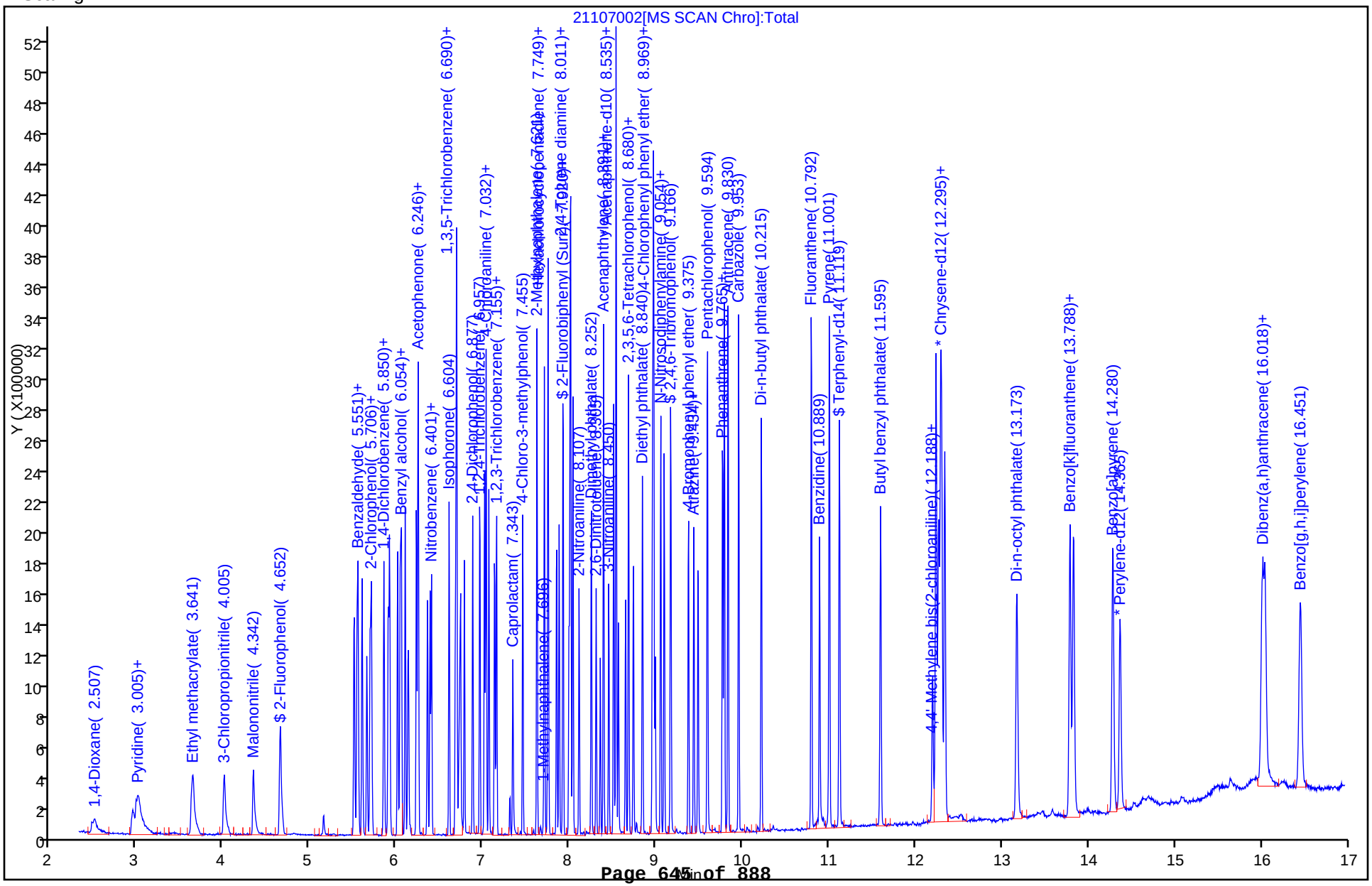
Report Date: 08-Nov-2012 13:38:05 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107002.D

Injection Date:	07-Nov-2012 11:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

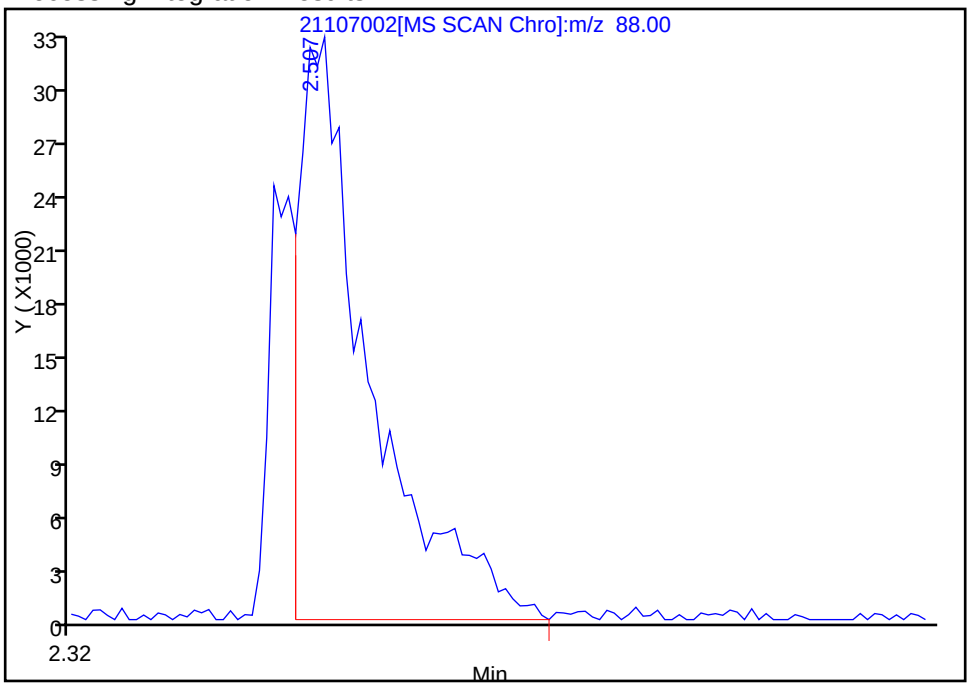
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107002.D		
Injection Date:	07-Nov-2012 11:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.50

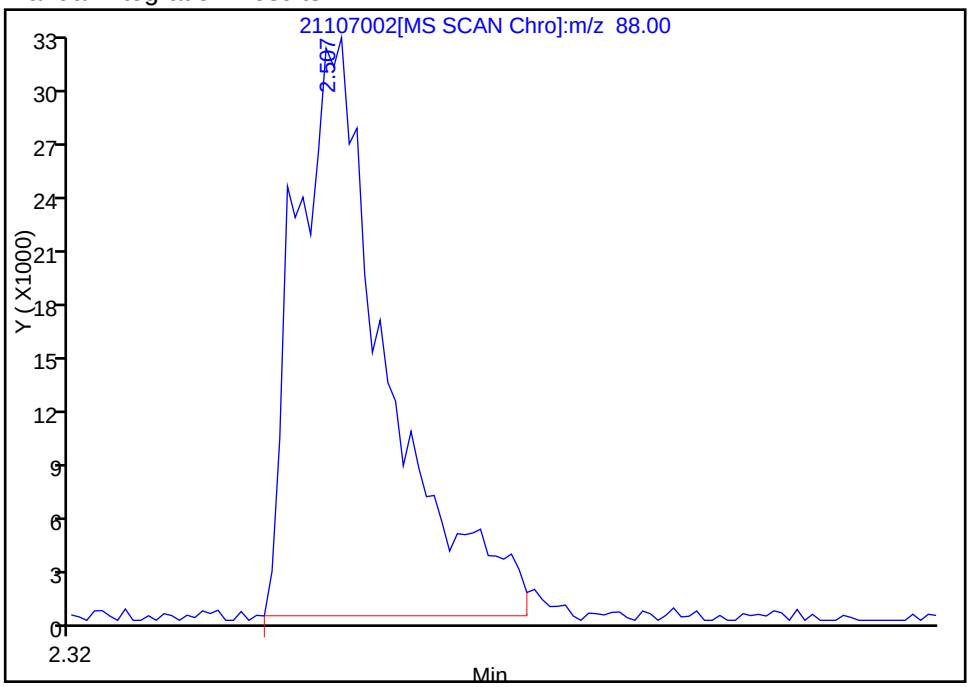
Processing Integration Results

RT: 2.51
Response: 119596
Amount: 5.211492



Manual Integration Results

RT: 2.51
Response: 142017
Amount: 5.642357



Reviewer: gruberj, 07-Nov-2012 14:47:55
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107003.D		
Lims ID:	std4 tcl	Client ID:	
Inject. Date:	07-Nov-2012 12:07:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0014744-003		
Misc. Info.:	std4 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	64102	Lims Sample ID:	3
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:06	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:47:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	97	222465	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	848347	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	92	480198	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	98	804821	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	97	801741	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	97	668413	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	90	133975	1.95	
$ 8 Phenol-d5	99	5.540	5.540	0.0	94	168861	1.93	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	84	148067	1.99	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	100	312106	2.00	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	88	40652	2.05	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	98	292869	1.97	
24 1,4-Dioxane	88	2.502	2.502	0.0	91	55904	2.17	
25 N-Nitrosodimethylamine	74	2.946	2.946	0.0	83	71522	1.92	
26 Pyridine	79	3.015	3.005	0.010	94	149530	2.02	
27 Ethyl methacrylate	69	3.636	3.641	-0.005	89	124158	2.02	
28 3-Chloropropionitrile	54	4.010	4.005	0.005	88	76071	1.85	
32 Malononitrile	66	4.342	4.342	0.0	97	155901	2.01	
40 Benzaldehyde	77	5.508	5.508	0.0	92	122662	2.11	
41 Phenol	94	5.551	5.551	0.0	98	190407	2.05	
43 Aniline	93	5.599	5.599	0.0	98	229723	1.97	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	92	140402	1.95	
46 2-Chlorophenol	128	5.706	5.706	0.0	95	145623	1.94	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	159793	1.97	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	83	159665	1.98	
49 Benzyl alcohol	108	6.011	6.011	0.0	93	89671	1.94	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	94	152018	1.98	
51 2-Methylphenol	108	6.096	6.096	0.0	94	135275	1.99	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	89	210217	1.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.225	6.230	-0.005	96	140272	1.97	
56 N-Nitrosodi-n-propylamine	70	6.241	6.246	-0.005	87	101018	2.01	
57 Acetophenone	105	6.246	6.251	-0.005	92	201660	2.01	
60 Hexachloroethane	117	6.353	6.353	0.0	93	63158	1.93	
61 Nitrobenzene	77	6.401	6.401	0.0	86	155054	2.01	
63 Isophorone	82	6.604	6.605	0.0	97	267180	1.97	
65 2-Nitrophenol	139	6.679	6.679	0.0	92	70506	1.94	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	91	132978	1.98	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	91	142902	2.00	
69 Benzoic acid	122	6.722	6.760	-0.038	82	132117	4.06	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	98	175010	2.04	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	95	110980	1.97	
72 1,2,4-Trichlorobenzene	180	6.957	6.958	-0.001	88	133494	1.99	
73 Naphthalene	128	7.032	7.032	0.0	95	417095	1.97	
74 4-Chloroaniline	127	7.064	7.064	0.0	84	180927	2.00	
77 Hexachlorobutadiene	225	7.128	7.129	-0.001	95	72425	1.99	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	88	125746	0	
83 Caprolactam	113	7.337	7.348	-0.011	76	38238	2.01	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	92	117925	1.95	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	89	269497	1.99	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	84	267037	2.07	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	95	128013	1.96	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	80	75700	1.95	
90 2,4,6-Trichlorophenol	196	7.845	7.845	0.0	90	76952	1.90	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	95	85752	1.97	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	97	94573	2.19	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	83	129065	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	88	334018	1.97	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	95	267168	2.01	
100 2-Nitroaniline	65	8.107	8.107	0.0	82	72790	1.87	
103 Dimethyl phthalate	163	8.246	8.252	-0.006	98	274388	1.95	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	85	49544	1.87	
106 1,2-Dinitrobenzene	168	8.353	8.354	-0.001	84	30109	1.92	
107 Acenaphthylene	152	8.391	8.391	0.0	92	430961	1.97	
108 3-Nitroaniline	138	8.450	8.450	0.0	93	66096	1.87	
110 Acenaphthene	153	8.535	8.535	0.0	92	267664	2.03	
109 2,4-Dinitrophenol	184	8.535	8.535	0.0	58	59512	4.64	
111 4-Nitrophenol	109	8.562	8.562	0.0	87	37608	1.85	
112 2,4-Dinitrotoluene	165	8.647	8.648	-0.001	92	72363	1.96	
114 Dibenzofuran	168	8.680	8.680	0.0	89	385979	1.97	
115 2,3,5,6-Tetrachlorophenol	232	8.733	8.733	0.0	80	67024	1.86	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	281309	1.91	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	90	150307	2.02	
123 4-Nitroaniline	138	8.963	8.969	-0.006	86	69104	2.01	
124 Fluorene	166	8.968	8.969	-0.001	91	316575	2.02	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	79	35487	1.94	
130 N-Nitrosodiphenylamine	169	9.049	9.049	0.0	0	229170	2.06	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	314576	2.01	
131 Azobenzene	77	9.091	9.092	-0.001	98	314156	2.01	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	60	79534	1.94	
139 Hexachlorobenzene	284	9.434	9.434	0.0	93	84396	2.00	
140 Atrazine	200	9.482	9.482	0.0	86	63939	2.12	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	90	104950	4.04	
146 Phenanthrene	178	9.787	9.787	0.0	96	433106	1.97	
147 Anthracene	178	9.830	9.830	0.0	97	430381	1.97	
149 Carbazole	167	9.953	9.953	0.0	82	408478	1.92	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	458237	1.92	
157 Fluoranthene	202	10.792	10.792	0.0	98	484691	2.00	
158 Benzidine	184	10.889	10.894	-0.005	98	214814	1.97	
160 Pyrene	202	11.001	11.001	0.0	97	521365	2.04	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	96	195105	2.01	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	88	62050	1.81	
173 3,3'-Dichlorobenzidine	252	12.236	12.237	-0.001	69	166325	2.04	
172 4,4'-Methylene bis(2-chloroanili	231	12.236	12.237	-0.001	70	76535	2.04	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	96	268071	2.00	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	96	448512	2.00	
176 Chrysene	228	12.338	12.338	0.0	92	417152	1.96	
178 Di-n-octyl phthalate	149	13.172	13.167	0.005	99	381659	1.91	
180 Benzo[b]fluoranthene	252	13.788	13.788	0.0	93	410977	1.93	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	97	461295	1.99	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	76	397256	1.95	
186 Indeno[1,2,3-cd]pyrene	276	16.013	16.007	0.006	98	442121	1.94	
187 Dibenz(a,h)anthracene	278	16.039	16.040	-0.001	75	374654	1.97	
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	94	392925	2.05	
S 189 Methyl Phenols,Total	100				0		1.99	

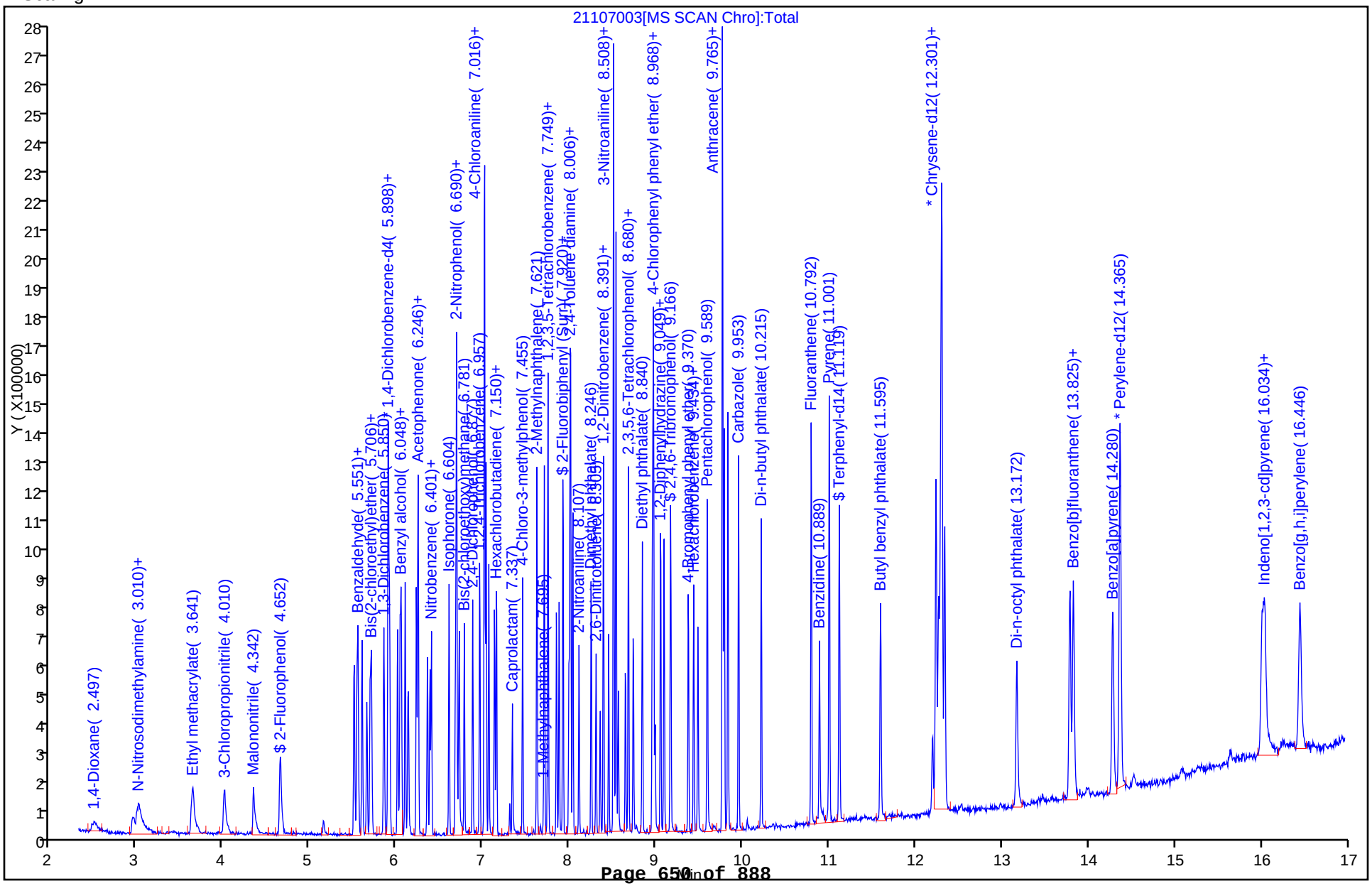
Report Date: 08-Nov-2012 13:38:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107003.D

Injection Date:	07-Nov-2012 12:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107004.D
Lims ID: std3 tcl
Client ID:
Inject. Date: 07-Nov-2012 12:31:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 3
Sample ID: 240-0014744-004
Misc. Info.: std3 tcl
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 64102
Lims Sample ID: 4
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m
Last Update: 08-Nov-2012 13:38:07
Calib Date: 07-Nov-2012 14:51:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: gruberj
Date: 07-Nov-2012 14:47:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.904	5.898	0.006	94	218870	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	850749	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	91	482907	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	98	819100	4.00	
* 5 Chrysene-d12	240	12.301	12.301	0.0	90	803775	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	92	656353	4.00	
$ 7 2-Fluorophenol	112	4.657	4.652	0.005	86	64360	0.9513	
$ 8 Phenol-d5	99	5.540	5.540	0.0	94	81760	0.9519	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	87	69774	0.9328	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	99	156787	1.00	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	90	17989	0.9005	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	97	150800	1.01	
24 1,4-Dioxane	88	2.507	2.502	0.005	84	23164	0.9120	M
25 N-Nitrosodimethylamine	74	2.946	2.946	0.0	86	28816	1.00	
26 Pyridine	79	3.015	3.005	0.010	94	65639	0.9018	M
27 Ethyl methacrylate	69	3.636	3.641	-0.005	89	59659	0.9864	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	85	33652	0.8338	
32 Malononitrile	66	4.347	4.342	0.005	96	66484	0.8732	
40 Benzaldehyde	77	5.508	5.508	0.0	92	62570	1.10	
41 Phenol	94	5.551	5.551	0.0	97	89598	0.9783	
43 Aniline	93	5.599	5.599	0.0	95	111747	0.9757	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	89	69570	0.9835	
46 2-Chlorophenol	128	5.706	5.706	0.0	96	72394	0.9785	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	79469	1.00	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	89	84247	1.06	
49 Benzyl alcohol	108	6.011	6.011	0.0	89	44492	0.9759	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	93	74698	0.9890	
51 2-Methylphenol	108	6.096	6.096	0.0	95	63472	0.9508	
52 2,2'-oxybis[1-chloropropane]	45	6.128	6.134	-0.006	91	105528	1.02	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.225	6.230	-0.005	95	65029	0.9292	
56 N-Nitrosodi-n-propylamine	70	6.241	6.246	-0.005	85	46353	0.9352	
57 Acetophenone	105	6.246	6.251	-0.005	89	97459	0.9852	
60 Hexachloroethane	117	6.353	6.353	0.0	89	31442	0.9765	
61 Nitrobenzene	77	6.401	6.401	0.0	86	73250	0.9475	
63 Isophorone	82	6.604	6.605	0.0	97	126950	0.9355	
65 2-Nitrophenol	139	6.679	6.679	0.0	94	30847	0.8480	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	91	71625	1.06	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	95	73913	1.03	
69 Benzoic acid	122	6.717	6.760	-0.043	85	46025	2.35	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	97	85844	1.00	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	94	51449	0.9104	
72 1,2,4-Trichlorobenzene	180	6.957	6.958	-0.001	91	67950	1.01	
73 Naphthalene	128	7.032	7.032	0.0	96	207949	0.9782	
74 4-Chloroaniline	127	7.064	7.064	0.0	91	85983	0.9489	
77 Hexachlorobutadiene	225	7.128	7.129	-0.001	89	37357	1.02	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	83	63252	0	
83 Caprolactam	113	7.337	7.348	-0.011	73	15825	1.09	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	93	57414	0.9458	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	88	132969	0.9779	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	84	127733	0.9872	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	96	66113	1.01	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	76	35037	0.8953	
90 2,4,6-Trichlorophenol	196	7.845	7.845	0.0	92	36798	0.9040	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	92	40304	0.9192	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	96	48429	1.12	
96 1,2,3,4 -Tetrachlorobenzene	216	8.000	8.001	-0.001	96	63917	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	92	166955	0.9789	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	95	132416	0.99	
100 2-Nitroaniline	65	8.107	8.107	0.0	76	32751	0.8367	
103 Dimethyl phthalate	163	8.246	8.252	-0.006	97	134112	0.9456	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	89	23611	1.10	
106 1,2-Dinitrobenzene	168	8.353	8.354	-0.001	84	12508	0.7949	
107 Acenaphthylene	152	8.391	8.391	0.0	94	204149	0.9268	
108 3-Nitroaniline	138	8.450	8.450	0.0	91	28723	0.8090	
110 Acenaphthene	153	8.535	8.535	0.0	85	135288	1.02	
109 2,4-Dinitrophenol	184		8.535					9
111 4-Nitrophenol	109	8.562	8.562	0.0	85	17102	0.8364	
112 2,4-Dinitrotoluene	165	8.647	8.648	-0.001	83	30038	1.01	
114 Dibenzofuran	168	8.680	8.680	0.0	87	189757	0.9652	
115 2,3,5,6-Tetrachlorophenol	232	8.738	8.733	0.005	90	31327	0.8667	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	143148	0.9655	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	91	74611	1.00	
123 4-Nitroaniline	138	8.963	8.969	-0.006	82	29767	1.02	
124 Fluorene	166	8.968	8.969	-0.001	83	157705	1.00	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	77	15094	1.20	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	103574	0.9169	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	150391	0.9434	
131 Azobenzene	77	9.091	9.092	-0.001	98	149488	0.9378	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	64	39331	0.9414	
139 Hexachlorobenzene	284	9.434	9.434	0.0	88	43253	1.01	
140 Atrazine	200	9.482	9.482	0.0	86	30861	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	85	41969	1.82	
146 Phenanthrene	178	9.787	9.787	0.0	92	220519	0.9854	
147 Anthracene	178	9.830	9.830	0.0	96	217474	0.9782	
149 Carbazole	167	9.953	9.953	0.0	81	197951	0.9165	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	210054	0.8660	
157 Fluoranthene	202	10.792	10.792	0.0	97	235226	0.9518	
158 Benzidine	184	10.889	10.894	-0.005	85	76576	0.9624	
160 Pyrene	202	11.001	11.001	0.0	97	245503	0.9572	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	94	88541	0.9803	
170 3,3'-Dimethoxybenzidine	244	12.194	12.194	0.0	82	20339	1.08	
173 3,3'-Dichlorobenzidine	252	12.236	12.237	-0.001	66	67080	0.9393	
172 4,4'-Methylene bis(2-chloroanili	231	12.236	12.237	-0.001	71	32199	0.9294	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	95	115915	0.9752	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	93	212829	0.9488	
176 Chrysene	228	12.338	12.338	0.0	88	208048	0.9732	
178 Di-n-octyl phthalate	149	13.172	13.167	0.005	97	141890	0.9318	
180 Benzo[b]fluoranthene	252	13.782	13.788	-0.006	92	194423	0.9286	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	96	228277	1.00	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	77	170963	0.9194	
186 Indeno[1,2,3-cd]pyrene	276	16.007	16.007	0.0	97	201147	0.9427	
187 Dibenz(a,h)anthracene	278	16.039	16.040	-0.001	65	160063	0.9548	
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	90	171531	0.9128	
S 189 Methyl Phenols,Total	100				0		0.9508	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

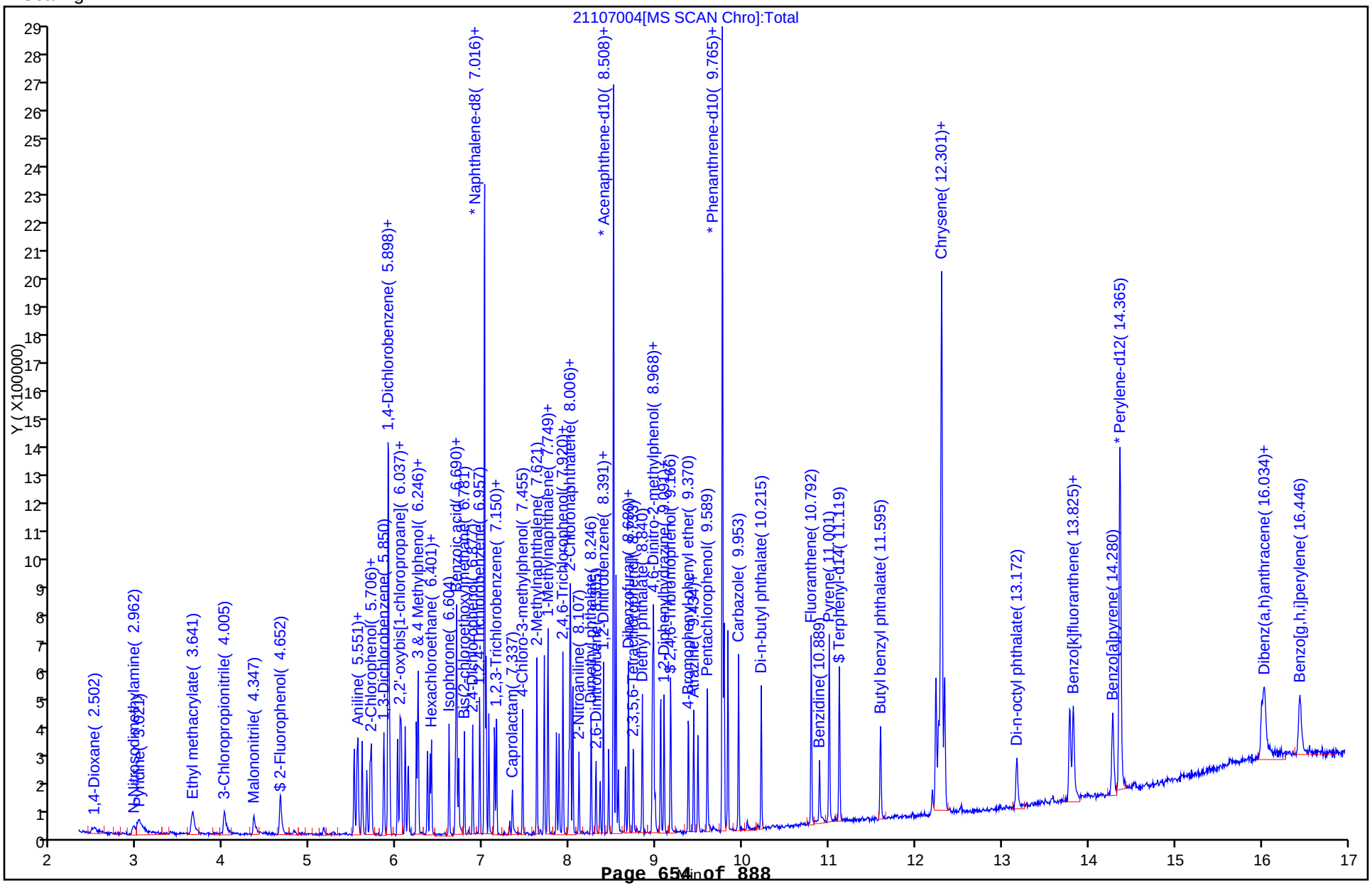
Report Date: 08-Nov-2012 13:38:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107004.D

Injection Date:	07-Nov-2012 12:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

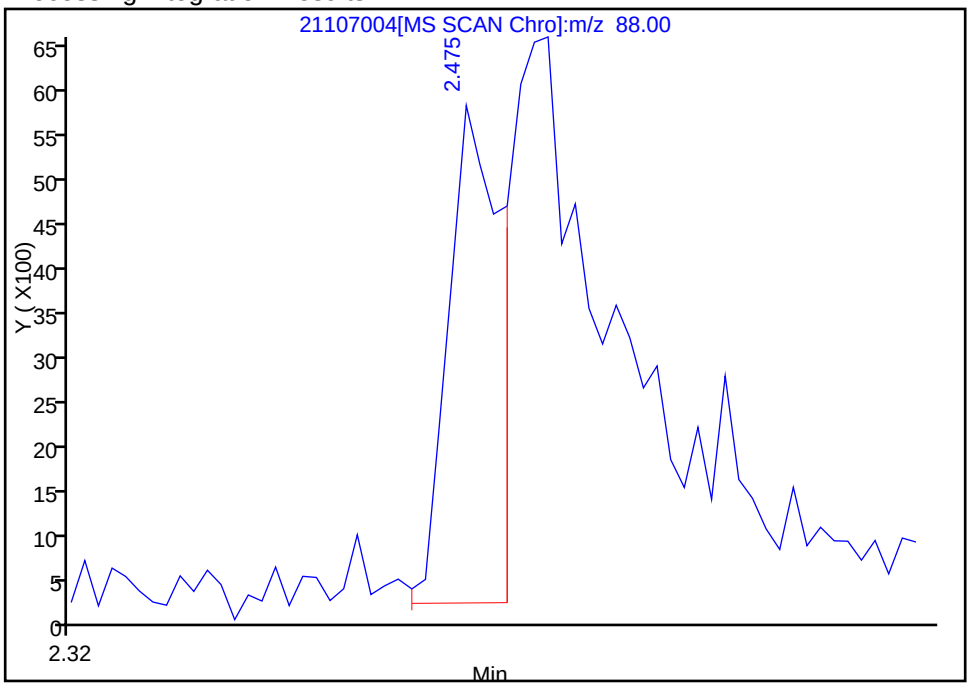
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107004.D		
Injection Date:	07-Nov-2012 12:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.50

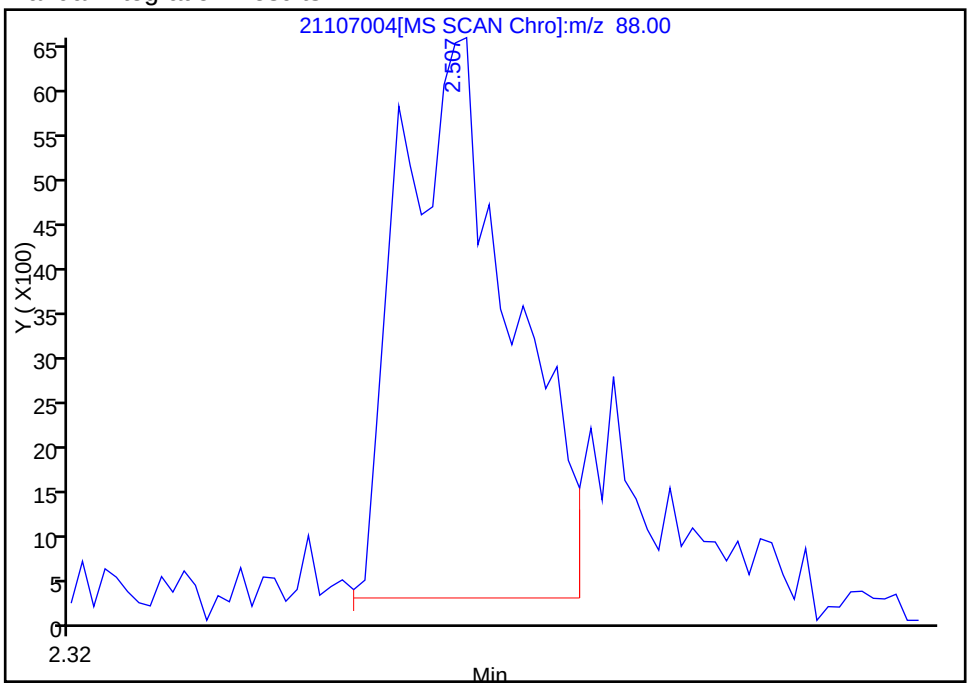
Processing Integration Results

RT: 2.48
Response: 8236
Amount: 0.391712



Manual Integration Results

RT: 2.51
Response: 23164
Amount: 0.911975



Reviewer: gruberj, 07-Nov-2012 14:47:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

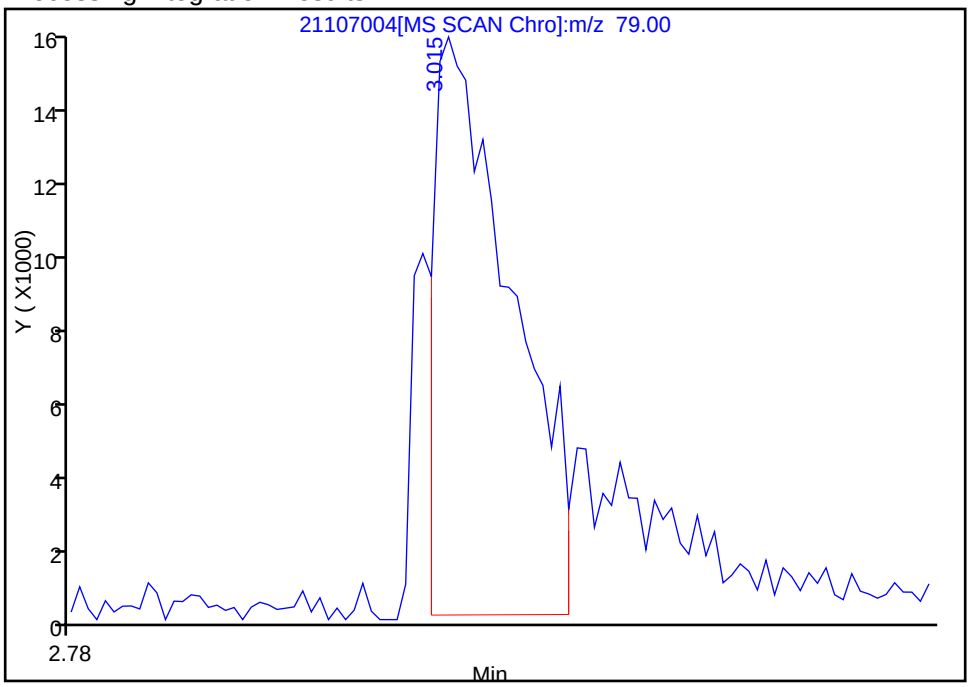
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107004.D		
Injection Date:	07-Nov-2012 12:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.00

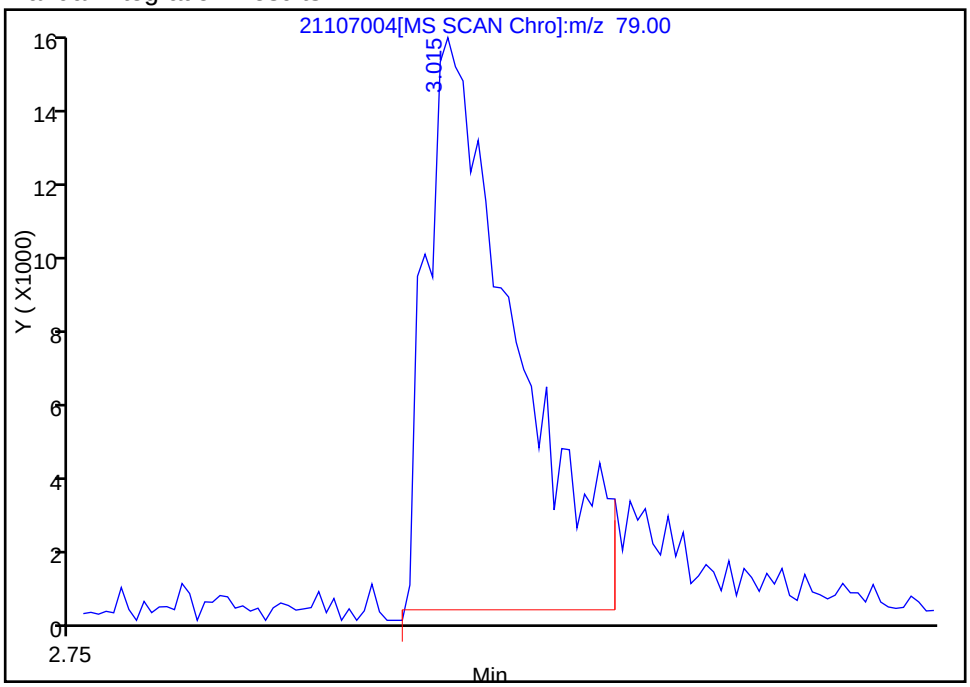
Processing Integration Results

RT: 3.02
Response: 52039
Amount: 0.942352



Manual Integration Results

RT: 3.02
Response: 65639
Amount: 0.901781



Reviewer: gruberj, 07-Nov-2012 14:49:02
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Lims ID:	std2 tcl	Client ID:	
Inject. Date:	07-Nov-2012 12:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0014744-005		
Misc. Info.:	std2 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	64102	Lims Sample ID:	5
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:09	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:50:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	96	217253	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	836850	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	89	468517	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	98	793496	4.00	
* 5 Chrysene-d12	240	12.301	12.301	0.0	98	784074	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	96	621997	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	78	31806	0.4736	
$ 8 Phenol-d5	99	5.540	5.540	0.0	81	38471	0.4512	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	84	35037	0.4762	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	99	70370	0.4630	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	76	8328	0.4297	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	95	67286	0.4634	
24 1,4-Dioxane	88	2.513	2.502	0.011	86	11562	0.4586	M
25 N-Nitrosodimethylamine	74	2.967	2.946	0.021	0	16701	0.7389	M
26 Pyridine	79	3.026	3.005	0.021	77	27577	0.3817	M
27 Ethyl methacrylate	69	3.625	3.641	-0.016	82	27799	0.4631	M
28 3-Chloropropionitrile	54	4.005	4.005	0.0	72	18024	0.4499	
32 Malononitrile	66	4.342	4.342	0.0	85	28334	0.3749	M
40 Benzaldehyde	77	5.503	5.508	-0.005	89	31159	0.5501	
41 Phenol	94	5.551	5.551	0.0	95	40912	0.4500	
43 Aniline	93	5.599	5.599	0.0	97	54295	0.4776	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	89	35302	0.5028	
46 2-Chlorophenol	128	5.706	5.706	0.0	94	35434	0.4825	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	94	40215	0.5080	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	68	38155	0.4852	
49 Benzyl alcohol	108	6.011	6.011	0.0	91	19926	0.4403	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	94	38122	0.5085	
51 2-Methylphenol	108	6.096	6.096	0.0	90	30361	0.4582	
52 2,2'-oxybis[1-chloropropane]	45	6.128	6.134	-0.006	91	51009	0.4950	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.225	6.230	-0.005	96	33473	0.4819	
56 N-Nitrosodi-n-propylamine	70	6.241	6.246	-0.005	87	22365	0.4546	
57 Acetophenone	105	6.246	6.251	-0.005	91	48366	0.4926	
60 Hexachloroethane	117	6.353	6.353	0.0	83	17373	0.5436	
61 Nitrobenzene	77	6.401	6.401	0.0	87	34749	0.4569	
63 Isophorone	82	6.604	6.605	0.0	93	57372	0.4298	
65 2-Nitrophenol	139	6.679	6.679	0.0	90	14494	0.4051	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	94	32662	0.4922	
64 2,4-Dimethylphenol	107	6.690	6.695	-0.005	92	31245	0.4442	
69 Benzoic acid	122		6.760					
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	93	40685	0.4799	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	90	25326	0.4556	
72 1,2,4-Trichlorobenzene	180	6.957	6.958	-0.001	88	33761	0.5092	
73 Naphthalene	128	7.032	7.032	0.0	90	104432	0.4994	
74 4-Chloroaniline	127	7.064	7.064	0.0	85	40420	0.4535	
77 Hexachlorobutadiene	225	7.129	7.129	0.0	88	18988	0.5288	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	83	32041	0	
83 Caprolactam	113	7.337	7.348	-0.011	69	5367	0.6707	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	93	26283	0.4402	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	91	68907	0.5152	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	84	58790	0.4619	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	94	32952	0.5175	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	77	17829	0.4696	
90 2,4,6-Trichlorophenol	196	7.845	7.845	0.0	85	16515	0.4182	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	85	17442	0.4100	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	91	22739	0.5338	
96 1,2,3,4 -Tetrachlorobenzene	216	8.000	8.001	-0.001	93	29879	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	92	81962	0.4953	
98 2-Chloronaphthalene	162	8.032	8.038	-0.006	88	64920	0.5018	
100 2-Nitroaniline	65	8.107	8.107	0.0	73	16267	0.4283	
103 Dimethyl phthalate	163	8.246	8.252	-0.006	99	65798	0.4782	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	83	10212	0.7138	
106 1,2-Dinitrobenzene	168	8.353	8.354	-0.001	83	6207	0.4066	
107 Acenaphthylene	152	8.391	8.391	0.0	92	102247	0.4784	
108 3-Nitroaniline	138	8.450	8.450	0.0	86	12934	0.3755	
110 Acenaphthene	153	8.535	8.535	0.0	90	65980	0.5134	
109 2,4-Dinitrophenol	184		8.535					9
111 4-Nitrophenol	109	8.562	8.562	0.0	83	7674	0.3868	
112 2,4-Dinitrotoluene	165	8.642	8.648	-0.006	79	13261	0.6485	
114 Dibenzofuran	168	8.680	8.680	0.0	88	92415	0.4845	
115 2,3,5,6-Tetrachlorophenol	232	8.738	8.733	0.005	82	13375	0.3814	
119 Diethyl phthalate	149	8.840	8.840	0.0	94	69007	0.4797	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	88	33574	0.4633	
123 4-Nitroaniline	138	8.963	8.969	-0.006	76	11766	0.5828	
124 Fluorene	166	8.968	8.969	-0.001	94	75260	0.4913	
126 4,6-Dinitro-2-methylphenol	198		8.990					9
130 N-Nitrosodiphenylamine	169	9.049	9.049	0.0	0	48479	0.4430	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	70470	0.4563	
131 Azobenzene	77	9.091	9.092	-0.001	98	70470	0.4563	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	60	20216	0.4995	
139 Hexachlorobenzene	284	9.434	9.434	0.0	82	21486	0.5155	
140 Atrazine	200	9.482	9.482	0.0	79	11621	0.3902	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	73	15165	0.9147	
146 Phenanthrene	178	9.787	9.787	0.0	85	110046	0.5076	
147 Anthracene	178	9.830	9.830	0.0	85	101682	0.4721	
149 Carbazole	167	9.953	9.953	0.0	80	93434	0.4466	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	90362	0.3845	
157 Fluoranthene	202	10.792	10.792	0.0	96	110763	0.4627	
158 Benzidine	184	10.889	10.894	-0.005	91	27899	0.6102	
160 Pyrene	202	11.001	11.001	0.0	97	115570	0.4619	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	92	32519	0.4466	
170 3,3'-Dimethoxybenzidine	244	12.194	12.194	0.0	54	6711	0.8408	
173 3,3'-Dichlorobenzidine	252	12.236	12.237	-0.001	67	27172	0.5060	
172 4,4'-Methylene bis(2-chloroanili	231	12.236	12.237	-0.001	60	11161	0.4106	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	92	41362	0.4789	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	88	102866	0.4701	
176 Chrysene	228	12.338	12.338	0.0	93	98168	0.4707	
178 Di-n-octyl phthalate	149	13.173	13.167	0.005	93	43155	0.5224	
180 Benzo[b]fluoranthene	252	13.782	13.788	-0.006	90	86780	0.4374	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	83	84980	0.3941	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	72	72665	0.4751	
186 Indeno[1,2,3-cd]pyrene	276	16.007	16.007	0.0	87	78803	0.4378	
187 Dibenz(a,h)anthracene	278	16.039	16.040	-0.001	71	52116	0.4390	
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	90	66135	0.3714	
S 189 Methyl Phenols,Total	100				0		0.4582	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

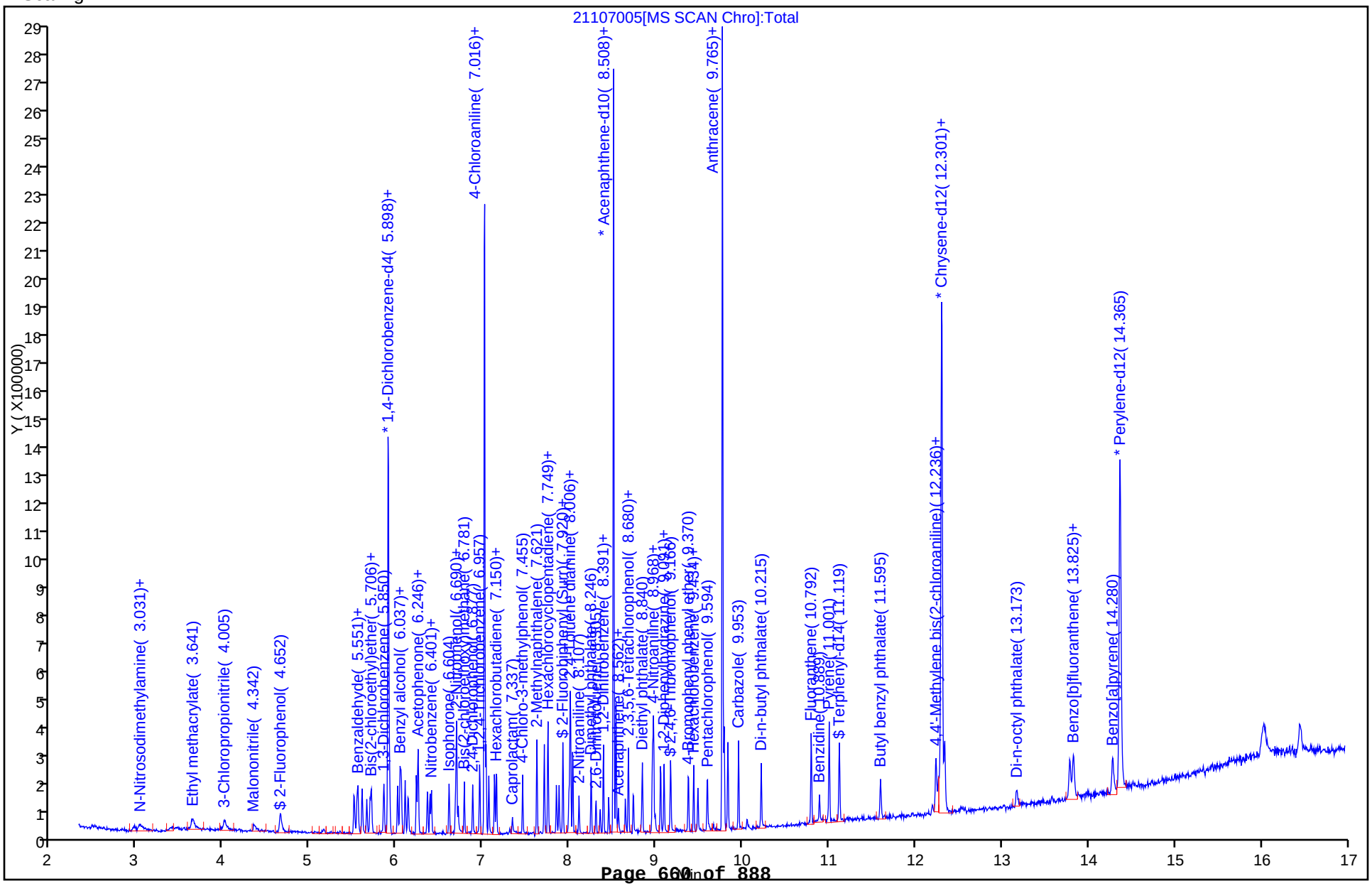
Report Date: 08-Nov-2012 13:38:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D

Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

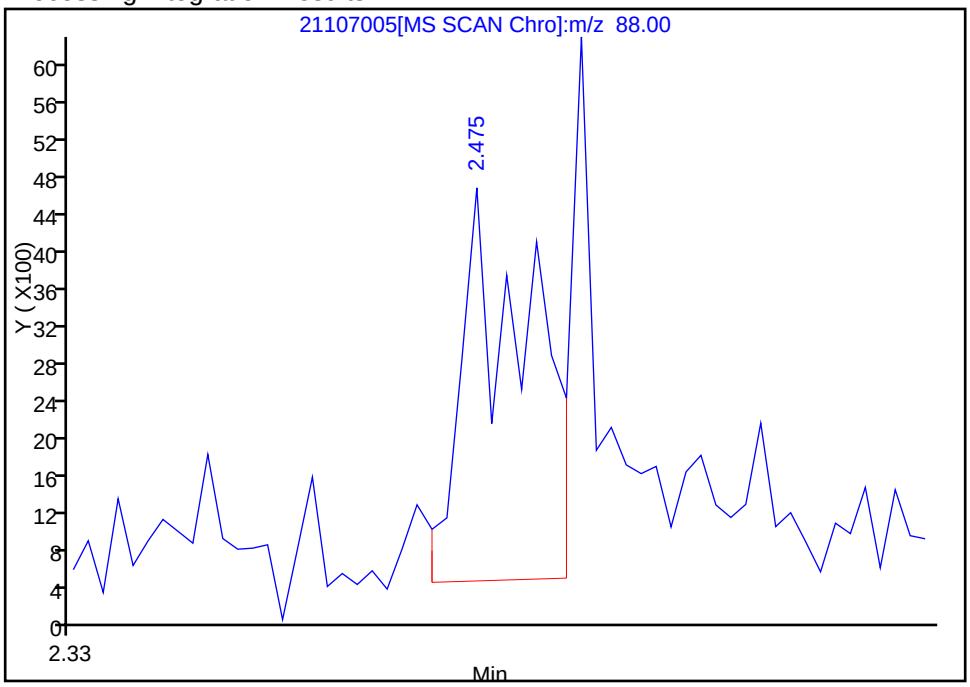
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.50

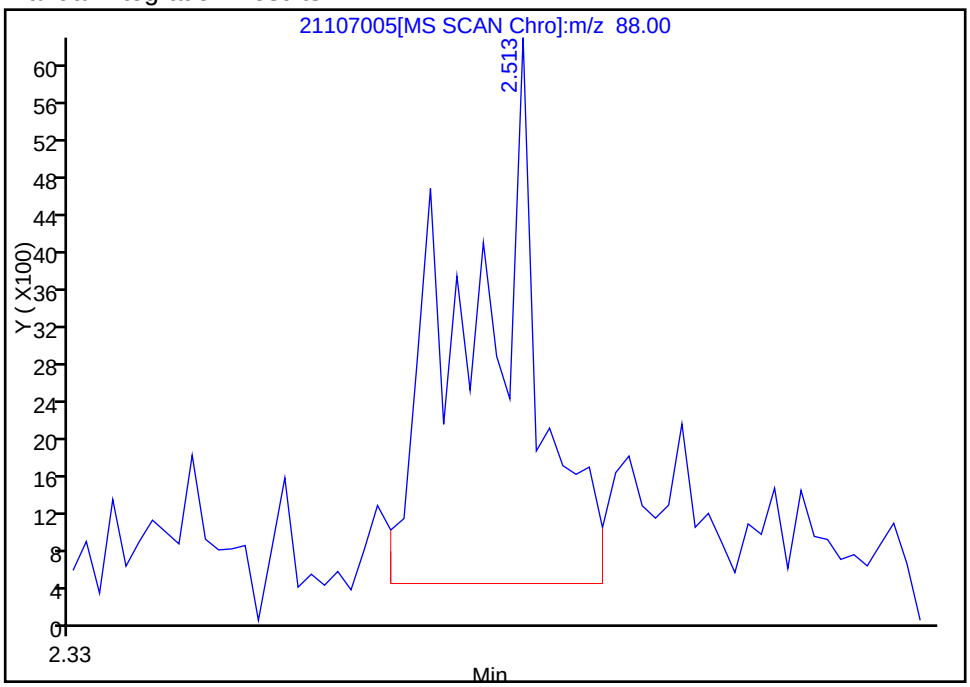
Processing Integration Results

RT: 2.48
Response: 7259
Amount: 0.307210



Manual Integration Results

RT: 2.51
Response: 11562
Amount: 0.458588



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

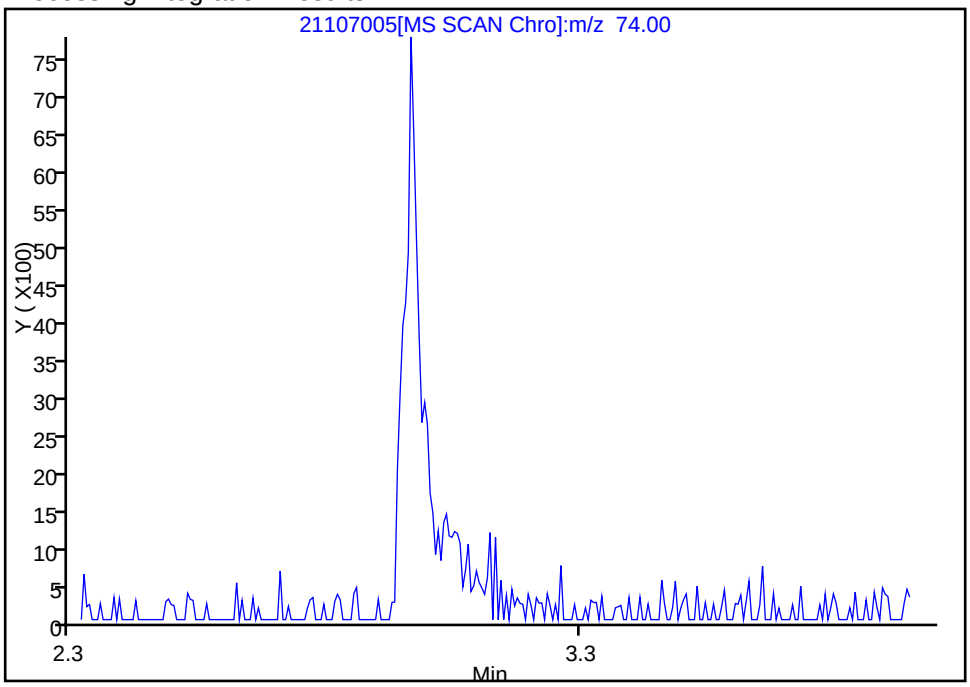
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 2.95

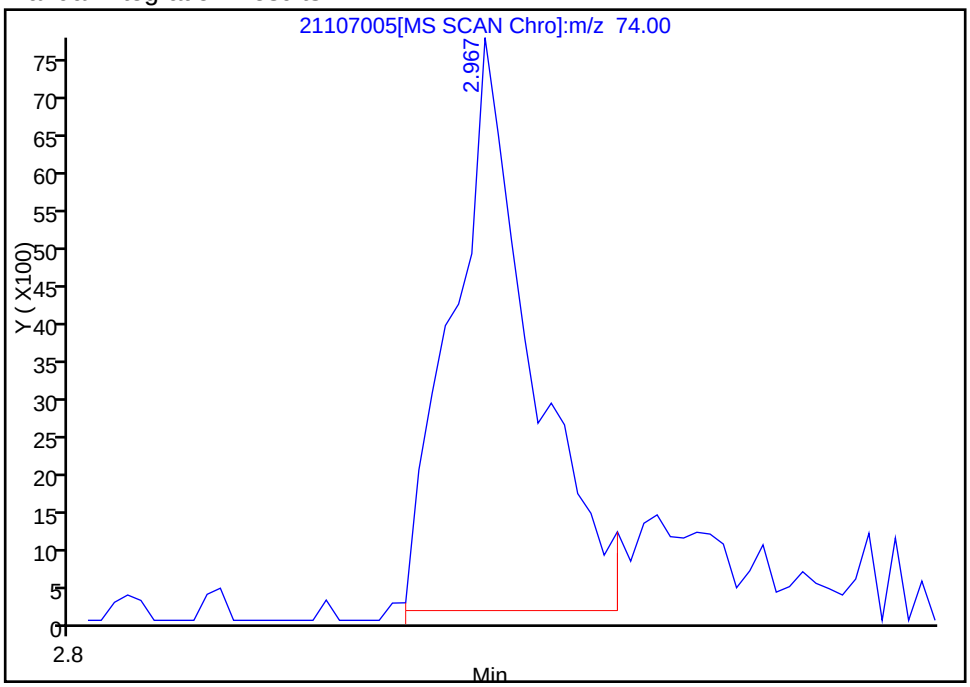
Processing Integration Results

Not Detected
Expected RT: 2.95



Manual Integration Results

RT: 2.97
Response: 16701
Amount: 0.738850



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

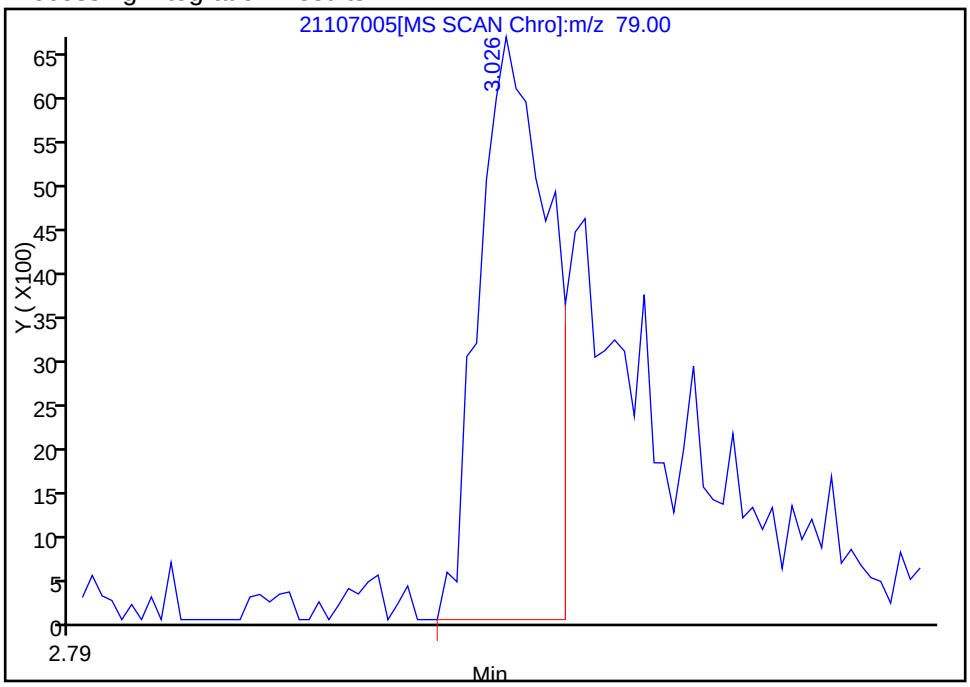
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.00

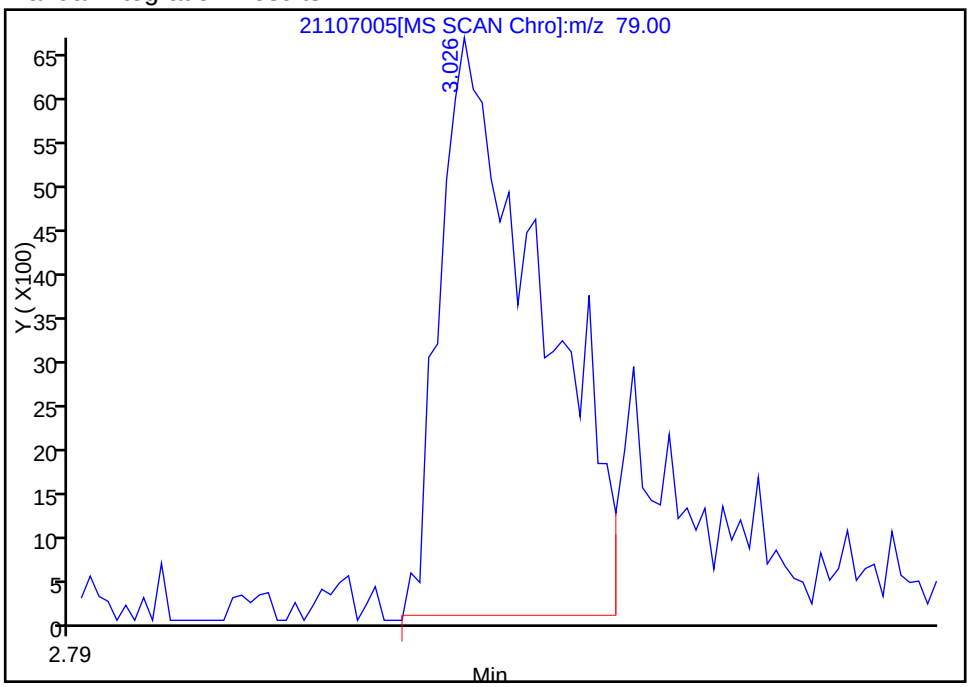
Processing Integration Results

RT: 3.03
Response: 17673
Amount: 0.464592



Manual Integration Results

RT: 3.03
Response: 27577
Amount: 0.381686



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

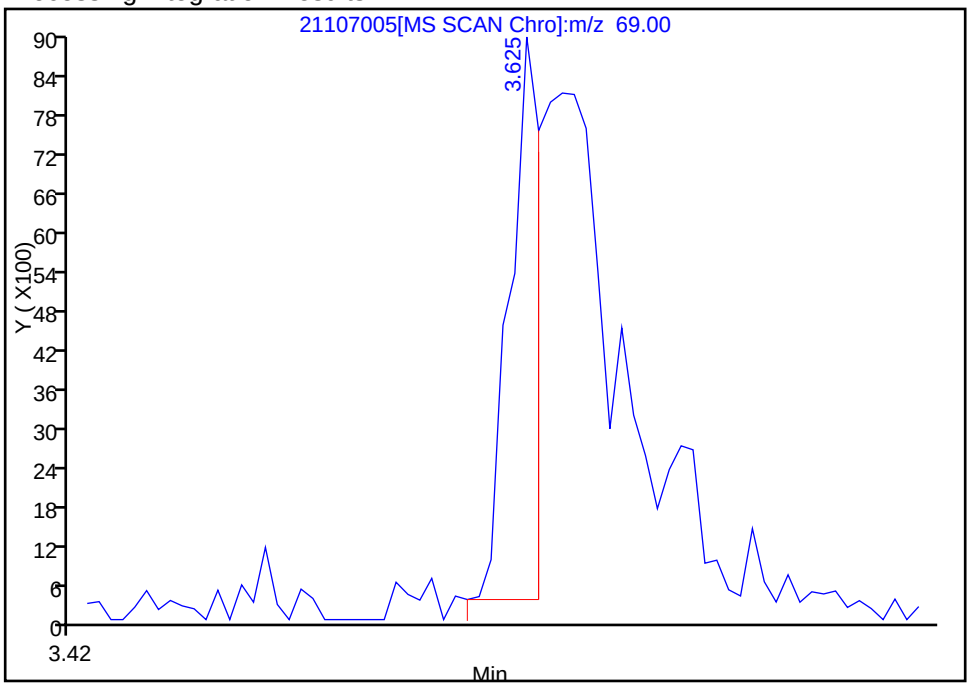
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.64

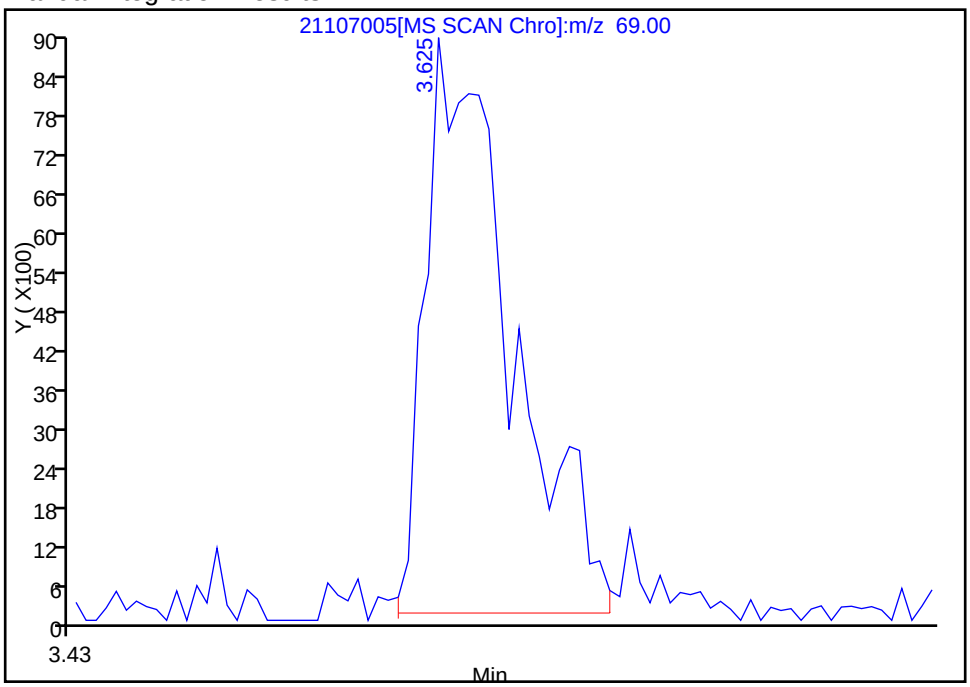
Processing Integration Results

RT: 3.63
Response: 8252
Amount: 0.296683



Manual Integration Results

RT: 3.63
Response: 27799
Amount: 0.463069



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

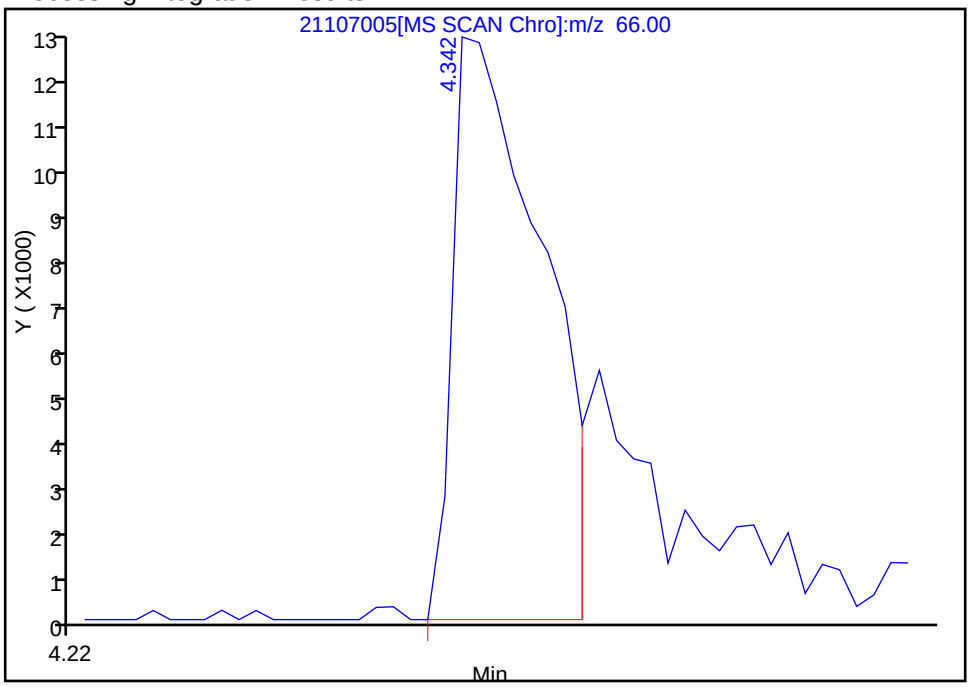
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107005.D		
Injection Date:	07-Nov-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

32 Malononitrile, Signal: 1, m/z: 66.0 Type: quant, RT: 4.34

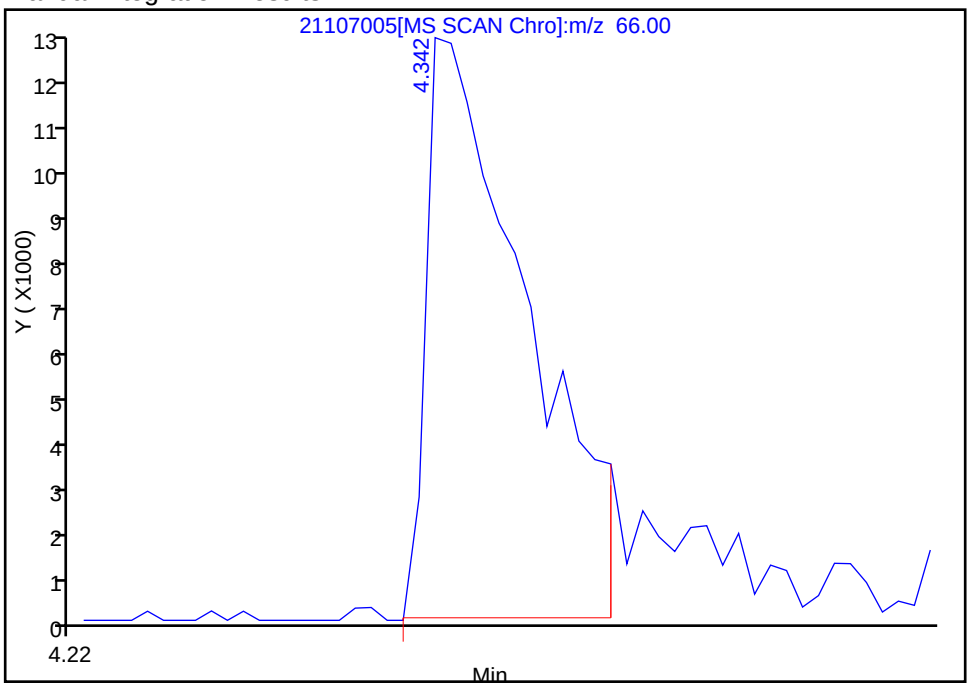
Processing Integration Results

RT: 4.34
Response: 23572
Amount: 0.626350



Manual Integration Results

RT: 4.34
Response: 28334
Amount: 0.374916



Reviewer: gruberj, 07-Nov-2012 14:50:38
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Lims ID:	std1 tcl	Client ID:	
Inject. Date:	07-Nov-2012 13:18:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0014744-006		
Misc. Info.:	std1 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	64102	Lims Sample ID:	6
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:10	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:51:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.899	5.898	0.001	97	218239	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	848829	4.00	
* 3 Acenaphthene-d10	164	8.509	8.509	0.0	92	463448	4.00	
* 4 Phenanthrene-d10	188	9.766	9.765	0.001	98	807621	4.00	
* 5 Chrysene-d12	240	12.301	12.301	0.0	97	758195	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	92	603626	4.00	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	76	6483	0.0869	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	85	14545	0.0967	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	80	13394	0.0954	
40 Benzaldehyde	77	5.508	5.508	0.0	76	6123	0.1076	
73 Naphthalene	128	7.032	7.032	0.0	47	19322	0.0911	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	79	12641	0.0932	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	77	11911	0.0923	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	91	17216	0.1052	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	80	12516	0.0978	
107 Acenaphthylene	152	8.391	8.391	0.0	80	19842	0.0939	
110 Acenaphthene	153	8.535	8.535	0.0	73	11799	0.0928	
114 Dibenzofuran	168	8.680	8.680	0.0	86	19920	0.1056	
124 Fluorene	166	8.969	8.969	0.0	86	14541	0.0960	
139 Hexachlorobenzene	284	9.434	9.434	0.0	48	4345	0.1024	
146 Phenanthrene	178	9.787	9.787	0.0	83	23225	0.1053	
147 Anthracene	178	9.830	9.830	0.0	89	18837	0.0859	
157 Fluoranthene	202	10.793	10.792	0.001	91	20262	0.0832	
160 Pyrene	202	11.001	11.001	0.0	96	22058	0.0912	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	66	20154	0.0953	
176 Chrysene	228	12.333	12.338	-0.005	77	21017	0.1042	
180 Benzo[b]fluoranthene	252	13.782	13.788	-0.006	79	14882	0.0773	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	63	16988	0.0812	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	37	11224	0.1704	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
186 Indeno[1,2,3-cd]pyrene	276	16.018	16.007	0.011	0	12509	0.1395	M
187 Dibenz(a,h)anthracene	278	16.045	16.040	0.005	30	10312	0.2238	M
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	57	13397	0.0775	M

QC Flag Legend

Review Flags
M - Manually Integrated

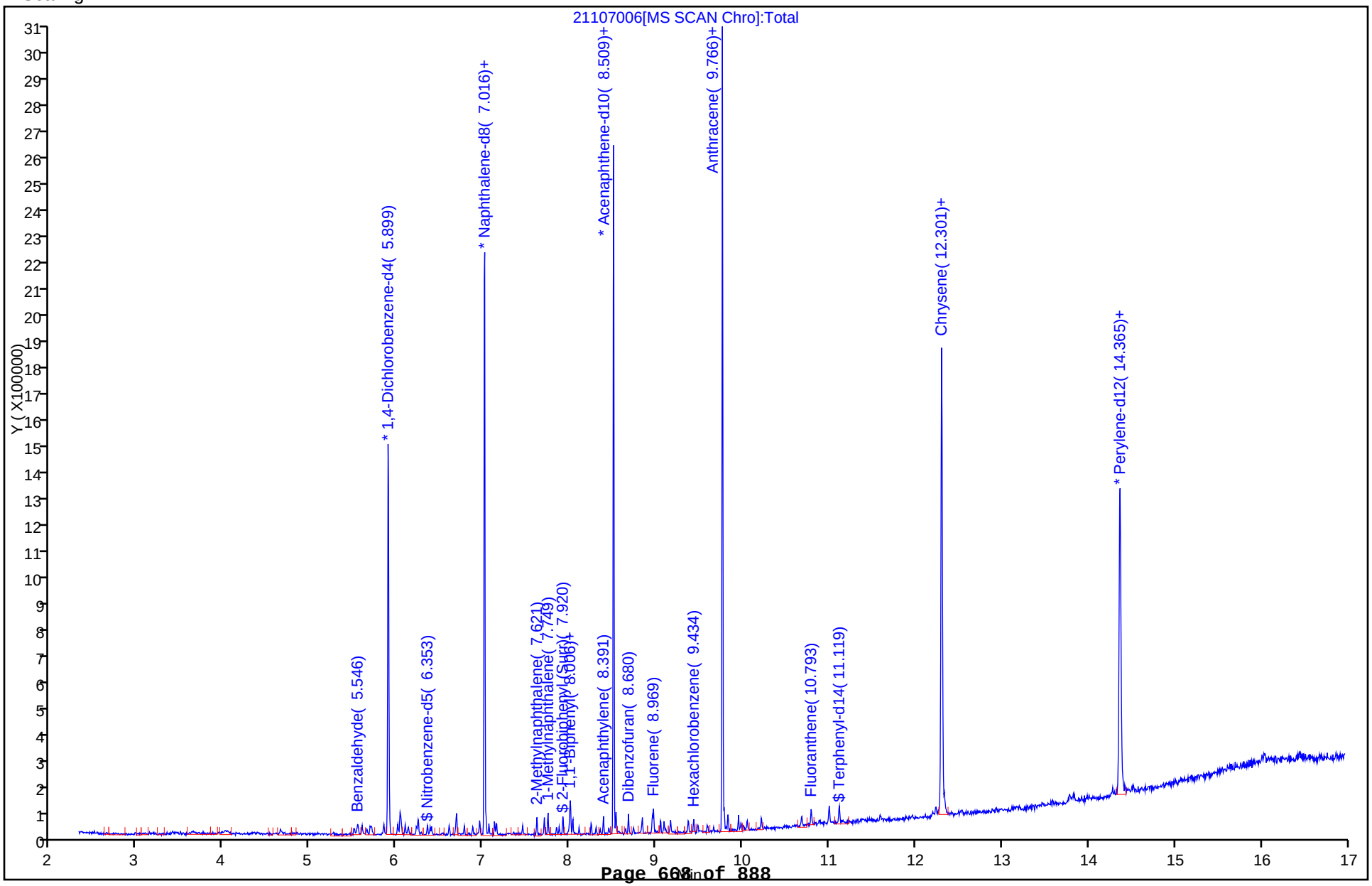
Report Date: 08-Nov-2012 13:38:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D

Injection Date:	07-Nov-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

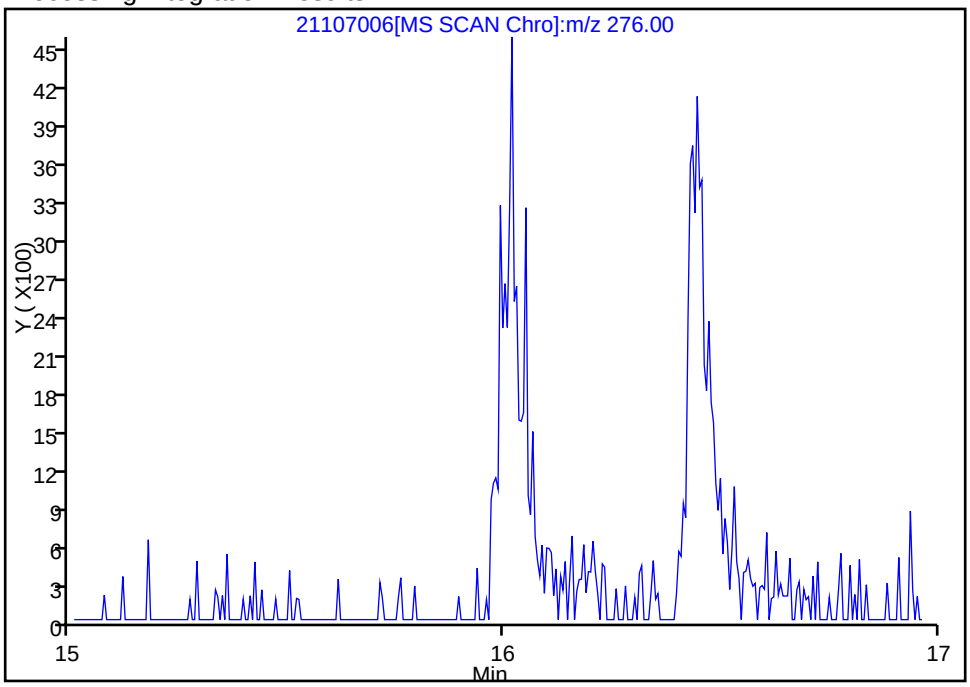
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Injection Date:	07-Nov-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.01

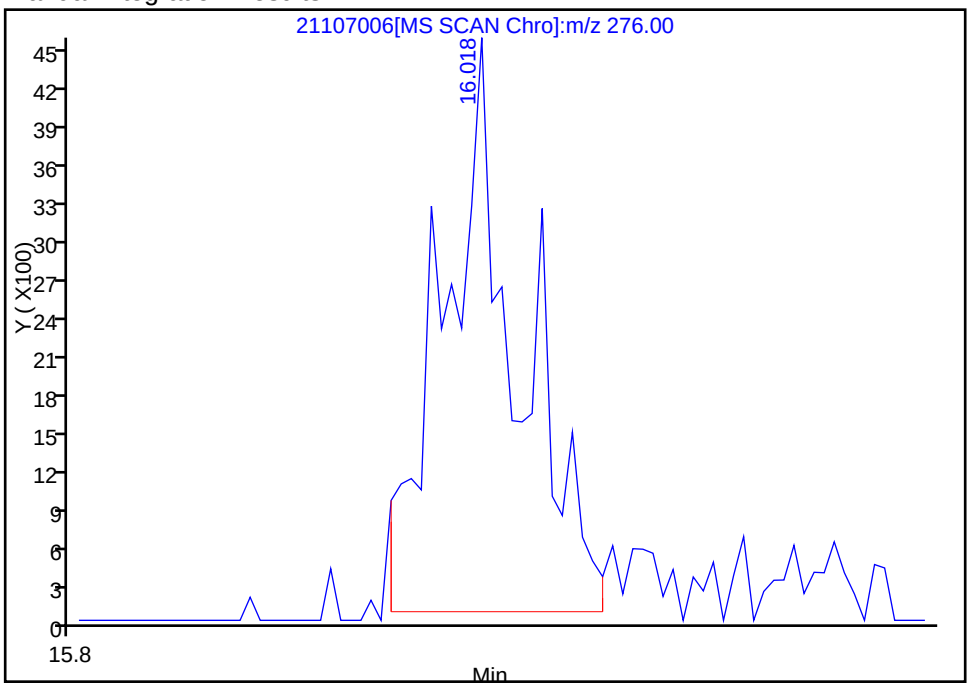
Not Detected
Expected RT: 16.01

Processing Integration Results



Manual Integration Results

RT: 16.02
Response: 12509
Amount: 0.139465



Reviewer: gruberj, 07-Nov-2012 14:51:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

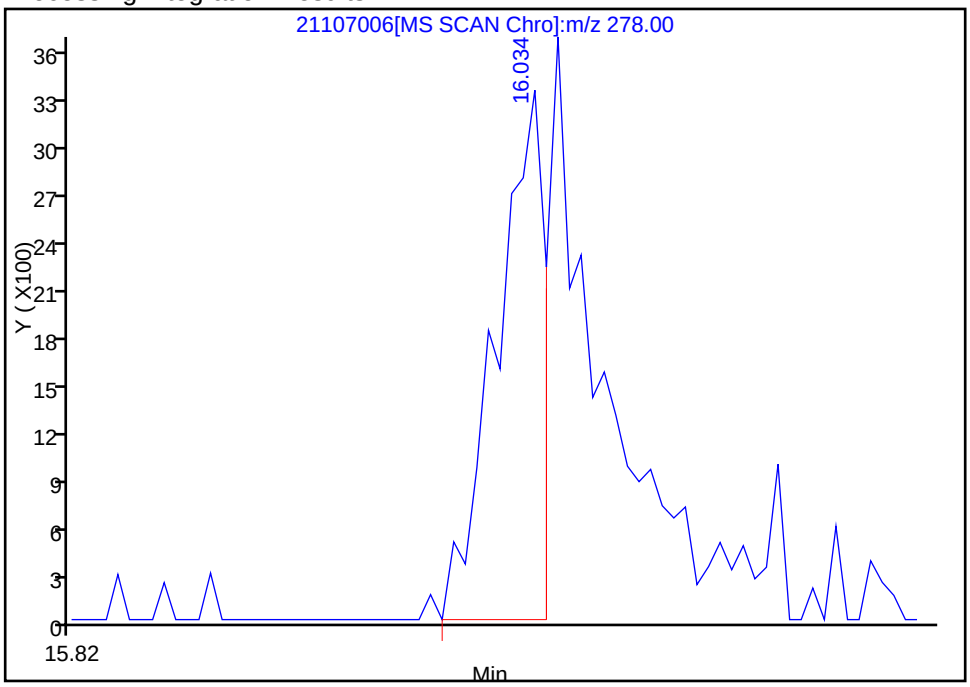
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Injection Date:	07-Nov-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

187 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.04

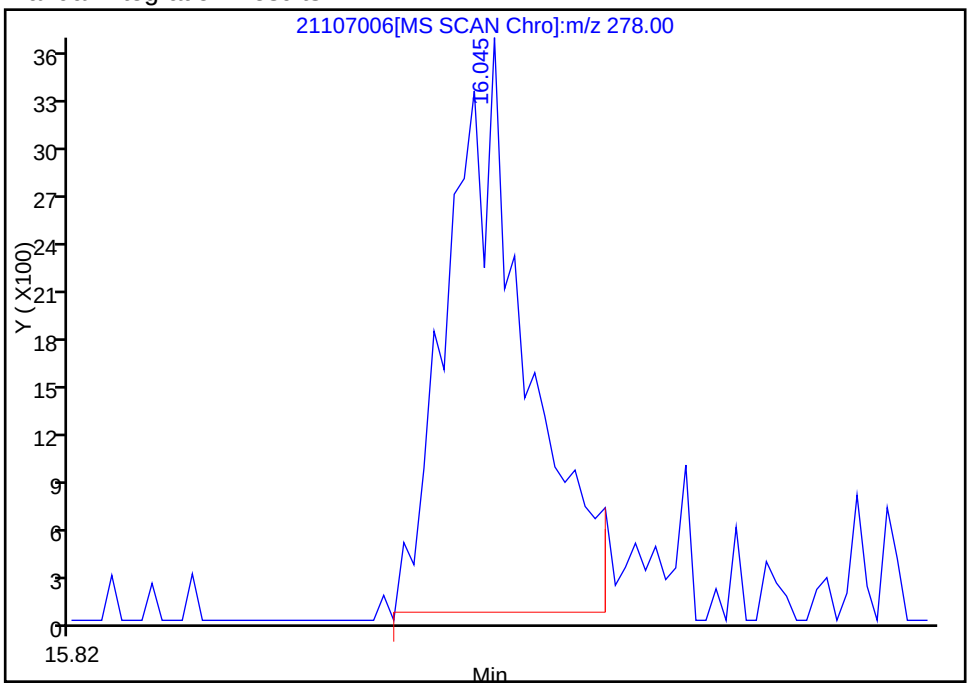
Processing Integration Results

RT: 16.03
Response: 5189
Amount: 0.200793



Manual Integration Results

RT: 16.04
Response: 10312
Amount: 0.223750



Reviewer: gruberj, 07-Nov-2012 14:51:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

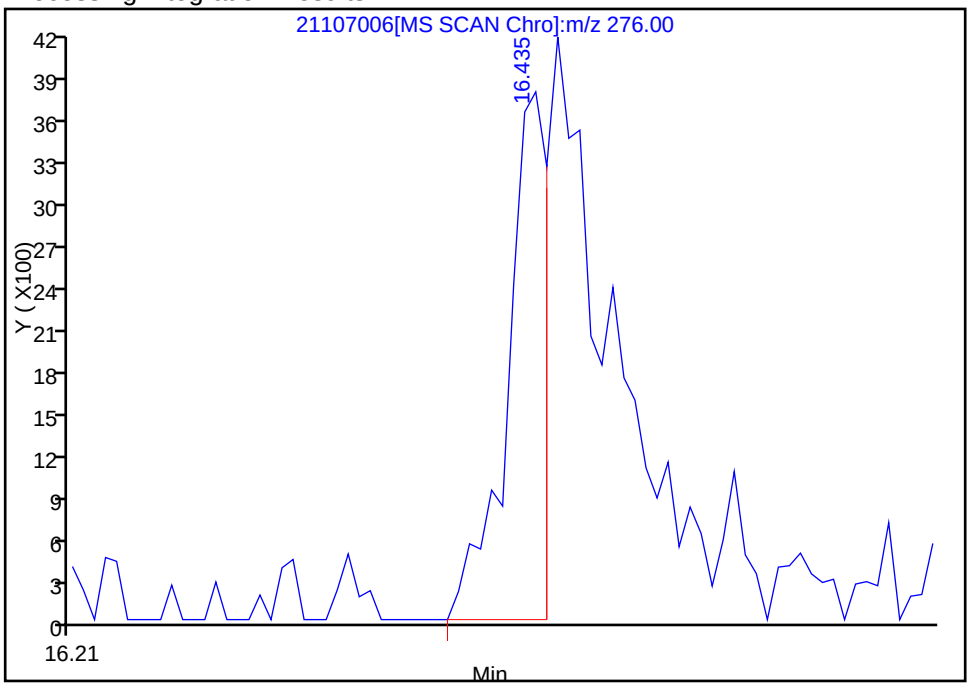
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107006.D		
Injection Date:	07-Nov-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.45

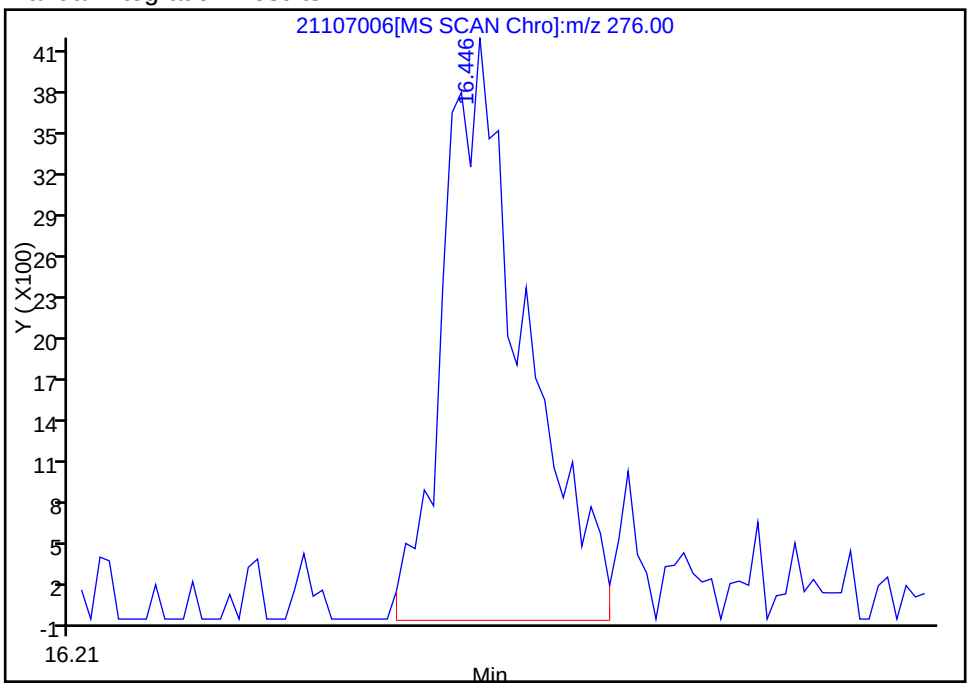
Processing Integration Results

RT: 16.44
Response: 5097
Amount: 0.092366



Manual Integration Results

RT: 16.45
Response: 13397
Amount: 0.077522



Reviewer: gruberj, 07-Nov-2012 14:51:24
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107007.D
Lims ID: std9 tcl
Client ID:
Inject. Date: 07-Nov-2012 13:41:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 9
Sample ID: 240-0014744-007
Misc. Info.: std9 tcl
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 7
Lims Batch ID: 64102
Lims Sample ID: 7
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m
Last Update: 08-Nov-2012 13:38:12
Calib Date: 07-Nov-2012 14:51:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK004

First Level Reviewer: gruberj
Date: 07-Nov-2012 14:52:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.904	5.898	0.006	95	204073	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	100	775333	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	92	454396	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	97	774592	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	89	780553	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	95	652033	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	91	1608759	25.5	
$ 8 Phenol-d5	99	5.540	5.540	0.0	95	2055113	25.7	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	89	1807783	26.5	
$ 10 2-Fluorobiphenyl (Surr)	172	7.925	7.920	0.005	99	3709926	25.2	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	87	492588	26.2	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	98	3740756	25.9	
24 1,4-Dioxane	88	2.507	2.502	0.005	97	670580	28.3	
25 N-Nitrosodimethylamine	74	2.951	2.946	0.005	93	1020584	24.4	
26 Pyridine	79	3.005	3.005	0.0	95	1811625	26.7	
27 Ethyl methacrylate	69	3.641	3.641	0.0	92	1410556	25.0	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	88	983880	26.1	
32 Malononitrile	66	4.342	4.342	0.0	98	1838076	25.9	
40 Benzaldehyde	77		5.508					
41 Phenol	94	5.556	5.551	0.005	98	2157751	25.3	
43 Aniline	93	5.599	5.599	0.0	98	2711054	25.4	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	96	1653462	25.1	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	1749387	25.4	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	1840193	24.7	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	91	1812536	24.5	
49 Benzyl alcohol	108	6.011	6.011	0.0	91	1109887	26.1	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	95	1761611	25.0	
51 2-Methylphenol	108	6.096	6.096	0.0	96	1598670	25.7	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	92	2394076	24.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.230	6.230	0.0	97	1641179	25.2	
56 N-Nitrosodi-n-propylamine	70	6.246	6.246	0.0	90	1170477	25.3	
57 Acetophenone	105	6.251	6.251	0.0	96	2303818	25.0	
60 Hexachloroethane	117	6.353	6.353	0.0	94	737294	24.6	
61 Nitrobenzene	77	6.401	6.401	0.0	84	1835606	26.1	
63 Isophorone	82	6.610	6.605	0.006	98	3291755	26.6	
65 2-Nitrophenol	139	6.679	6.679	0.0	96	886070	26.7	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	95	1509857	24.6	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	95	1663053	25.5	
69 Benzoic acid	122	6.786	6.760	0.026	54	2263947	49.2	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	99	1980306	25.2	
71 2,4-Dichlorophenol	162	6.882	6.877	0.005	93	1363692	26.5	
72 1,2,4-Trichlorobenzene	180	6.963	6.958	0.005	89	1543759	25.1	
73 Naphthalene	128	7.032	7.032	0.0	96	5098943	26.3	
74 4-Chloroaniline	127	7.064	7.064	0.0	85	2153710	26.1	
77 Hexachlorobutadiene	225	7.134	7.129	0.005	90	834160	25.1	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	90	1452449	0	
83 Caprolactam	113	7.364	7.348	0.016	80	409876	24.6	
84 4-Chloro-3-methylphenol	107	7.460	7.455	0.005	94	1473568	26.6	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	88	3192368	25.8	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	83	3074953	26.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	93	1502806	24.3	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	92	976433	26.5	
90 2,4,6-Trichlorophenol	196	7.851	7.845	0.006	92	1013558	26.5	
91 2,4,5-Trichlorophenol	196	7.883	7.877	0.006	95	1072129	26.0	
94 2,4-Toluene diamine	121	7.995	7.990	0.005	97	868625	22.0	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	87	1440062	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	93	3965786	24.7	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	95	3115146	24.8	
100 2-Nitroaniline	65	8.107	8.107	0.0	83	987900	26.8	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	3437402	25.8	
105 2,6-Dinitrotoluene	165	8.311	8.305	0.006	90	768083	24.6	
106 1,2-Dinitrobenzene	168	8.359	8.354	0.005	89	409392	27.6	
107 Acenaphthylene	152	8.391	8.391	0.0	97	5445218	26.3	
108 3-Nitroaniline	138	8.455	8.450	0.005	93	928853	27.8	
110 Acenaphthene	153	8.535	8.535	0.0	91	3085730	24.8	
109 2,4-Dinitrophenol	184	8.541	8.535	0.006	79	1106604	49.3	
111 4-Nitrophenol	109	8.567	8.562	0.005	90	539112	28.0	
112 2,4-Dinitrotoluene	165	8.653	8.648	0.005	93	1064143	24.6	
114 Dibenzofuran	168	8.680	8.680	0.0	88	4675894	25.3	
115 2,3,5,6-Tetrachlorophenol	232	8.738	8.733	0.005	89	924029	27.2	
119 Diethyl phthalate	149	8.845	8.840	0.005	97	3593483	25.8	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	93	1748364	24.9	
123 4-Nitroaniline	138	8.974	8.969	0.005	61	904568	24.6	
124 Fluorene	166	8.974	8.969	0.005	91	3734212	25.1	
126 4,6-Dinitro-2-methylphenol	198	8.995	8.990	0.005	79	687768	24.7	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	2794355	26.2	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	3920417	26.0	
131 Azobenzene	77	9.091	9.092	-0.001	99	3920417	26.0	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	62	999726	25.3	
139 Hexachlorobenzene	284	9.439	9.434	0.005	90	998152	24.5	
140 Atrazine	200	9.487	9.482	0.005	90	719727	24.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	87	1450927	50.1	
146 Phenanthrene	178	9.787	9.787	0.0	97	5330724	25.2	
147 Anthracene	178	9.835	9.830	0.005	96	5594055	26.6	
149 Carbazole	167	9.958	9.953	0.005	81	5414909	26.5	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	99	6436053	28.1	
157 Fluoranthene	202	10.798	10.792	0.006	96	6279316	26.9	
158 Benzidine	184	10.889	10.894	-0.005	99	3730708	24.8	
160 Pyrene	202	11.001	11.001	0.0	98	6663115	26.8	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	97	2723023	24.8	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	87	1502602	24.6	
173 3,3'-Dichlorobenzidine	252	12.242	12.237	0.005	64	2222486	24.9	
172 4,4'-Methylene bis(2-chloroanili	231	12.242	12.237	0.005	71	1060036	25.0	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	95	3834094	24.7	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	94	5770519	26.5	
176 Chrysene	228	12.343	12.338	0.005	92	5395172	26.0	
178 Di-n-octyl phthalate	149	13.172	13.167	0.005	99	6486699	24.8	
180 Benzo[b]fluoranthene	252	13.793	13.788	0.005	93	5752475	27.7	
181 Benzo[k]fluoranthene	252	13.830	13.825	0.005	95	6401152	28.3	
182 Benzo[a]pyrene	252	14.285	14.280	0.005	75	5751071	25.0	
186 Indeno[1,2,3-cd]pyrene	276	16.018	16.007	0.011	94	6209963	25.0	
187 Dibenz(a,h)anthracene	278	16.050	16.040	0.010	79	5198411	24.9	
188 Benzo[g,h,i]perylene	276	16.462	16.446	0.016	93	5328943	28.5	
S 189 Methyl Phenols,Total	100				0		25.7	

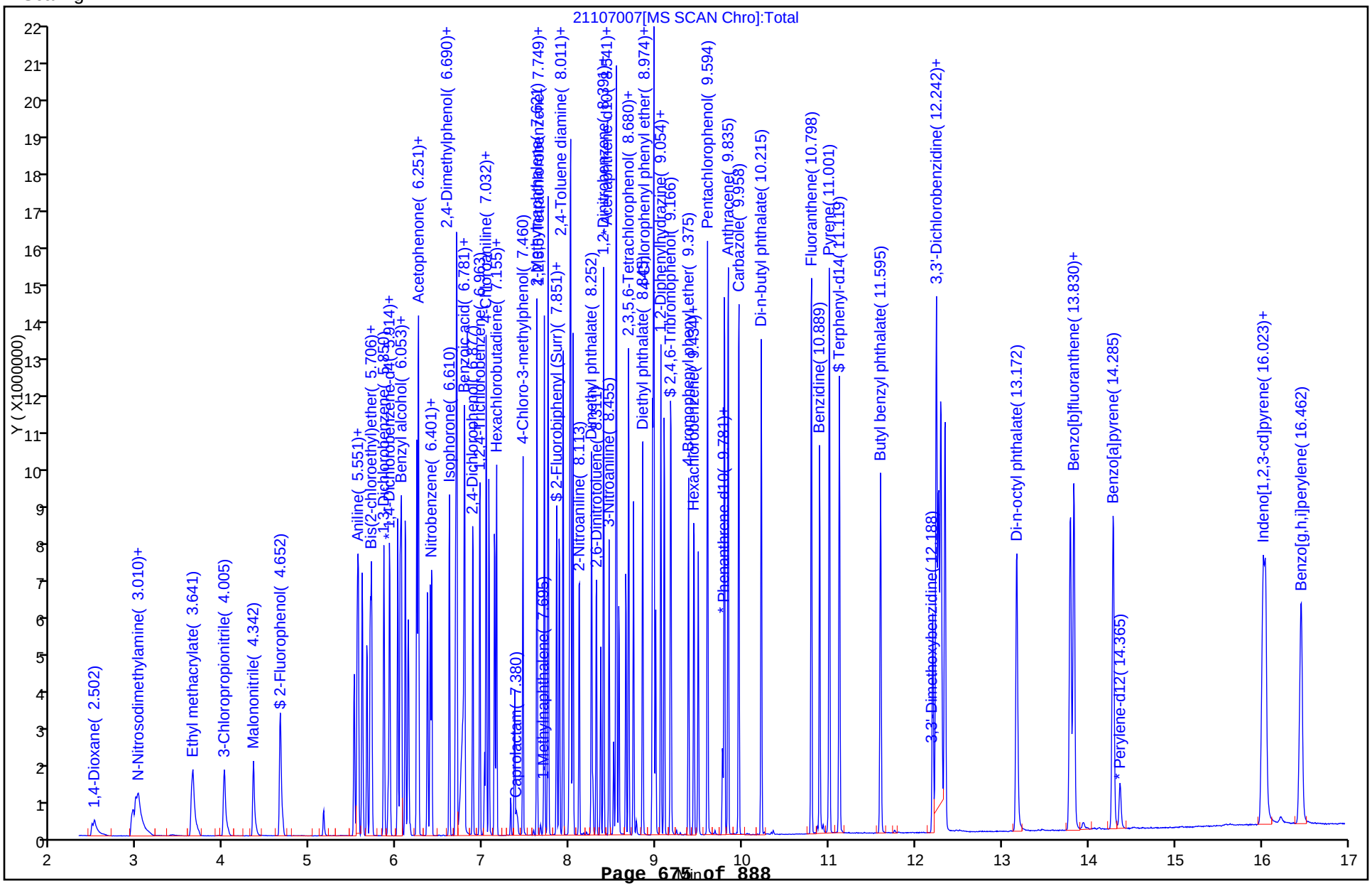
Report Date: 08-Nov-2012 13:38:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107007.D

Injection Date:	07-Nov-2012 13:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107008.D		
Lims ID:	std8 tcl	Client ID:	
Inject. Date:	07-Nov-2012 14:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	240-0014744-008		
Misc. Info.:	std8 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	64102	Lims Sample ID:	8
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:14	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:52:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.904	5.898	0.006	94	266636	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	1051114	4.00	
* 3 Acenaphthene-d10	164	8.509	8.509	0.0	92	603275	4.00	
* 4 Phenanthrene-d10	188	9.766	9.765	0.001	95	1061630	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	96	1072143	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	96	921300	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	93	1776893	21.6	
$ 8 Phenol-d5	99	5.540	5.540	0.0	94	2282025	21.8	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	89	2011974	21.8	
$ 10 2-Fluorobiphenyl (Surr)	172	7.926	7.920	0.006	99	4176600	21.3	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	87	542442	21.7	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	98	4196729	21.1	
24 1,4-Dioxane	88	2.507	2.502	0.005	96	533305	17.2	
25 N-Nitrosodimethylamine	74	2.951	2.946	0.005	92	1152976	21.2	
26 Pyridine	79	3.010	3.005	0.005	94	1976673	22.3	
27 Ethyl methacrylate	69	3.641	3.641	0.0	91	1555123	21.1	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	88	1105388	22.5	
32 Malononitrile	66	4.342	4.342	0.0	97	2134060	23.0	
40 Benzaldehyde	77	5.508	5.508	0.0	92	1113893	16.0	
41 Phenol	94	5.556	5.551	0.005	98	2377819	21.3	
43 Aniline	93	5.599	5.599	0.0	98	2982264	21.4	
44 Bis(2-chloroethyl)ether	93	5.658	5.652	0.006	96	1820736	21.1	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	1939192	21.5	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	2033209	20.9	
48 1,4-Dichlorobenzene	146	5.920	5.915	0.005	94	1994970	20.7	
49 Benzyl alcohol	108	6.011	6.011	0.0	91	1218061	21.9	
50 1,2-Dichlorobenzene	146	6.054	6.054	0.0	95	1921155	20.9	
51 2-Methylphenol	108	6.096	6.096	0.0	95	1761548	21.7	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	92	2710885	21.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.230	6.230	0.0	96	1863583	21.9	
56 N-Nitrosodi-n-propylamine	70	6.246	6.246	0.0	89	1305510	21.6	
57 Acetophenone	105	6.252	6.251	0.001	95	2540663	21.1	
60 Hexachloroethane	117	6.353	6.353	0.0	93	812553	20.7	
61 Nitrobenzene	77	6.401	6.401	0.0	81	2023003	21.2	
63 Isophorone	82	6.610	6.605	0.006	97	3679329	21.9	
65 2-Nitrophenol	139	6.679	6.679	0.0	96	994494	22.1	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	95	1677390	20.1	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	95	1847588	20.9	
69 Benzoic acid	122	6.792	6.760	0.032	84	2567708	41.6	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	98	2179326	20.5	
71 2,4-Dichlorophenol	162	6.883	6.877	0.006	94	1510979	21.6	
72 1,2,4-Trichlorobenzene	180	6.963	6.958	0.005	93	1678302	20.2	
73 Naphthalene	128	7.032	7.032	0.0	97	5581839	21.3	
74 4-Chloroaniline	127	7.065	7.064	0.0	85	2412184	21.5	
77 Hexachlorobutadiene	225	7.129	7.129	0.0	93	908100	20.1	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	90	1598618	0	
83 Caprolactam	113	7.369	7.348	0.021	80	479685	20.0	
84 4-Chloro-3-methylphenol	107	7.460	7.455	0.005	93	1637447	21.8	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	83	3531733	21.0	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	83	3374252	21.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	93	1631883	19.9	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	86	1059644	21.7	
90 2,4,6-Trichlorophenol	196	7.851	7.845	0.006	90	1118437	22.0	
91 2,4,5-Trichlorophenol	196	7.883	7.877	0.006	95	1212108	22.1	
94 2,4-Toluene diamine	121	7.995	7.990	0.005	98	882419	16.5	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	90	1564968	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	93	4411496	20.7	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	95	3457946	20.8	
100 2-Nitroaniline	65	8.113	8.107	0.006	86	1115602	22.8	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	3825470	21.6	
105 2,6-Dinitrotoluene	165	8.311	8.305	0.006	91	867959	21.0	
106 1,2-Dinitrobenzene	168	8.359	8.354	0.005	89	456583	23.2	
107 Acenaphthylene	152	8.391	8.391	0.0	91	6002224	21.8	
108 3-Nitroaniline	138	8.455	8.450	0.005	94	1049195	23.7	
110 Acenaphthene	153	8.535	8.535	0.0	92	3408737	20.6	
109 2,4-Dinitrophenol	184	8.541	8.535	0.006	75	1219360	41.2	
111 4-Nitrophenol	109	8.573	8.562	0.011	91	593687	23.2	
112 2,4-Dinitrotoluene	165	8.653	8.648	0.005	93	1184303	20.8	
114 Dibenzofuran	168	8.680	8.680	0.0	85	5132615	20.9	
115 2,3,5,6-Tetrachlorophenol	232	8.739	8.733	0.006	86	1035587	22.9	
119 Diethyl phthalate	149	8.846	8.840	0.006	98	4041181	21.8	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	91	1987312	21.3	
123 4-Nitroaniline	138	8.974	8.969	0.005	67	1024556	21.0	
124 Fluorene	166	8.974	8.969	0.005	82	4078515	20.7	
126 4,6-Dinitro-2-methylphenol	198	8.995	8.990	0.005	79	771658	20.6	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	3139006	21.4	
129 1,2-Diphenylhydrazine	77	9.092	9.092	0.0	0	4392481	21.3	
131 Azobenzene	77	9.092	9.092	0.0	98	4392962	21.3	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	62	1120053	20.7	
139 Hexachlorobenzene	284	9.439	9.434	0.005	90	1115873	20.0	
140 Atrazine	200	9.487	9.482	0.005	91	787545	19.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	85	1569637	40.1	
146 Phenanthrene	178	9.792	9.787	0.005	96	5971362	20.6	
147 Anthracene	178	9.835	9.830	0.005	96	6267637	21.8	
149 Carbazole	167	9.958	9.953	0.005	81	6046967	21.6	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	7068549	22.5	
157 Fluoranthene	202	10.798	10.792	0.006	96	7078899	22.1	
158 Benzidine	184	10.894	10.894	0.0	99	4126710	20.5	
160 Pyrene	202	11.006	11.001	0.005	97	7417941	21.7	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	96	3041849	20.5	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	92	1703500	20.8	
173 3,3'-Dichlorobenzidine	252	12.242	12.237	0.005	61	2485326	20.4	
172 4,4'-Methylene bis(2-chloroanili	231	12.242	12.237	0.005	70	1150023	20.1	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	95	4342850	20.7	
175 Benzo[a]anthracene	228	12.295	12.290	0.005	96	6432402	21.5	
176 Chrysene	228	12.344	12.338	0.006	95	5976490	21.0	
178 Di-n-octyl phthalate	149	13.173	13.167	0.006	99	7366681	20.5	
180 Benzo[b]fluoranthene	252	13.793	13.788	0.005	91	6761810	23.0	
181 Benzo[k]fluoranthene	252	13.836	13.825	0.011	89	6927834	21.7	
182 Benzo[a]pyrene	252	14.291	14.280	0.010	76	6389303	20.1	
186 Indeno[1,2,3-cd]pyrene	276	16.023	16.007	0.016	94	6972181	20.1	
187 Dibenz(a,h)anthracene	278	16.050	16.040	0.010	77	5905981	20.2	
188 Benzo[g,h,i]perylene	276	16.462	16.446	0.016	90	5973870	22.6	
S 189 Methyl Phenols,Total	100				0		21.7	

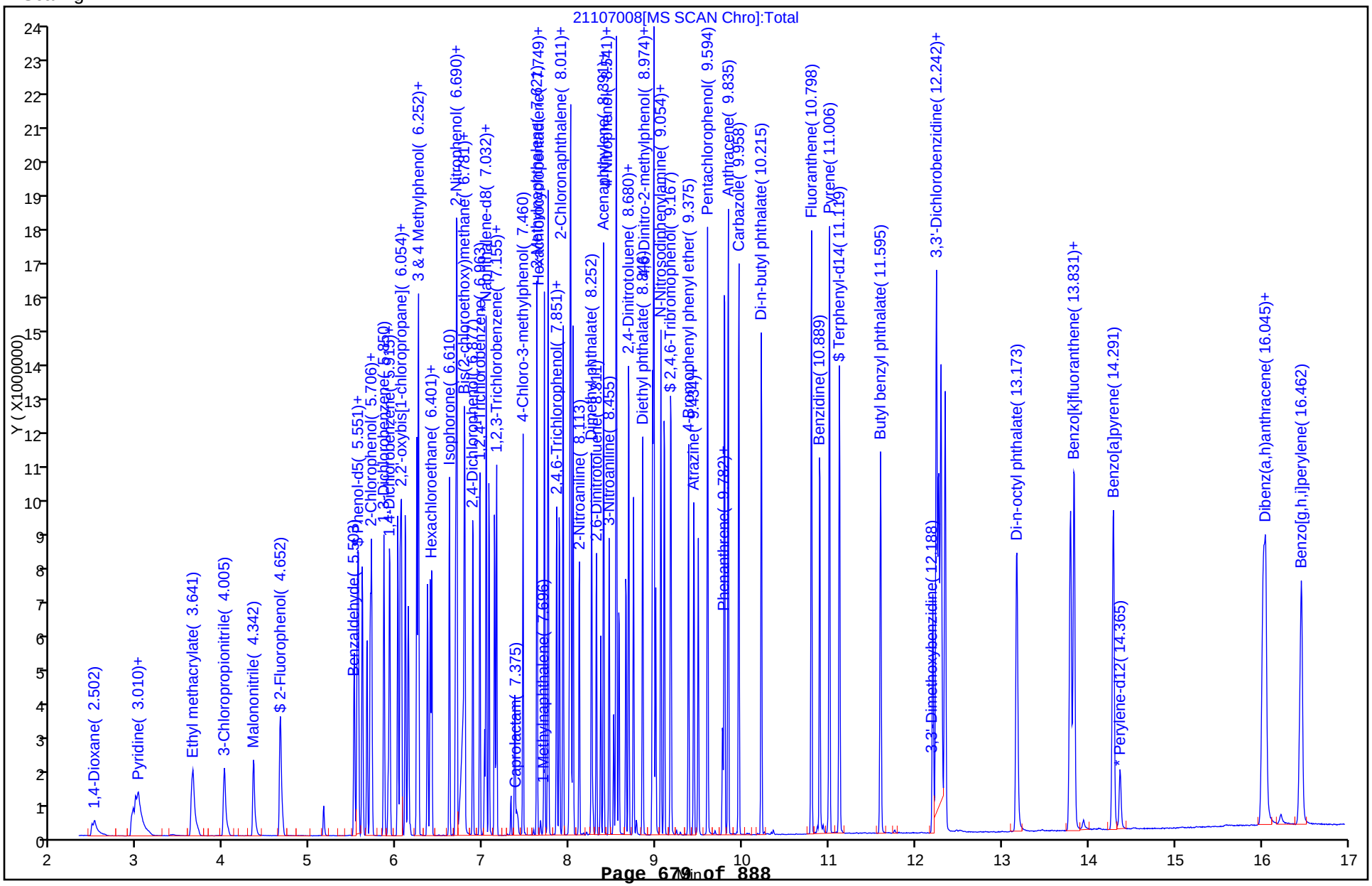
Report Date: 08-Nov-2012 13:38:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107008.D

Injection Date:	07-Nov-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107009.D		
Lims ID:	std7 tcl	Client ID:	
Inject. Date:	07-Nov-2012 14:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	240-0014744-009		
Misc. Info.:	std7 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	64102	Lims Sample ID:	9
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:15	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:53:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	96	236816	4.00	
* 2 Naphthalene-d8	136	7.016	7.011	0.005	99	904520	4.00	
* 3 Acenaphthene-d10	164	8.508	8.509	-0.001	92	511064	4.00	
* 4 Phenanthrene-d10	188	9.765	9.765	0.0	97	886480	4.00	
* 5 Chrysene-d12	240	12.306	12.301	0.005	94	905642	4.00	
* 6 Perylene-d12	264	14.365	14.360	0.005	96	738323	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	92	1084134	14.8	
$ 8 Phenol-d5	99	5.540	5.540	0.0	89	1401532	15.1	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	88	1231341	15.5	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	100	2490882	15.0	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	89	329077	15.6	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	99	2500174	14.9	
24 1,4-Dioxane	88	2.507	2.502	0.005	90	357431	13.0	
25 N-Nitrosodimethylamine	74	2.951	2.946	0.005	89	710533	14.8	
26 Pyridine	79	3.010	3.005	0.005	95	1240295	15.7	
27 Ethyl methacrylate	69	3.641	3.641	0.0	92	959932	14.7	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	90	675455	15.5	
32 Malononitrile	66	4.342	4.342	0.0	97	1310337	15.9	
40 Benzaldehyde	77	5.508	5.508	0.0	93	807962	13.1	
41 Phenol	94	5.551	5.551	0.0	99	1483091	15.0	
43 Aniline	93	5.599	5.599	0.0	98	1852000	14.9	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	95	1122950	14.7	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	1178499	14.7	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	1256355	14.6	
48 1,4-Dichlorobenzene	146	5.914	5.915	-0.001	92	1250498	14.6	
49 Benzyl alcohol	108	6.011	6.011	0.0	91	752132	15.2	
50 1,2-Dichlorobenzene	146	6.053	6.054	-0.001	95	1182427	14.5	
51 2-Methylphenol	108	6.096	6.096	0.0	96	1067935	14.8	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	92	1630140	14.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.230	6.230	0.0	97	1134834	15.0	
56 N-Nitrosodi-n-propylamine	70	6.246	6.246	0.0	87	805470	15.0	
57 Acetophenone	105	6.251	6.251	0.0	91	1561539	14.6	
60 Hexachloroethane	117	6.353	6.353	0.0	94	505961	14.5	
61 Nitrobenzene	77	6.401	6.401	0.0	83	1234618	15.0	
63 Isophorone	82	6.604	6.605	0.0	97	2187568	15.2	
65 2-Nitrophenol	139	6.679	6.679	0.0	95	611408	15.8	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	95	1035680	14.4	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	93	1141006	15.0	
69 Benzoic acid	122	6.770	6.760	0.010	84	1543106	29.7	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	93	1353489	14.8	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	96	911378	15.2	
72 1,2,4-Trichlorobenzene	180	6.957	6.958	-0.001	92	1050932	14.7	
73 Naphthalene	128	7.032	7.032	0.0	97	3380709	15.0	
74 4-Chloroaniline	127	7.064	7.064	0.0	85	1448322	15.0	
77 Hexachlorobutadiene	225	7.129	7.129	-0.001	93	559120	14.4	
78 1,2,3-Trichlorobenzene	180	7.155	7.150	0.005	87	972715	0	
83 Caprolactam	113	7.353	7.348	0.005	76	347893	16.1	
84 4-Chloro-3-methylphenol	107	7.460	7.455	0.005	91	979022	15.2	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	87	2122405	14.7	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	84	2079707	15.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	93	1019623	14.7	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	93	627279	15.1	
90 2,4,6-Trichlorophenol	196	7.851	7.845	0.006	92	677861	15.7	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	95	736914	15.9	
94 2,4-Toluene diamine	121	7.995	7.990	0.005	98	626231	13.6	
96 1,2,3,4 -Tetrachlorobenzene	216	8.006	8.001	0.005	84	977499	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	94	2640427	14.6	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	96	2081186	14.7	
100 2-Nitroaniline	65	8.107	8.107	0.0	83	666331	16.1	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	2265250	15.1	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	88	504465	14.5	
106 1,2-Dinitrobenzene	168	8.359	8.354	0.005	90	274957	16.5	
107 Acenaphthylene	152	8.391	8.391	0.0	96	3557410	15.3	
108 3-Nitroaniline	138	8.455	8.450	0.005	95	615665	16.4	
110 Acenaphthene	153	8.535	8.535	0.0	93	2035418	14.5	
109 2,4-Dinitrophenol	184	8.541	8.535	0.006	76	743918	30.2	
111 4-Nitrophenol	109	8.567	8.562	0.005	91	349036	16.1	
112 2,4-Dinitrotoluene	165	8.648	8.648	0.0	90	689685	14.6	
114 Dibenzofuran	168	8.680	8.680	0.0	85	3073293	14.8	
115 2,3,5,6-Tetrachlorophenol	232	8.738	8.733	0.005	88	614787	16.1	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	2343096	14.9	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	90	1162318	14.7	
123 4-Nitroaniline	138	8.968	8.969	-0.001	62	601597	14.5	
124 Fluorene	166	8.968	8.969	-0.001	82	2470279	14.8	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	83	443519	14.6	
130 N-Nitrosodiphenylamine	169	9.054	9.049	0.005	0	1828202	15.0	
129 1,2-Diphenylhydrazine	77	9.091	9.092	-0.001	0	2591614	15.0	
131 Azobenzene	77	9.091	9.092	-0.001	98	2591614	15.0	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	62	674593	14.9	
139 Hexachlorobenzene	284	9.434	9.434	0.0	87	662379	14.2	
140 Atrazine	200	9.487	9.482	0.005	91	498220	15.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	86	955144	29.7	
146 Phenanthrene	178	9.787	9.787	0.0	97	3476136	14.4	
147 Anthracene	178	9.830	9.830	0.0	97	3680078	15.3	
149 Carbazole	167	9.953	9.953	0.0	81	3568538	15.3	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	4070394	15.5	
157 Fluoranthene	202	10.798	10.792	0.006	96	4122306	15.4	
158 Benzidine	184	10.889	10.894	-0.005	99	2388297	14.7	
160 Pyrene	202	11.001	11.001	0.0	96	4348537	15.0	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	98	1768738	14.5	
170 3,3'-Dimethoxybenzidine	244	12.199	12.194	0.005	91	973101	14.8	
173 3,3'-Dichlorobenzidine	252	12.242	12.237	0.005	60	1489461	14.6	
172 4,4'-Methylene bis(2-chloroanili	231	12.242	12.237	0.005	68	692599	14.7	
171 Bis(2-ethylhexyl) phthalate	149	12.269	12.263	0.006	96	2497259	14.5	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	94	3764867	14.9	
176 Chrysene	228	12.338	12.338	0.0	95	3527188	14.6	
178 Di-n-octyl phthalate	149	13.172	13.167	0.005	99	4101786	14.7	
180 Benzo[b]fluoranthene	252	13.788	13.788	0.0	92	3799785	16.1	
181 Benzo[k]fluoranthene	252	13.830	13.825	0.005	99	4057783	15.9	
182 Benzo[a]pyrene	252	14.285	14.280	0.005	73	3697959	14.8	
186 Indeno[1,2,3-cd]pyrene	276	16.018	16.007	0.011	94	4034138	14.8	
187 Dibenz(a,h)anthracene	278	16.045	16.040	0.005	79	3427896	14.8	
188 Benzo[g,h,i]perylene	276	16.457	16.446	0.011	94	3417401	16.2	
S 189 Methyl Phenols,Total	100				0		14.8	

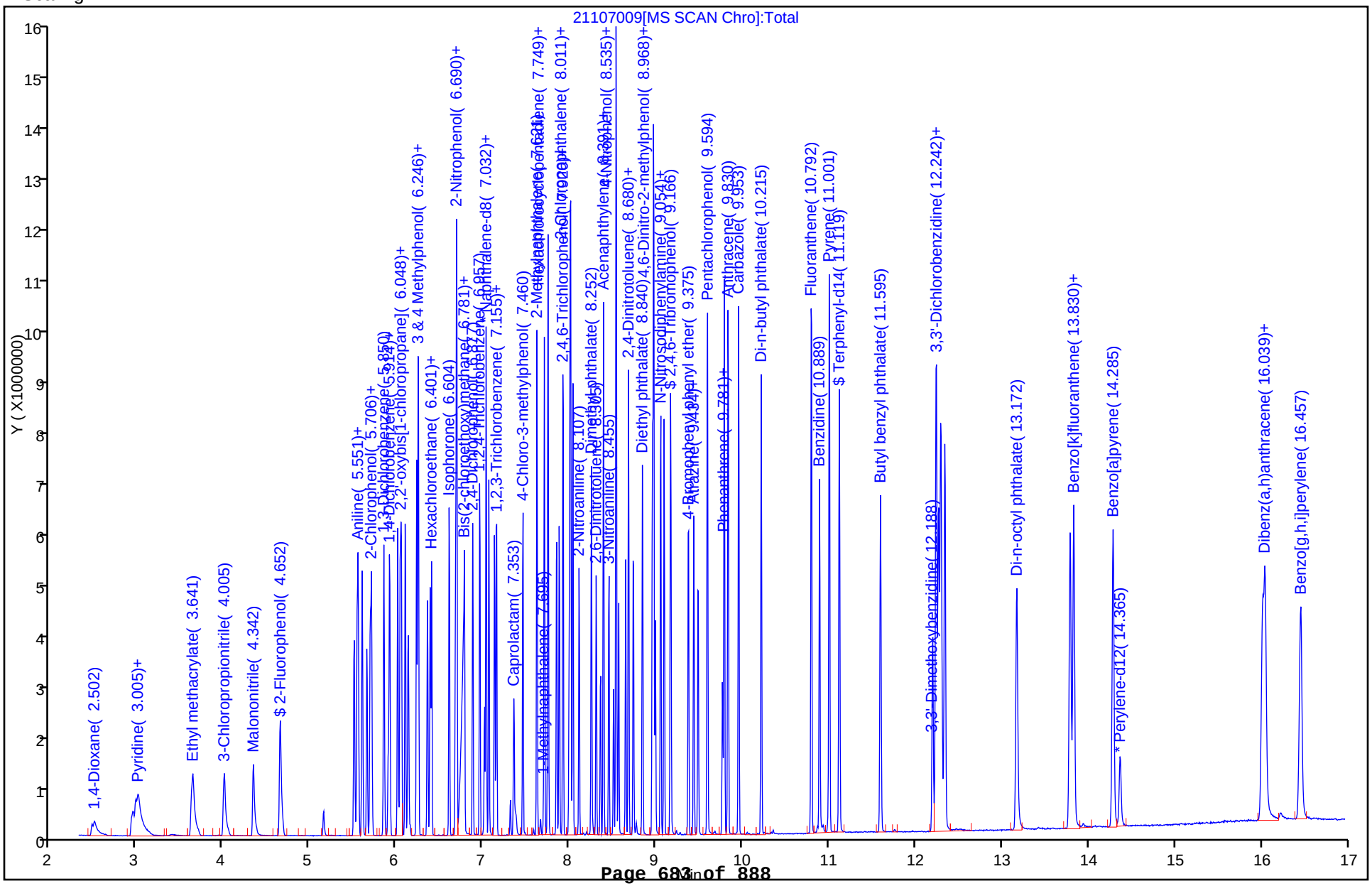
Report Date: 08-Nov-2012 13:38:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107009.D

Injection Date:	07-Nov-2012 14:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	9
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Lims ID:	std6 tcl	Client ID:	
Inject. Date:	07-Nov-2012 14:51:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0014744-010		
Misc. Info.:	std6 tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	64102	Lims Sample ID:	10
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:16	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 15:23:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	96	226874	4.00	
* 2 Naphthalene-d8	136	7.016	7.016	0.0	99	879477	4.00	
* 3 Acenaphthene-d10	164	8.509	8.509	0.0	93	492418	4.00	
* 4 Phenanthrene-d10	188	9.766	9.766	0.0	98	835794	4.00	
* 5 Chrysene-d12	240	12.301	12.301	0.0	77	860001	4.00	
* 6 Perylene-d12	264	14.365	14.365	0.0	96	705582	4.00	
$ 7 2-Fluorophenol	112	4.652	4.652	0.0	93	703304	10.0	
$ 8 Phenol-d5	99	5.540	5.540	0.0	83	897045	10.1	
$ 9 Nitrobenzene-d5	82	6.385	6.385	0.0	86	788287	10.2	
$ 10 2-Fluorobiphenyl (Surr)	172	7.920	7.920	0.0	100	1612497	10.1	
$ 11 2,4,6-Tribromophenol	330	9.172	9.172	0.0	92	211519	10.4	
$ 12 Terphenyl-d14	244	11.119	11.119	0.0	98	1624778	10.2	
24 1,4-Dioxane	88	2.502	2.502	0.0	96	289158	11.0	M
25 N-Nitrosodimethylamine	74	2.946	2.946	0.0	91	423432	9.36	
26 Pyridine	79	3.005	3.005	0.0	96	794755	10.5	
27 Ethyl methacrylate	69	3.641	3.641	0.0	91	626893	10.0	
28 3-Chloropropionitrile	54	4.005	4.005	0.0	87	453140	10.8	
32 Malononitrile	66	4.342	4.342	0.0	98	857909	10.9	
40 Benzaldehyde	77	5.508	5.508	0.0	90	555643	9.39	
41 Phenol	94	5.551	5.551	0.0	99	962001	10.1	
43 Aniline	93	5.599	5.599	0.0	97	1186890	10.0	
44 Bis(2-chloroethyl)ether	93	5.652	5.652	0.0	95	738530	10.1	
46 2-Chlorophenol	128	5.706	5.706	0.0	97	769809	10.0	
47 1,3-Dichlorobenzene	146	5.850	5.850	0.0	97	833741	10.1	
48 1,4-Dichlorobenzene	146	5.915	5.915	0.0	92	816468	9.94	
49 Benzyl alcohol	108	6.011	6.011	0.0	92	485275	10.3	
50 1,2-Dichlorobenzene	146	6.054	6.054	0.0	95	777307	9.93	
51 2-Methylphenol	108	6.096	6.096	0.0	95	707992	10.2	
52 2,2'-oxybis[1-chloropropane]	45	6.134	6.134	0.0	92	1057806	9.83	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.230	6.230	0.0	97	738384	10.2	
56 N-Nitrosodi-n-propylamine	70	6.246	6.246	0.0	84	524618	10.2	
57 Acetophenone	105	6.251	6.251	0.0	91	1013196	9.88	
60 Hexachloroethane	117	6.353	6.353	0.0	94	329140	9.86	
61 Nitrobenzene	77	6.401	6.401	0.0	83	818068	10.2	
63 Isophorone	82	6.605	6.605	0.0	97	1423776	10.1	
65 2-Nitrophenol	139	6.679	6.679	0.0	93	405972	10.8	
66 1,3,5-Trichlorobenzene	180	6.690	6.690	0.0	91	695736	9.98	
64 2,4-Dimethylphenol	107	6.695	6.695	0.0	92	748351	10.1	
69 Benzoic acid	122	6.760	6.760	0.0	85	941901	19.3	
68 Bis(2-chloroethoxy)methane	93	6.781	6.781	0.0	99	884059	9.92	
71 2,4-Dichlorophenol	162	6.877	6.877	0.0	96	596606	10.2	
72 1,2,4-Trichlorobenzene	180	6.958	6.958	0.0	93	688485	9.88	
73 Naphthalene	128	7.032	7.032	0.0	97	2202898	10.0	
74 4-Chloroaniline	127	7.064	7.064	0.0	85	951670	10.2	
77 Hexachlorobutadiene	225	7.129	7.129	0.0	93	378760	10.0	
78 1,2,3-Trichlorobenzene	180	7.150	7.150	0.0	92	649132	0	
83 Caprolactam	113	7.348	7.348	0.0	76	203996	9.14	
84 4-Chloro-3-methylphenol	107	7.455	7.455	0.0	96	636751	10.1	
85 2-Methylnaphthalene	142	7.621	7.621	0.0	90	1410272	10.0	
86 1-Methylnaphthalene	142	7.706	7.706	0.0	90	1345567	10.1	
87 1,2,3,5-Tetrachlorobenzene	216	7.749	7.749	0.0	92	661897	9.89	
88 Hexachlorocyclopentadiene	237	7.749	7.749	0.0	87	408777	10.2	
90 2,4,6-Trichlorophenol	196	7.845	7.845	0.0	94	438732	10.6	
91 2,4,5-Trichlorophenol	196	7.877	7.877	0.0	95	472532	10.6	
94 2,4-Toluene diamine	121	7.990	7.990	0.0	98	448465	10.0	
96 1,2,3,4 -Tetrachlorobenzene	216	8.001	8.001	0.0	95	650547	0	
95 1,1'-Biphenyl	154	8.011	8.011	0.0	94	1719982	9.89	
98 2-Chloronaphthalene	162	8.038	8.038	0.0	96	1374271	10.1	
100 2-Nitroaniline	65	8.107	8.107	0.0	82	429808	10.8	
103 Dimethyl phthalate	163	8.252	8.252	0.0	99	1475655	10.2	
105 2,6-Dinitrotoluene	165	8.305	8.305	0.0	94	334247	10.1	
106 1,2-Dinitrobenzene	168	8.354	8.354	0.0	88	169862	10.6	
107 Acenaphthylene	152	8.391	8.391	0.0	95	2313540	10.3	
108 3-Nitroaniline	138	8.450	8.450	0.0	94	394571	10.9	
110 Acenaphthene	153	8.535	8.535	0.0	90	1361892	10.1	
109 2,4-Dinitrophenol	184	8.535	8.535	0.0	70	434552	19.1	
111 4-Nitrophenol	109	8.562	8.562	0.0	91	226043	10.8	
112 2,4-Dinitrotoluene	165	8.648	8.648	0.0	90	444005	9.92	
114 Dibenzofuran	168	8.680	8.680	0.0	88	1991799	9.94	
115 2,3,5,6-Tetrachlorophenol	232	8.733	8.733	0.0	88	396818	10.8	
119 Diethyl phthalate	149	8.840	8.840	0.0	97	1513449	10.0	
121 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.0	91	782567	10.3	
123 4-Nitroaniline	138	8.969	8.969	0.0	82	389910	9.83	
124 Fluorene	166	8.969	8.969	0.0	83	1639050	10.2	
126 4,6-Dinitro-2-methylphenol	198	8.990	8.990	0.0	83	278233	10.1	
130 N-Nitrosodiphenylamine	169	9.049	9.049	0.0	0	1196917	10.4	
129 1,2-Diphenylhydrazine	77	9.092	9.092	0.0	0	1667611	10.3	
131 Azobenzene	77	9.092	9.092	0.0	99	1667682	10.3	
137 4-Bromophenyl phenyl ether	248	9.375	9.375	0.0	61	439508	10.3	
139 Hexachlorobenzene	284	9.434	9.434	0.0	86	438431	9.99	
140 Atrazine	200	9.482	9.482	0.0	90	341754	10.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	87	598614	20.1	
146 Phenanthrene	178	9.787	9.787	0.0	97	2260189	9.90	
147 Anthracene	178	9.830	9.830	0.0	97	2353100	10.4	
149 Carbazole	167	9.953	9.953	0.0	82	2277045	10.3	
151 Di-n-butyl phthalate	149	10.215	10.215	0.0	100	2651212	10.7	
157 Fluoranthene	202	10.792	10.792	0.0	97	2660336	10.5	
158 Benzidine	184	10.889	10.889	0.0	99	1469820	9.93	
160 Pyrene	202	11.001	11.001	0.0	96	2816771	10.3	
166 Butyl benzyl phthalate	149	11.595	11.595	0.0	97	1133141	10.0	
170 3,3'-Dimethoxybenzidine	244	12.194	12.194	0.0	89	579861	9.78	
173 3,3'-Dichlorobenzidine	252	12.237	12.237	0.0	62	969006	10.1	
172 4,4'-Methylene bis(2-chloroanili	231	12.237	12.237	0.0	70	443048	10.1	
171 Bis(2-ethylhexyl) phthalate	149	12.263	12.263	0.0	96	1589061	9.91	
175 Benzo[a]anthracene	228	12.290	12.290	0.0	95	2409756	10.0	
176 Chrysene	228	12.338	12.338	0.0	93	2308021	10.1	
178 Di-n-octyl phthalate	149	13.167	13.167	0.0	99	2499506	9.75	
180 Benzo[b]fluoranthene	252	13.788	13.788	0.0	88	2379256	10.6	
181 Benzo[k]fluoranthene	252	13.825	13.825	0.0	99	2696900	11.0	
182 Benzo[a]pyrene	252	14.280	14.280	0.0	77	2370709	10.1	
186 Indeno[1,2,3-cd]pyrene	276	16.007	16.007	0.0	94	2551684	9.97	
187 Dibenz(a,h)anthracene	278	16.040	16.040	0.0	70	2196359	10.1	
188 Benzo[g,h,i]perylene	276	16.446	16.446	0.0	93	2207668	10.9	
S 189 Methyl Phenols,Total	100				0		10.2	

QC Flag Legend

Review Flags
M - Manually Integrated

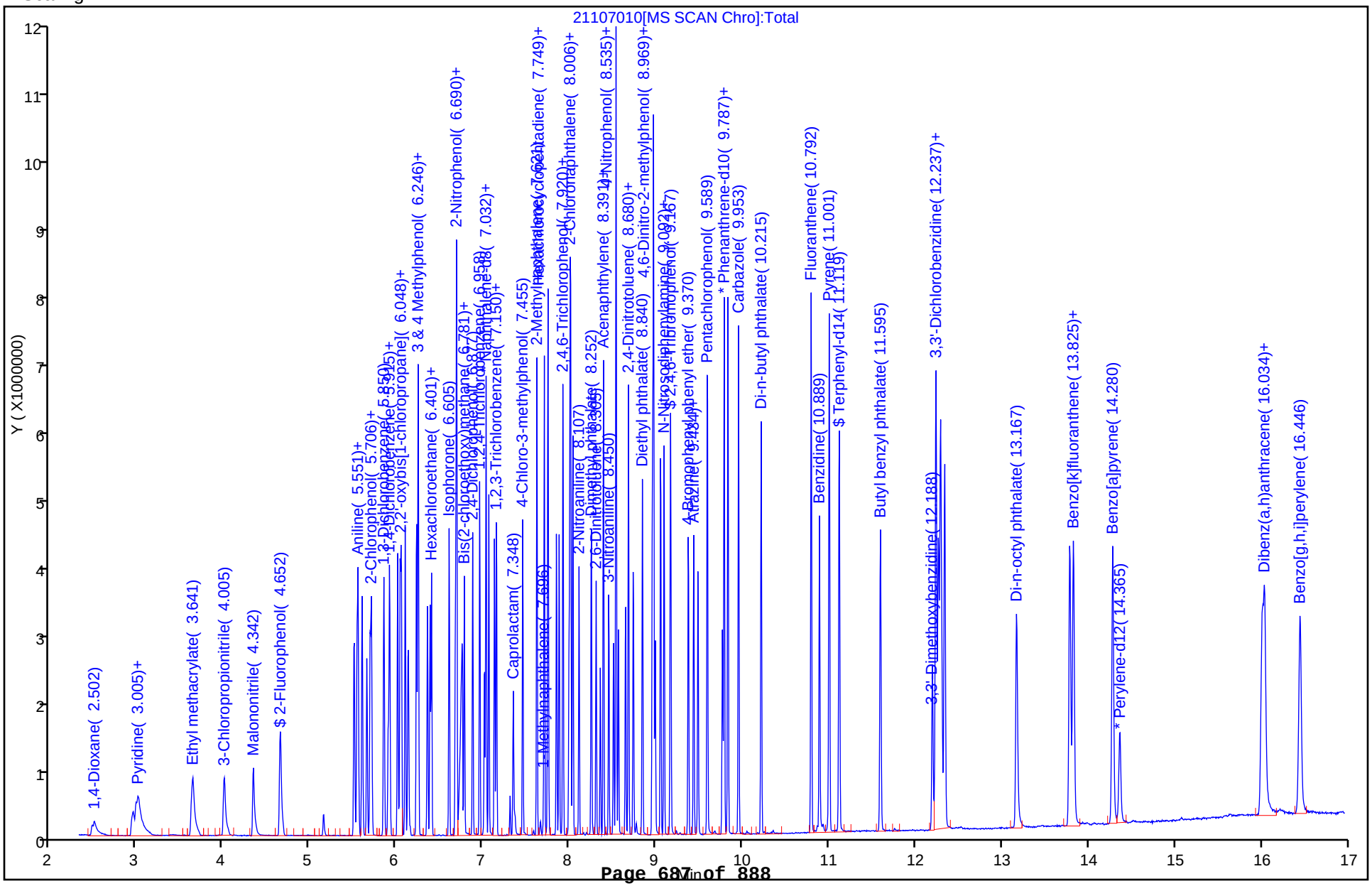
Report Date: 08-Nov-2012 13:38:17 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D

Injection Date:	07-Nov-2012 14:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

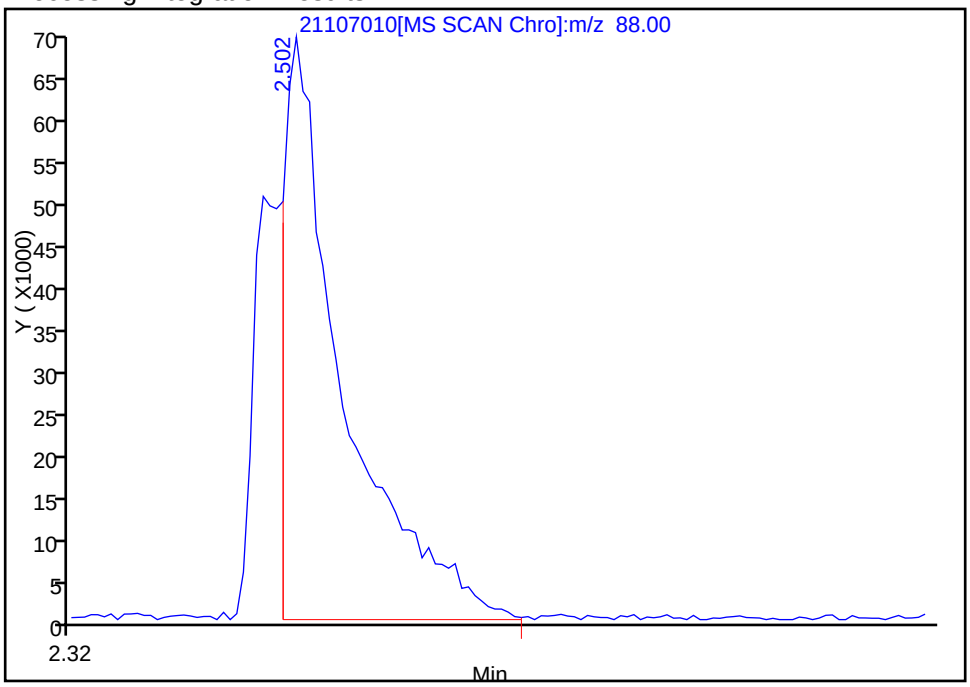
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Injection Date:	07-Nov-2012 14:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

24 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.50

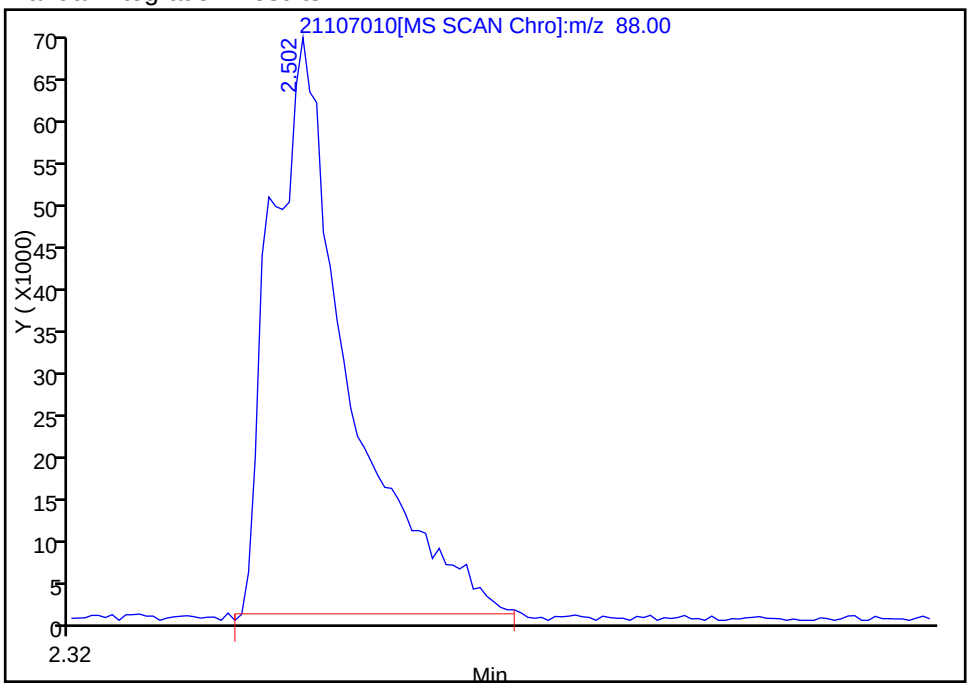
Processing Integration Results

RT: 2.50
Response: 230149
Amount: 8.993336



Manual Integration Results

RT: 2.50
Response: 289158
Amount: 10.982627



Reviewer: gruberj, 07-Nov-2012 15:23:31
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-65876/3 Calibration Date: 11/21/2012 12:04

Instrument ID: A4HP7 Calib Start Date: 11/06/2012 18:22

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/06/2012 21:05

Lab File ID: 21121003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosopyrrolidine	Ave	0.5573	0.6823		12.2	10.0	22.4	
2,6-Dichlorophenol	Ave	0.2496	0.2970		11.9	10.0	19.0	
1,2,4,5-Tetrachlorobenzene	Ave	0.5057	0.5686		11.2	10.0	12.4	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121003.D
Lims ID: icv ind
Client ID:
Inject. Date: 21-Nov-2012 12:04:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015157-003
Misc. Info.: icv ind
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 65876
Lims Sample ID: 3
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\8270_hp7.m
Last Update: 23-Nov-2012 10:11:01
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: gruberj
Date: 21-Nov-2012 12:38:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.863	5.863	0.0	96	177147	4.00	
* 2 Naphthalene-d8	136	6.986	6.986	0.0	99	653446	4.00	
* 3 Acenaphthene-d10	164	8.479	8.479	0.0	90	382015	4.00	
* 4 Phenanthrene-d10	188	9.736	9.736	0.0	98	646813	4.00	
* 5 Chrysene-d12	240	12.255	12.255	0.0	92	684665	4.00	
* 6 Perylene-d12	264	14.298	14.298	0.0	96	583062	4.00	
24 1,4-Dioxane	88	2.322	2.322	0.0	90	201729	9.81	
25 N-Nitrosodimethylamine	74	2.761	2.761	0.0	89	349885	9.88	
40 Benzaldehyde	77	5.467	5.467	0.0	92	84729	1.83	
41 Phenol	94	5.521	5.521	0.0	99	773465	10.4	
43 Aniline	93	5.564	5.564	0.0	97	804903	8.68	
44 Bis(2-chloroethyl)ether	93	5.617	5.617	0.0	94	579820	10.1	
46 2-Chlorophenol	128	5.671	5.671	0.0	97	603608	10.1	
47 1,3-Dichlorobenzene	146	5.815	5.815	0.0	97	628196	9.73	
48 1,4-Dichlorobenzene	146	5.879	5.879	0.0	92	646495	10.1	
49 Benzyl alcohol	108	5.981	5.981	0.0	90	398284	10.8	
50 1,2-Dichlorobenzene	146	6.018	6.018	0.0	94	612122	10.0	
51 2-Methylphenol	108	6.072	6.072	0.0	94	543596	10.1	
52 2,2'-oxybis[1-chloropropane]	45	6.099	6.098	0.001	90	859053	10.2	
191 3 & 4 Methylphenol	108	6.200	6.200	0.0	96	570864	10.1	
56 N-Nitrosodi-n-propylamine	70	6.211	6.211	0.0	91	449895	11.2	
55 N-Nitrosopyrrolidine	100	6.195	6.216	-0.021	86	302176	12.2	
57 Acetophenone	105	6.216	6.216	0.0	92	820764	10.3	
60 Hexachloroethane	117	6.323	6.323	0.0	93	254205	9.75	
61 Nitrobenzene	77	6.371	6.371	0.0	88	660182	11.1	
63 Isophorone	82	6.575	6.574	0.001	97	1159205	11.1	
65 2-Nitrophenol	139	6.649	6.649	0.0	96	327696	11.7	
64 2,4-Dimethylphenol	107	6.671	6.671	0.0	93	576285	10.5	
69 Benzoic acid	122	6.735	6.735	0.0	89	732247	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
68 Bis(2-chloroethoxy)methane	93	6.756	6.756	0.0	93	709536	10.7	
71 2,4-Dichlorophenol	162	6.853	6.853	0.0	95	489269	11.3	
72 1,2,4-Trichlorobenzene	180	6.933	6.933	0.0	93	545042	10.5	
73 Naphthalene	128	7.002	7.002	0.0	97	1765860	10.8	
74 4-Chloroaniline	127	7.040	7.040	0.0	87	735481	10.6	
75 2,6-Dichlorophenol	162	7.051	7.066	-0.015	97	485255	11.9	
77 Hexachlorobutadiene	225	7.104	7.104	0.0	93	308594	11.0	
83 Caprolactam	113	7.323	7.323	0.0	78	175336	10.7	
84 4-Chloro-3-methylphenol	107	7.436	7.436	0.0	97	530067	11.4	
85 2-Methylnaphthalene	142	7.596	7.596	0.0	90	1115557	10.7	
88 Hexachlorocyclopentadiene	237	7.725	7.724	0.001	92	356944	11.5	
89 1,2,4,5-Tetrachlorobenzene	216	7.735	7.751	-0.016	97	542992	11.2	
90 2,4,6-Trichlorophenol	196	7.821	7.826	-0.005	92	363528	11.3	
91 2,4,5-Trichlorophenol	196	7.853	7.853	0.0	94	388156	11.2	
95 1,1'-Biphenyl	154	7.981	7.987	-0.006	95	1453465	10.8	
98 2-Chloronaphthalene	162	8.008	8.008	0.0	96	1118029	10.6	
100 2-Nitroaniline	65	8.083	8.083	0.0	81	354609	11.5	
103 Dimethyl phthalate	163	8.222	8.222	0.0	98	1234629	11.0	
105 2,6-Dinitrotoluene	165	8.281	8.281	0.0	94	274624	10.6	
107 Acenaphthylene	152	8.366	8.361	0.005	91	1826368	10.5	
108 3-Nitroaniline	138	8.431	8.425	0.006	96	314364	11.2	
110 Acenaphthene	153	8.511	8.511	0.0	89	1081151	10.3	
109 2,4-Dinitrophenol	184	8.516	8.516	0.0	85	371571	20.9	
111 4-Nitrophenol	109	8.548	8.548	0.0	94	176528	10.9	
112 2,4-Dinitrotoluene	165	8.623	8.623	0.0	92	377306	10.8	
114 Dibenzofuran	168	8.655	8.655	0.0	89	1609834	10.4	
117 2,3,4,6-Tetrachlorophenol	232	8.746	8.762	-0.016	73	298804	10.7	
119 Diethyl phthalate	149	8.816	8.816	0.0	98	1266760	10.8	
121 4-Chlorophenyl phenyl ether	204	8.928	8.928	0.0	92	634542	10.7	
123 4-Nitroaniline	138	8.944	8.944	0.0	49	288035	9.37	
124 Fluorene	166	8.944	8.944	0.0	91	1307463	10.5	
126 4,6-Dinitro-2-methylphenol	198	8.965	8.965	0.0	83	231817	10.8	
130 N-Nitrosodiphenylamine	169	9.024	9.024	0.0	0	937504	10.5	
131 Azobenzene	77	9.062	9.062	0.0	99	1371495	10.9	
137 4-Bromophenyl phenyl ether	248	9.345	9.345	0.0	62	365346	11.1	
139 Hexachlorobenzene	284	9.409	9.409	0.0	91	381632	11.2	
140 Atrazine	200	9.458	9.457	0.001	93	180624	7.44	
141 Pentachlorophenol	266	9.564	9.564	0.0	86	497747	21.5	
146 Phenanthrene	178	9.757	9.757	0.0	97	1859306	10.5	
147 Anthracene	178	9.800	9.800	0.0	97	1909227	10.9	
149 Carbazole	167	9.928	9.928	0.0	82	1797762	10.5	
151 Di-n-butyl phthalate	149	10.185	10.185	0.0	100	2171394	11.3	
157 Fluoranthene	202	10.763	10.762	0.001	97	2147977	11.0	
158 Benzidine	184	10.859	10.859	0.0	97	76849	1.06	
160 Pyrene	202	10.966	10.971	-0.005	96	2170507	9.94	
166 Butyl benzyl phthalate	149	11.554	11.549	0.005	97	930260	10.3	
173 3,3'-Dichlorobenzidine	252	12.191	12.191	0.0	70	596899	7.89	
171 Bis(2-ethylhexyl) phthalate	149	12.207	12.207	0.0	96	1288902	10.1	
175 Benzo[a]anthracene	228	12.239	12.244	-0.005	96	1965064	10.3	
176 Chrysene	228	12.287	12.287	0.0	94	1873123	10.3	
178 Di-n-octyl phthalate	149	13.100	13.100	0.0	99	2154786	10.1	
180 Benzo[b]fluoranthene	252	13.720	13.726	-0.006	94	1821558	9.79	

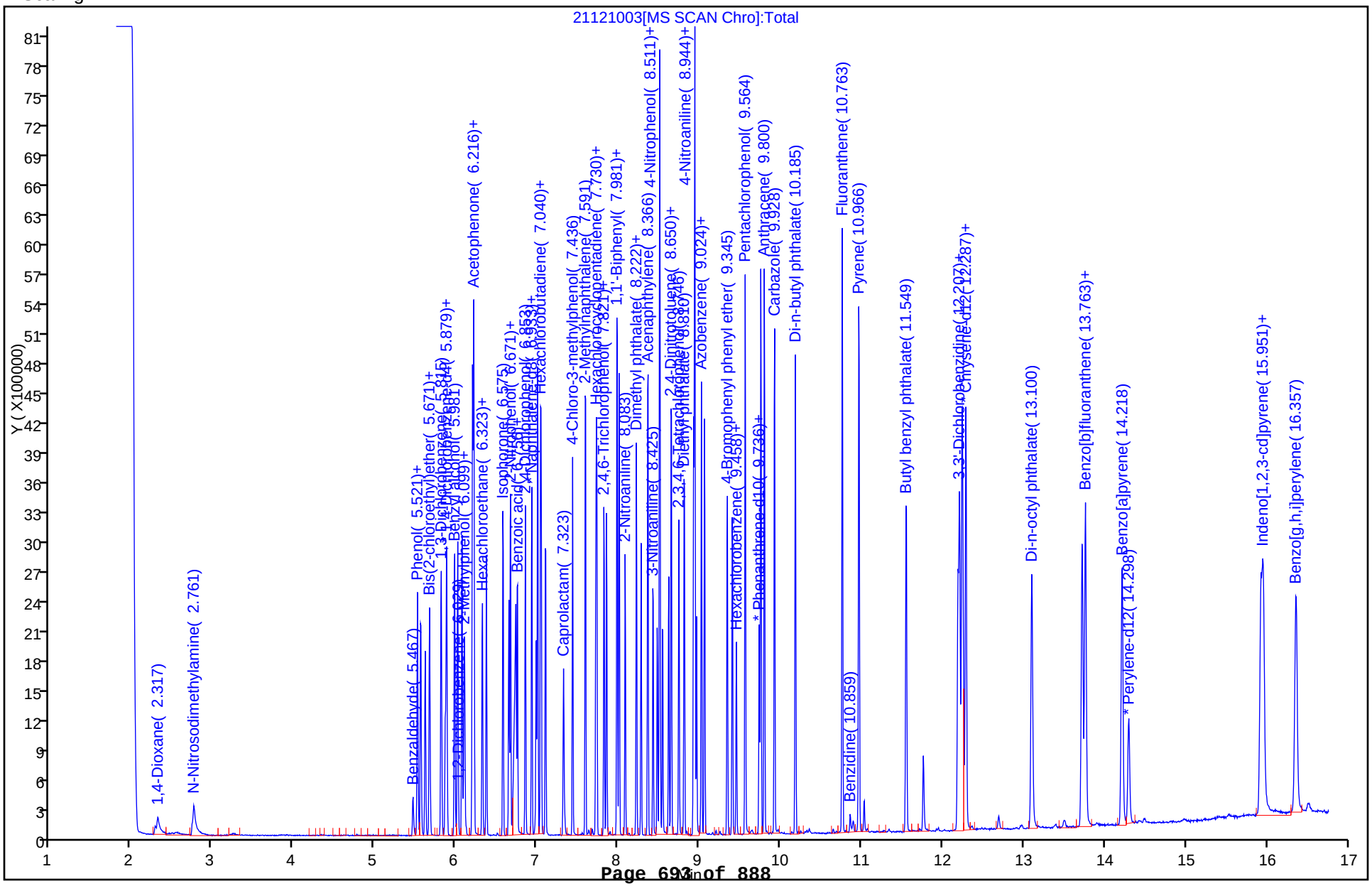
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 Benzo[k]fluoranthene	252	13.763	13.763	0.0	95	2077381	10.3	
182 Benzo[a]pyrene	252	14.218	14.212	0.006	77	1699586	8.86	
186 Indeno[1,2,3-cd]pyrene	276	15.929	15.929	0.0	98	2138028	10.1	
187 Dibenz(a,h)anthracene	278	15.956	15.956	0.0	73	1805698	10.0	
188 Benzo[g,h,i]perylene	276	16.357	16.362	-0.005	93	1852387	11.1	

Report Date: 23-Nov-2012 10:11:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121003.D		
Injection Date:	21-Nov-2012 12:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-65876/3 Calibration Date: 11/21/2012 12:04

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21121003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4642	0.4555		9.81	10.0	-1.9	
N-Nitrosodimethylamine	Qua		0.7900		9.88	10.0	-1.2	
Benzaldehyde	Ave	1.043	0.1913		1.83	10.0	-81.7	
Phenol	Ave	1.674	1.746		10.4	10.0	4.3	
Aniline	Ave	2.093	1.817		8.68	10.0	-13.2	
Bis(2-chloroethyl)ether	Ave	1.293	1.309		10.1	10.0	1.3	
2-Chlorophenol	Ave	1.352	1.363		10.1	10.0	0.8	
1,3-Dichlorobenzene	Ave	1.457	1.418		9.73	10.0	-2.7	
1,4-Dichlorobenzene	Ave	1.448	1.460		10.1	10.0	0.8	
Benzyl alcohol	Ave	0.8332	0.8993		10.8	10.0	7.9	
1,2-Dichlorobenzene	Ave	1.380	1.382		10.0	10.0	0.1	
2-Methylphenol	Ave	1.220	1.227		10.1	10.0	0.6	
3 & 4 Methylphenol	Ave	1.279	1.289		10.1	10.0	0.8	
N-Nitrosodi-n-propylamine	Ave	0.9059	1.016		11.2	10.0	12.1	
Acetophenone	Ave	1.808	1.853		10.3	10.0	2.5	
Hexachloroethane	Ave	0.5884	0.5740		9.75	10.0	-2.5	
Nitrobenzene	Ave	0.3635	0.4041		11.1	10.0	11.2	
Isophorone	Ave	0.6380	0.7096		11.1	10.0	11.2	
2-Nitrophenol	Ave	0.1710	0.2006		11.7	10.0	17.3	
2,4-Dimethylphenol	Ave	0.3362	0.3528		10.5	10.0	4.9	
Benzoic acid	Qua		0.2241		20.1	20.0	0.5	
Bis(2-chloroethoxy)methane	Ave	0.4052	0.4343		10.7	10.0	7.2	
2,4-Dichlorophenol	Ave	0.2657	0.2995		11.3	10.0	12.7	
1,2,4-Trichlorobenzene	Ave	0.3169	0.3336		10.5	10.0	5.3	
Naphthalene	Ave	0.999	1.081		10.8	10.0	8.2	
Hexachlorobutadiene	Ave	0.1716	0.1889		11.0	10.0	10.1	
Caprolactam	Qua		0.1073		10.7	10.0	6.9	
4-Chloro-3-methylphenol	Ave	0.2854	0.3245		11.4	10.0	13.7	
2-Methylnaphthalene	Ave	0.6393	0.6829		10.7	10.0	6.8	
Hexachlorocyclopentadiene	Ave	0.3241	0.3738		11.5	10.0	15.3	
2,4,6-Trichlorophenol	Ave	0.3372	0.3806		11.3	10.0	12.9	
2,4,5-Trichlorophenol	Ave	0.3632	0.4064		11.2	10.0	11.9	
1,1'-Biphenyl	Ave	1.413	1.522		10.8	10.0	7.7	
2-Chloronaphthalene	Ave	1.105	1.171		10.6	10.0	6.0	
2-Nitroaniline	Ave	0.3242	0.3713		11.5	10.0	14.5	
Dimethyl phthalate	Ave	1.175	1.293		11.0	10.0	10.0	
2,6-Dinitrotoluene	Qua		0.2876		10.6	10.0	6.4	
Acenaphthylene	Ave	1.825	1.912		10.5	10.0	4.8	
3-Nitroaniline	Ave	0.2941	0.3292		11.2	10.0	11.9	
Acenaphthene	Ave	1.097	1.132		10.3	10.0	3.2	
2,4-Dinitrophenol	Qua		0.1945		20.9	20.0	4.4	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: ICV 240-65876/3 Calibration Date: 11/21/2012 12:04

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21121003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1694	0.1848		10.9	10.0	9.1	
2,4-Dinitrotoluene	Qua		0.3951		10.8	10.0	8.2	
Dibenzofuran	Ave	1.629	1.686		10.4	10.0	3.5	
Diethyl phthalate	Ave	1.228	1.326		10.8	10.0	8.0	
4-Chlorophenyl phenyl ether	Ave	0.6187	0.6644		10.7	10.0	7.4	
4-Nitroaniline	Qua		0.3016		9.37	10.0	-6.3	
Fluorene	Ave	1.308	1.369		10.5	10.0	4.7	
4,6-Dinitro-2-methylphenol	Qua		0.1434		10.8	10.0	7.7	
N-Nitrosodiphenylamine	Ave	0.5517	0.5798		10.5	10.0	5.1	
4-Bromophenyl phenyl ether	Ave	0.2040	0.2259		11.1	10.0	10.7	
Hexachlorobenzene	Ave	0.2101	0.2360		11.2	10.0	12.3	
Atrazine	Ave	0.1501	0.1117		7.44	10.0	-25.6	
Pentachlorophenol	Qua		0.1539		21.5	20.0	7.5	
Phenanthrene	Ave	1.093	1.150		10.5	10.0	5.2	
Anthracene	Ave	1.086	1.181		10.9	10.0	8.7	
Carbazole	Ave	1.055	1.112		10.5	10.0	5.4	
Di-n-butyl phthalate	Ave	1.185	1.343		11.3	10.0	13.4	
Fluoranthene	Ave	1.207	1.328		11.0	10.0	10.1	
Benzidine	Qua		0.0449		1.06	10.0	-89.4	
Pyrene	Ave	1.276	1.268		9.94	10.0	-0.6	
Butyl benzyl phthalate	Qua		0.5435		10.3	10.0	3.0	
3,3'-Dichlorobenzidine	Qua		0.3487		7.89	10.0	-21.1	
Bis(2-ethylhexyl) phthalate	Qua		0.7530		10.1	10.0	0.9	
Benzo[a]anthracene	Ave	1.116	1.148		10.3	10.0	2.8	
Chrysene	Ave	1.064	1.094		10.3	10.0	2.9	
Di-n-octyl phthalate	Qua		1.478		10.1	10.0	1.4	
Benzo[b]fluoranthene	Ave	1.276	1.250		9.79	10.0	-2.1	
Benzo[k]fluoranthene	Ave	1.387	1.425		10.3	10.0	2.8	
Benzo[a]pyrene	Qua		1.166		8.86	10.0	-11.4	
Indeno[1,2,3-cd]pyrene	Qua		1.467		10.1	10.0	1.0	
Dibenz(a,h)anthracene	Qua		1.239		10.0	10.0	0.1	
Benzo[g,h,i]perylene	Ave	1.145	1.271		11.1	10.0	11.0	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121003.D
Lims ID: icv ind
Client ID:
Inject. Date: 21-Nov-2012 12:04:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015157-003
Misc. Info.: icv ind
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 65876
Lims Sample ID: 3
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\8270_hp7.m
Last Update: 23-Nov-2012 10:11:01
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK037

First Level Reviewer: gruberj
Date: 21-Nov-2012 12:38:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.863	5.863	0.0	96	177147	4.00	
* 2 Naphthalene-d8	136	6.986	6.986	0.0	99	653446	4.00	
* 3 Acenaphthene-d10	164	8.479	8.479	0.0	90	382015	4.00	
* 4 Phenanthrene-d10	188	9.736	9.736	0.0	98	646813	4.00	
* 5 Chrysene-d12	240	12.255	12.255	0.0	92	684665	4.00	
* 6 Perylene-d12	264	14.298	14.298	0.0	96	583062	4.00	
24 1,4-Dioxane	88	2.322	2.322	0.0	90	201729	9.81	
25 N-Nitrosodimethylamine	74	2.761	2.761	0.0	89	349885	9.88	
40 Benzaldehyde	77	5.467	5.467	0.0	92	84729	1.83	
41 Phenol	94	5.521	5.521	0.0	99	773465	10.4	
43 Aniline	93	5.564	5.564	0.0	97	804903	8.68	
44 Bis(2-chloroethyl)ether	93	5.617	5.617	0.0	94	579820	10.1	
46 2-Chlorophenol	128	5.671	5.671	0.0	97	603608	10.1	
47 1,3-Dichlorobenzene	146	5.815	5.815	0.0	97	628196	9.73	
48 1,4-Dichlorobenzene	146	5.879	5.879	0.0	92	646495	10.1	
49 Benzyl alcohol	108	5.981	5.981	0.0	90	398284	10.8	
50 1,2-Dichlorobenzene	146	6.018	6.018	0.0	94	612122	10.0	
51 2-Methylphenol	108	6.072	6.072	0.0	94	543596	10.1	
52 2,2'-oxybis[1-chloropropane]	45	6.099	6.098	0.001	90	859053	10.2	
191 3 & 4 Methylphenol	108	6.200	6.200	0.0	96	570864	10.1	
56 N-Nitrosodi-n-propylamine	70	6.211	6.211	0.0	91	449895	11.2	
55 N-Nitrosopyrrolidine	100	6.195	6.216	-0.021	86	302176	12.2	
57 Acetophenone	105	6.216	6.216	0.0	92	820764	10.3	
60 Hexachloroethane	117	6.323	6.323	0.0	93	254205	9.75	
61 Nitrobenzene	77	6.371	6.371	0.0	88	660182	11.1	
63 Isophorone	82	6.575	6.574	0.001	97	1159205	11.1	
65 2-Nitrophenol	139	6.649	6.649	0.0	96	327696	11.7	
64 2,4-Dimethylphenol	107	6.671	6.671	0.0	93	576285	10.5	
69 Benzoic acid	122	6.735	6.735	0.0	89	732247	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
68 Bis(2-chloroethoxy)methane	93	6.756	6.756	0.0	93	709536	10.7	
71 2,4-Dichlorophenol	162	6.853	6.853	0.0	95	489269	11.3	
72 1,2,4-Trichlorobenzene	180	6.933	6.933	0.0	93	545042	10.5	
73 Naphthalene	128	7.002	7.002	0.0	97	1765860	10.8	
74 4-Chloroaniline	127	7.040	7.040	0.0	87	735481	10.6	
75 2,6-Dichlorophenol	162	7.051	7.066	-0.015	97	485255	11.9	
77 Hexachlorobutadiene	225	7.104	7.104	0.0	93	308594	11.0	
83 Caprolactam	113	7.323	7.323	0.0	78	175336	10.7	
84 4-Chloro-3-methylphenol	107	7.436	7.436	0.0	97	530067	11.4	
85 2-Methylnaphthalene	142	7.596	7.596	0.0	90	1115557	10.7	
88 Hexachlorocyclopentadiene	237	7.725	7.724	0.001	92	356944	11.5	
89 1,2,4,5-Tetrachlorobenzene	216	7.735	7.751	-0.016	97	542992	11.2	
90 2,4,6-Trichlorophenol	196	7.821	7.826	-0.005	92	363528	11.3	
91 2,4,5-Trichlorophenol	196	7.853	7.853	0.0	94	388156	11.2	
95 1,1'-Biphenyl	154	7.981	7.987	-0.006	95	1453465	10.8	
98 2-Chloronaphthalene	162	8.008	8.008	0.0	96	1118029	10.6	
100 2-Nitroaniline	65	8.083	8.083	0.0	81	354609	11.5	
103 Dimethyl phthalate	163	8.222	8.222	0.0	98	1234629	11.0	
105 2,6-Dinitrotoluene	165	8.281	8.281	0.0	94	274624	10.6	
107 Acenaphthylene	152	8.366	8.361	0.005	91	1826368	10.5	
108 3-Nitroaniline	138	8.431	8.425	0.006	96	314364	11.2	
110 Acenaphthene	153	8.511	8.511	0.0	89	1081151	10.3	
109 2,4-Dinitrophenol	184	8.516	8.516	0.0	85	371571	20.9	
111 4-Nitrophenol	109	8.548	8.548	0.0	94	176528	10.9	
112 2,4-Dinitrotoluene	165	8.623	8.623	0.0	92	377306	10.8	
114 Dibenzofuran	168	8.655	8.655	0.0	89	1609834	10.4	
117 2,3,4,6-Tetrachlorophenol	232	8.746	8.762	-0.016	73	298804	10.7	
119 Diethyl phthalate	149	8.816	8.816	0.0	98	1266760	10.8	
121 4-Chlorophenyl phenyl ether	204	8.928	8.928	0.0	92	634542	10.7	
123 4-Nitroaniline	138	8.944	8.944	0.0	49	288035	9.37	
124 Fluorene	166	8.944	8.944	0.0	91	1307463	10.5	
126 4,6-Dinitro-2-methylphenol	198	8.965	8.965	0.0	83	231817	10.8	
130 N-Nitrosodiphenylamine	169	9.024	9.024	0.0	0	937504	10.5	
131 Azobenzene	77	9.062	9.062	0.0	99	1371495	10.9	
137 4-Bromophenyl phenyl ether	248	9.345	9.345	0.0	62	365346	11.1	
139 Hexachlorobenzene	284	9.409	9.409	0.0	91	381632	11.2	
140 Atrazine	200	9.458	9.457	0.001	93	180624	7.44	
141 Pentachlorophenol	266	9.564	9.564	0.0	86	497747	21.5	
146 Phenanthrene	178	9.757	9.757	0.0	97	1859306	10.5	
147 Anthracene	178	9.800	9.800	0.0	97	1909227	10.9	
149 Carbazole	167	9.928	9.928	0.0	82	1797762	10.5	
151 Di-n-butyl phthalate	149	10.185	10.185	0.0	100	2171394	11.3	
157 Fluoranthene	202	10.763	10.762	0.001	97	2147977	11.0	
158 Benzidine	184	10.859	10.859	0.0	97	76849	1.06	
160 Pyrene	202	10.966	10.971	-0.005	96	2170507	9.94	
166 Butyl benzyl phthalate	149	11.554	11.549	0.005	97	930260	10.3	
173 3,3'-Dichlorobenzidine	252	12.191	12.191	0.0	70	596899	7.89	
171 Bis(2-ethylhexyl) phthalate	149	12.207	12.207	0.0	96	1288902	10.1	
175 Benzo[a]anthracene	228	12.239	12.244	-0.005	96	1965064	10.3	
176 Chrysene	228	12.287	12.287	0.0	94	1873123	10.3	
178 Di-n-octyl phthalate	149	13.100	13.100	0.0	99	2154786	10.1	
180 Benzo[b]fluoranthene	252	13.720	13.726	-0.006	94	1821558	9.79	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
181 Benzo[k]fluoranthene	252	13.763	13.763	0.0	95	2077381	10.3	
182 Benzo[a]pyrene	252	14.218	14.212	0.006	77	1699586	8.86	
186 Indeno[1,2,3-cd]pyrene	276	15.929	15.929	0.0	98	2138028	10.1	
187 Dibenz(a,h)anthracene	278	15.956	15.956	0.0	73	1805698	10.0	
188 Benzo[g,h,i]perylene	276	16.357	16.362	-0.005	93	1852387	11.1	

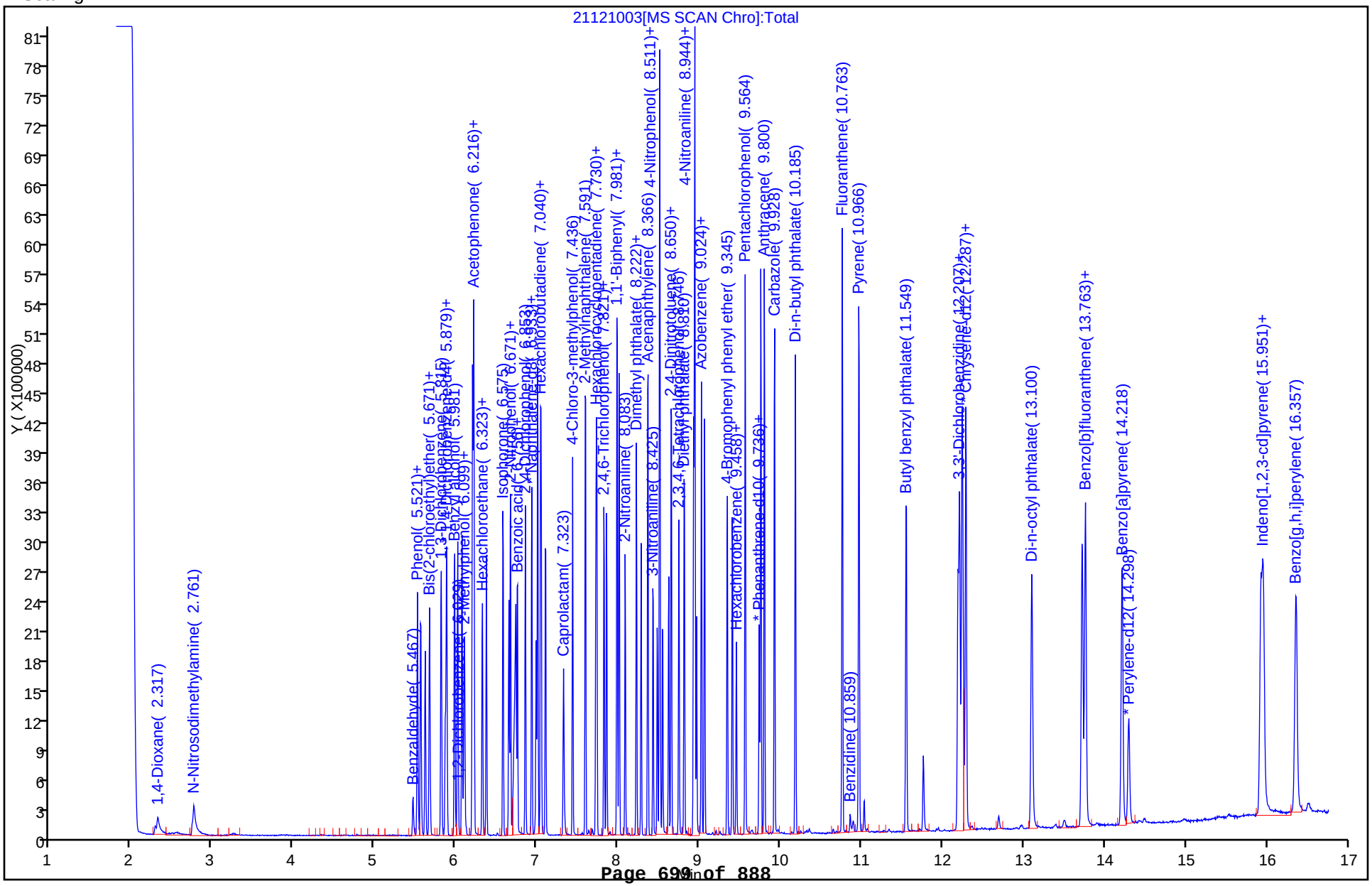
Report Date: 23-Nov-2012 10:11:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121003.D

Injection Date:	21-Nov-2012 12:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: CCV 240-67544/2 Calibration Date: 12/06/2012 09:18

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21206002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4642	0.4480		9.65	10.0	-3.5	
N-Nitrosodimethylamine	Qua		0.7137		8.96	10.0	-10.4	
Pyridine	Ave	1.330	1.211		9.10	10.0	-9.0	
Benzaldehyde	Ave	1.043	0.9125		8.75	10.0	-12.5	
Phenol	Ave	1.674	1.566		9.36	10.0	-6.4	
Aniline	Ave	2.093	1.910		9.12	10.0	-8.8	
Bis(2-chloroethyl)ether	Ave	1.293	1.174		9.08	10.0	-9.2	
2-Chlorophenol	Ave	1.352	1.273		9.41	10.0	-5.9	
1,3-Dichlorobenzene	Ave	1.457	1.378		9.46	10.0	-5.4	
1,4-Dichlorobenzene	Ave	1.448	1.359		9.38	10.0	-6.2	
Benzyl alcohol	Ave	0.8332	0.7660		9.19	10.0	-8.1	
1,2-Dichlorobenzene	Ave	1.380	1.320		9.56	10.0	-4.4	
2-Methylphenol	Ave	1.220	1.117		9.16	10.0	-8.4	
3 & 4 Methylphenol	Ave	1.279	1.199		9.37	10.0	-6.3	
N-Nitrosodi-n-propylamine	Ave	0.9059	0.8399		9.27	10.0	-7.3	
Acetophenone	Ave	1.808	1.693		9.36	10.0	-6.4	
Hexachloroethane	Ave	0.5884	0.5423		9.22	10.0	-7.8	
Nitrobenzene	Ave	0.3635	0.3477		9.57	10.0	-4.3	
Isophorone	Ave	0.6380	0.6096		9.55	10.0	-4.5	
2-Nitrophenol	Ave	0.1710	0.1692		9.89	10.0	-1.1	
2,4-Dimethylphenol	Ave	0.3362	0.3220		9.58	10.0	-4.2	
Benzoic acid	Qua		0.1795		16.4	20.0	-17.9	
Bis(2-chloroethoxy)methane	Ave	0.4052	0.3850		9.50	10.0	-5.0	
2,4-Dichlorophenol	Ave	0.2657	0.2614		9.84	10.0	-1.6	
1,2,4-Trichlorobenzene	Ave	0.3169	0.3138		9.90	10.0	-1.0	
Naphthalene	Ave	0.999	0.9634		9.64	10.0	-3.6	
Hexachlorobutadiene	Ave	0.1716	0.1652		9.62	10.0	-3.8	
Caprolactam	Qua		0.0955		9.43	10.0	-5.7	
4-Chloro-3-methylphenol	Ave	0.2854	0.2867		10.0	10.0	0.5	
2-Methylnaphthalene	Ave	0.6393	0.6224		9.73	10.0	-2.7	
Hexachlorocyclopentadiene	Ave	0.3241	0.2636		8.13	10.0	-18.7	
2,4,6-Trichlorophenol	Ave	0.3372	0.3215		9.53	10.0	-4.7	
2,4,5-Trichlorophenol	Ave	0.3632	0.3381		9.31	10.0	-6.9	
1,1'-Biphenyl	Ave	1.413	1.271		8.99	10.0	-10.1	
2-Chloronaphthalene	Ave	1.105	0.9895		8.96	10.0	-10.4	
2-Nitroaniline	Ave	0.3242	0.3061		9.44	10.0	-5.6	
Dimethyl phthalate	Ave	1.175	1.097		9.34	10.0	-6.6	
2,6-Dinitrotoluene	Qua		0.2437		9.08	10.0	-9.2	
Acenaphthylene	Ave	1.825	1.644		9.01	10.0	-9.9	
3-Nitroaniline	Ave	0.2941	0.2849		9.69	10.0	-3.1	
Acenaphthene	Ave	1.097	1.011		9.21	10.0	-7.9	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: CCV 240-67544/2 Calibration Date: 12/06/2012 09:18

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21206002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua		0.1467		16.3	20.0	-18.6	
4-Nitrophenol	Ave	0.1694	0.1601		9.45	10.0	-5.5	
2,4-Dinitrotoluene	Qua		0.3377		9.32	10.0	-6.8	
Dibenzofuran	Ave	1.629	1.460		8.96	10.0	-10.4	
Diethyl phthalate	Ave	1.228	1.141		9.29	10.0	-7.1	
4-Chlorophenyl phenyl ether	Ave	0.6187	0.5798		9.37	10.0	-6.3	
Fluorene	Ave	1.308	1.201		9.18	10.0	-8.2	
4-Nitroaniline	Qua		0.2942		9.15	10.0	-8.5	
4,6-Dinitro-2-methylphenol	Qua		0.1109		8.53	10.0	-14.7	
N-Nitrosodiphenylamine	Ave	0.5517	0.4975		9.02	10.0	-9.8	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785	0.6799		8.73	10.0	-12.7	
4-Bromophenyl phenyl ether	Ave	0.2040	0.1889		9.26	10.0	-7.4	
Hexachlorobenzene	Ave	0.2101	0.1909		9.08	10.0	-9.2	
Atrazine	Ave	0.1501	0.1414		9.42	10.0	-5.8	
Pentachlorophenol	Qua		0.1249		17.6	20.0	-12.0	
Phenanthrene	Ave	1.093	0.9624		8.81	10.0	-11.9	
Anthracene	Ave	1.086	1.000		9.21	10.0	-7.9	
Carbazole	Ave	1.055	0.9508		9.01	10.0	-9.9	
Di-n-butyl phthalate	Ave	1.185	1.102		9.30	10.0	-7.0	
Fluoranthene	Ave	1.207	1.121		9.29	10.0	-7.1	
Benzidine	Qua		0.5819		8.58	10.0	-14.2	
Pyrene	Ave	1.276	1.163		9.11	10.0	-8.9	
Butyl benzyl phthalate	Qua		0.4607		8.80	10.0	-12.0	
3,3'-Dichlorobenzidine	Qua		0.4100		9.23	10.0	-7.7	
Bis(2-ethylhexyl) phthalate	Qua		0.6614		8.92	10.0	-10.8	
Benzo[a]anthracene	Ave	1.116	1.039		9.30	10.0	-7.0	
Chrysene	Ave	1.064	0.9551		8.98	10.0	-10.2	
Di-n-octyl phthalate	Qua		1.219		8.49	10.0	-15.1	
Benzo[b]fluoranthene	Ave	1.276	1.260		9.87	10.0	-1.3	
Benzo[k]fluoranthene	Ave	1.387	1.352		9.75	10.0	-2.5	
Benzo[a]pyrene	Qua		1.214		9.21	10.0	-7.9	
Indeno[1,2,3-cd]pyrene	Qua		1.355		9.36	10.0	-6.4	
Dibenz(a,h)anthracene	Qua		1.110		9.00	10.0	-10.0	
Benzo[g,h,i]perylene	Ave	1.145	1.151		10.1	10.0	0.5	
2-Fluorophenol (Surr)	Ave	1.236	1.128		9.12	10.0	-8.8	
Phenol-d5 (Surr)	Ave	1.570	1.468		9.35	10.0	-6.5	
Nitrobenzene-d5 (Surr)	Ave	0.3517	0.3504		9.96	10.0	-0.4	
2-Fluorobiphenyl (Surr)	Ave	1.298	1.169		9.01	10.0	-9.9	
2,4,6-Tribromophenol (Surr)	Ave	0.1655	0.1625		9.82	10.0	-1.8	
Terphenyl-d14 (Surr)	Ave	0.7408	0.6776		9.15	10.0	-8.5	

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206002.D
Lims ID: ccv tcl
Client ID:
Inject. Date: 06-Dec-2012 09:18:30
Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015580-002
Misc. Info.: ccv tcl
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 67544
Lims Sample ID: 2
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:42
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj
Date: 06-Dec-2012 07:47:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.733	5.733	0.0	95	184159	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	688169	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	91	422324	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	97	743042	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	88	761868	4.00	
* 6 Perylene-d12	264	14.035	14.035	0.0	94	631203	4.00	
$ 7 2-Fluorophenol	112	4.434	4.434	0.0	94	519181	9.12	
$ 8 Phenol-d5	99	5.380	5.380	0.0	96	675898	9.35	
$ 9 Nitrobenzene-d5	82	6.226	6.226	0.0	89	602763	9.96	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	1234669	9.01	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	91	171615	9.82	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	99	1290663	9.15	
24 1,4-Dioxane	88	2.048	2.048	0.0	95	206243	9.65	
25 N-Nitrosodimethylamine	74	2.471	2.471	0.0	81	328568	8.96	
26 Pyridine	79	2.514	2.514	0.0	95	557382	9.10	
27 Ethyl methacrylate	69	3.252	3.252	0.0	91	442829	8.70	M
28 3-Chloropropionitrile	54	3.706	3.706	0.0	89	325311	9.58	
32 Malononitrile	66	4.118	4.118	0.0	98	591578	9.23	
40 Benzaldehyde	77	5.327	5.327	0.0	91	420104	8.75	
41 Phenol	94	5.391	5.391	0.0	99	721090	9.36	
43 Aniline	93	5.423	5.423	0.0	97	879342	9.12	
44 Bis(2-chloroethyl)ether	93	5.487	5.487	0.0	96	540634	9.08	
46 2-Chlorophenol	128	5.536	5.536	0.0	96	585931	9.41	
47 1,3-Dichlorobenzene	146	5.680	5.680	0.0	97	634615	9.46	
48 1,4-Dichlorobenzene	146	5.750	5.750	0.0	93	625451	9.38	
49 Benzyl alcohol	108	5.851	5.851	0.0	92	352682	9.19	
50 1,2-Dichlorobenzene	146	5.883	5.883	0.0	88	607521	9.56	
51 2-Methylphenol	108	5.947	5.947	0.0	97	514407	9.16	
52 2,2'-oxybis[1-chloropropane]	45	5.974	5.974	0.0	90	784803	8.99	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.081	6.081	0.0	95	551829	9.37	
56 N-Nitrosodi-n-propylamine	70	6.086	6.086	0.0	86	386672	9.27	
57 Acetophenone	105	6.092	6.092	0.0	94	779370	9.36	
60 Hexachloroethane	117	6.188	6.188	0.0	92	249692	9.22	
61 Nitrobenzene	77	6.242	6.242	0.0	84	598199	9.57	
63 Isophorone	82	6.450	6.450	0.0	100	1048688	9.55	
65 2-Nitrophenol	139	6.520	6.520	0.0	97	291147	9.89	
66 1,3,5-Trichlorobenzene	180	6.530	6.530	0.0	95	533754	9.78	
64 2,4-Dimethylphenol	107	6.546	6.546	0.0	93	554021	9.58	
69 Benzoic acid	122	6.616	6.616	0.0	84	617501	16.4	
68 Bis(2-chloroethoxy)methane	93	6.632	6.632	0.0	93	662278	9.50	
71 2,4-Dichlorophenol	162	6.728	6.728	0.0	95	449717	9.84	
72 1,2,4-Trichlorobenzene	180	6.803	6.803	0.0	92	539879	9.90	
73 Naphthalene	128	6.873	6.873	0.0	97	1657487	9.64	
74 4-Chloroaniline	127	6.916	6.916	0.0	87	702745	9.59	
77 Hexachlorobutadiene	225	6.974	6.974	0.0	94	284163	9.62	
78 1,2,3-Trichlorobenzene	180	6.996	6.996	0.0	92	501720	0	
83 Caprolactam	113	7.199	7.199	0.0	74	164326	9.43	
84 4-Chloro-3-methylphenol	107	7.311	7.311	0.0	96	493298	10.0	
85 2-Methylnaphthalene	142	7.466	7.466	0.0	90	1070732	9.73	
86 1-Methylnaphthalene	142	7.552	7.552	0.0	89	1002710	9.58	
87 1,2,3,5-Tetrachlorobenzene	216	7.595	7.595	0.0	96	534872	9.32	
88 Hexachlorocyclopentadiene	237	7.595	7.595	0.0	75	278264	8.13	
90 2,4,6-Trichlorophenol	196	7.696	7.696	0.0	92	339398	9.53	
91 2,4,5-Trichlorophenol	196	7.729	7.729	0.0	95	356930	9.31	
94 2,4-Toluene diamine	121	7.841	7.841	0.0	98	336287	9.60	
96 1,2,3,4 -Tetrachlorobenzene	216	7.846	7.846	0.0	95	502612	0	
95 1,1'-Biphenyl	154	7.857	7.857	0.0	93	1341675	8.99	
98 2-Chloronaphthalene	162	7.878	7.878	0.0	96	1044710	8.96	
100 2-Nitroaniline	65	7.959	7.959	0.0	87	323142	9.44	
103 Dimethyl phthalate	163	8.098	8.098	0.0	98	1158294	9.34	
105 2,6-Dinitrotoluene	165	8.156	8.156	0.0	96	257346	9.08	
106 1,2-Dinitrobenzene	168	8.205	8.205	0.0	89	133167	9.68	
107 Acenaphthylene	152	8.231	8.231	0.0	91	1735802	9.01	
108 3-Nitroaniline	138	8.301	8.301	0.0	95	300752	9.69	
110 Acenaphthene	153	8.376	8.376	0.0	94	1067074	9.21	
109 2,4-Dinitrophenol	184	8.386	8.386	0.0	84	309715	16.3	
111 4-Nitrophenol	109	8.424	8.424	0.0	92	168997	9.45	
112 2,4-Dinitrotoluene	165	8.493	8.493	0.0	89	356544	9.32	
114 Dibenzofuran	168	8.520	8.520	0.0	88	1541347	8.96	
115 2,3,5,6-Tetrachlorophenol	232	8.579	8.579	0.0	89	310557	9.82	
119 Diethyl phthalate	149	8.686	8.686	0.0	97	1204611	9.29	
121 4-Chlorophenyl phenyl ether	204	8.798	8.798	0.0	91	612116	9.37	
124 Fluorene	166	8.809	8.809	0.0	93	1267508	9.18	
123 4-Nitroaniline	138	8.814	8.814	0.0	73	310592	9.15	
126 4,6-Dinitro-2-methylphenol	198	8.836	8.836	0.0	83	206058	8.53	
130 N-Nitrosodiphenylamine	169	8.895	8.895	0.0	0	924074	9.02	
129 1,2-Diphenylhydrazine	77	8.932	8.932	0.0	0	1262896	8.73	
131 Azobenzene	77	8.932	8.932	0.0	99	1262891	8.73	
137 4-Bromophenyl phenyl ether	248	9.210	9.210	0.0	63	350877	9.26	
139 Hexachlorobenzene	284	9.274	9.274	0.0	90	354537	9.08	
140 Atrazine	200	9.328	9.328	0.0	90	262649	9.42	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.435	9.435	0.0	90	463848	17.6	
146 Phenanthrene	178	9.622	9.622	0.0	97	1787819	8.81	
147 Anthracene	178	9.665	9.665	0.0	97	1856801	9.21	
149 Carbazole	167	9.793	9.793	0.0	82	1766144	9.01	
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	100	2046938	9.30	
157 Fluoranthene	202	10.622	10.622	0.0	97	2081973	9.29	
158 Benzidine	184	10.718	10.718	0.0	99	1108345	8.58	
160 Pyrene	202	10.820	10.820	0.0	98	2214456	9.11	
166 Butyl benzyl phthalate	149	11.387	11.387	0.0	97	877478	8.80	
170 3,3'-Dimethoxybenzidine	244	11.959	11.959	0.0	89	409701	8.02	
172 4,4'-Methylene bis(2-chloroanili	231	11.997	11.997	0.0	69	354345	9.17	
173 3,3'-Dichlorobenzidine	252	11.997	11.997	0.0	70	780971	9.23	
171 Bis(2-ethylhexyl) phthalate	149	12.018	12.018	0.0	94	1259698	8.92	
175 Benzo[a]anthracene	228	12.040	12.040	0.0	96	1978187	9.30	
176 Chrysene	228	12.088	12.088	0.0	95	1819153	8.98	
178 Di-n-octyl phthalate	149	12.879	12.879	0.0	99	1923497	8.49	
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	94	1988285	9.87	
181 Benzo[k]fluoranthene	252	13.510	13.510	0.0	95	2133920	9.75	
182 Benzo[a]pyrene	252	13.954	13.954	0.0	76	1915173	9.21	
186 Indeno[1,2,3-cd]pyrene	276	15.628	15.628	0.0	94	2137697	9.36	
187 Dibenz(a,h)anthracene	278	15.650	15.650	0.0	76	1751468	9.00	
188 Benzo[g,h,i]perylene	276	16.030	16.030	0.0	93	1816756	10.1	
S 189 Methyl Phenols,Total	100				0		9.16	

QC Flag Legend

Review Flags
M - Manually Integrated

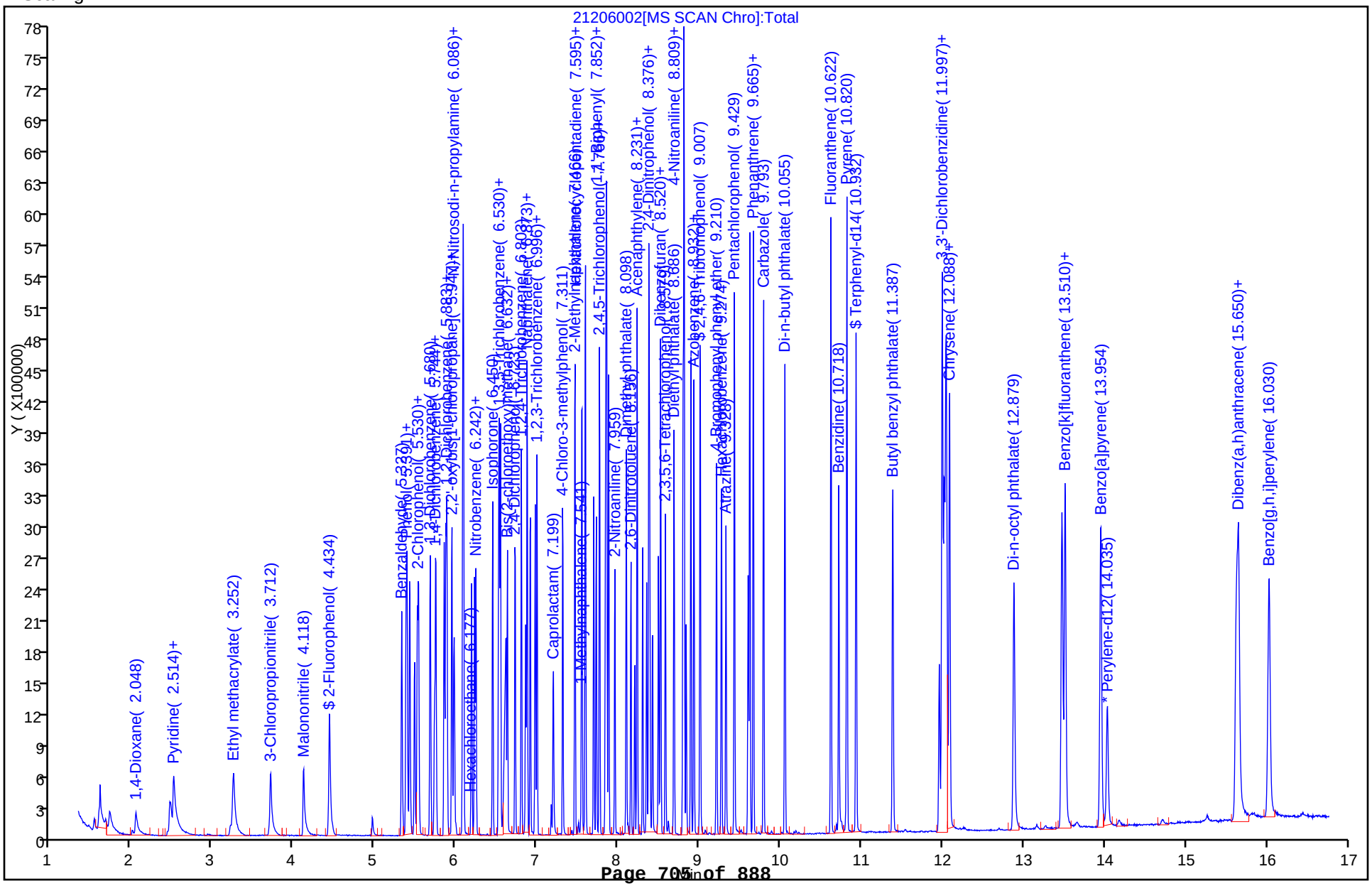
Report Date: 07-Dec-2012 12:54:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206002.D

Injection Date:	06-Dec-2012 09:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	2
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/06/2012 18:39

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21206026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.043			0.0730	0.100		
Phenol	Ave	1.674			0.0842	0.100		
Aniline	Ave	2.093			0.0906	0.100		
Bis(2-chloroethyl)ether	Ave	1.293			0.108	0.100		
2-Chlorophenol	Ave	1.352			0.0961	0.100		
1,3-Dichlorobenzene	Ave	1.457			0.110	0.100		
1,4-Dichlorobenzene	Ave	1.448			0.110	0.100		
Benzyl alcohol	Ave	0.8332			0.0703	0.100		
1,2-Dichlorobenzene	Ave	1.380			0.105	0.100		
2-Methylphenol	Ave	1.220			0.0731	0.100		
3 & 4 Methylphenol	Ave	1.279			0.0778	0.100		
N-Nitrosodi-n-propylamine	Ave	0.9059			0.111	0.100		
Acetophenone	Ave	1.808			0.101	0.100		
Hexachloroethane	Ave	0.5884			0.100	0.100		
Nitrobenzene	Ave	0.3635			0.0903	0.100		
Isophorone	Ave	0.6380			0.0896	0.100		
2-Nitrophenol	Ave	0.1710			0.0610	0.100		
2,4-Dimethylphenol	Ave	0.3362			0.103	0.100		
Bis(2-chloroethoxy)methane	Ave	0.4052			0.101	0.100		
2,4-Dichlorophenol	Ave	0.2657			0.0752	0.100		
1,2,4-Trichlorobenzene	Ave	0.3169			0.102	0.100		
Naphthalene	Ave	0.999			0.0971	0.100		
Hexachlorobutadiene	Ave	0.1716			0.120	0.100		
4-Chloro-3-methylphenol	Ave	0.2854			0.0939	0.100		
2-Methylnaphthalene	Ave	0.6393			0.0984	0.100		
2,4,6-Trichlorophenol	Ave	0.3372			0.0787	0.100		
2,4,5-Trichlorophenol	Ave	0.3632			0.0961	0.100		
1,1'-Biphenyl	Ave	1.413			0.100	0.100		
2-Chloronaphthalene	Ave	1.105			0.0975	0.100		
2-Nitroaniline	Ave	0.3242			0.0890	0.100		
Dimethyl phthalate	Ave	1.175			0.102	0.100		
Acenaphthylene	Ave	1.825			0.0946	0.100		
3-Nitroaniline	Ave	0.2941			0.0524	0.100		
Acenaphthene	Ave	1.097			0.108	0.100		
Dibenzofuran	Ave	1.629			0.101	0.100		
Diethyl phthalate	Ave	1.228			0.0987	0.100		
4-Chlorophenyl phenyl ether	Ave	0.6187			0.0994	0.100		
Fluorene	Ave	1.308			0.0912	0.100		
N-Nitrosodiphenylamine	Ave	0.5517			0.0946	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			0.0879	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/06/2012 18:39

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21206026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromophenyl phenyl ether	Ave	0.2040			0.117	0.100		
Hexachlorobenzene	Ave	0.2101			0.0968	0.100		
Phenanthrene	Ave	1.093			0.0990	0.100		
Anthracene	Ave	1.086			0.0963	0.100		
Carbazole	Ave	1.055			0.0885	0.100		
Di-n-butyl phthalate	Ave	1.185			0.0948	0.100		
Fluoranthene	Ave	1.207			0.101	0.100		
Pyrene	Ave	1.276			0.0912	0.100		
Butyl benzyl phthalate	Qua				0.200	0.100		
Bis(2-ethylhexyl) phthalate	Qua				0.296	0.100		
Benzo[a]anthracene	Ave	1.116			0.102	0.100		
Chrysene	Ave	1.064			0.108	0.100		
Di-n-octyl phthalate	Qua				0.385	0.100		
Benzo[b]fluoranthene	Ave	1.276			0.0822	0.100		
Benzo[k]fluoranthene	Ave	1.387			0.105	0.100		
Benzo[a]pyrene	Qua				0.197	0.100		
Indeno[1,2,3-cd]pyrene	Qua				0.167	0.100		
Dibenz(a,h)anthracene	Qua				0.237	0.100		
Benzo[g,h,i]perylene	Ave	1.145			0.0949	0.100		
1,4-Dioxane	Ave	0.4642			0.000800	0.100		
2,4-Dinitrophenol	Qua				0.00240	0.200		
2,4-Dinitrotoluene	Qua				0.000800	0.100		
2,6-Dinitrotoluene	Qua				0.000800	0.100		
3,3'-Dichlorobenzidine	Qua				0.000800	0.100		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.100		
4-Nitroaniline	Qua				0.000800	0.100		
4-Nitrophenol	Ave	0.1694			0.00240	0.100		
Atrazine	Ave	0.1501			0.000800	0.100		
Benzidine	Qua				0.00240	0.100		
Benzoic acid	Qua				0.0100	0.200		
Caprolactam	Qua				0.000800	0.100		
Hexachlorocyclopentadiene	Ave	0.3241			0.000800	0.100		
N-Nitrosodimethylamine	Qua				0.000800	0.100		
Pentachlorophenol	Qua				0.00240	0.200		
Pyridine	Ave	1.330			0.000800	0.100		
2-Fluorophenol (Surr)	Ave	1.236			0.0869	0.100	87	35-105
Phenol-d5 (Surr)	Ave	1.570			0.0856	0.100	86	40-100

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/06/2012 18:39

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21206026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Nitrobenzene-d5 (Surr)	Ave	0.3517			0.0951	0.100	95	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			0.0997	0.100	100	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			0.0855	0.100	85	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			0.0984	0.100	98	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206026.D
Lims ID: mdll1 Client ID:
Inject. Date: 06-Dec-2012 18:39:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015580-026
Misc. Info.: mdll1
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 67544 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 13:01:26 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj Date: 07-Dec-2012 12:45:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.733	5.733	0.0	96	179924	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	703984	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	407779	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	97	737584	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	97	742681	4.00	
* 6 Perylene-d12	264	14.035	14.035	-0.001	92	615669	4.00	
$ 7 2-Fluorophenol	112	4.466	4.434	0.032	1	4834	0.0869	M
$ 8 Phenol-d5	99	5.391	5.380	0.011	74	6042	0.0856	
$ 9 Nitrobenzene-d5	82	6.225	6.226	-0.001	69	5886	0.0951	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	91	13184	0.0997	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	29	1442	0.0855	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	82	13528	0.0984	
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
21 Octachlorostyrene	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
24 1,4-Dioxane	88		2.048					
25 N-Nitrosodimethylamine	74		2.471					9
26 Pyridine	79		2.514					9
27 Ethyl methacrylate	69		3.252					9
232 1-Methyl-2-pyrrilidinone	99	3.252	3.271	-0.019	0	409	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.706					
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					9
32 Malononitrile	66		4.118					
33 Acrylamide	71	4.268	4.349	-0.081	1	72	0	
34 Methyl methanesulfonate	80		4.451					
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44		4.536					14
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77	5.338	5.327	0.011	74	3426	0.0730	
37 2-Methylcyclohexanone	68	5.375	5.376	-0.001	14	61	0	
41 Phenol	94	5.396	5.391	0.005	55	6340	0.0842	
38 3-Methylcyclohexanone	69	5.418	5.414	0.004	1	423	0	
43 Aniline	93	5.429	5.423	0.006	70	8533	0.0906	
39 4-Methylcyclohexanone	55	5.487	5.462	0.025	1	1055	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.493	5.487	0.006	63	6256	0.1076	
46 2-Chlorophenol	128	5.536	5.536	0.0	68	5847	0.0961	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.680	5.680	0.0	80	7192	0.1097	
48 1,4-Dichlorobenzene	146	5.744	5.750	-0.006	57	7193	0.1105	
49 Benzyl alcohol	108	5.862	5.851	0.011	58	2633	0.0703	
50 1,2-Dichlorobenzene	146	5.883	5.883	0.0	65	6515	0.1049	
51 2-Methylphenol	108	5.947	5.947	0.0	66	4014	0.0731	
52 2,2'-oxybis[1-chloropropane]	45	5.974	5.974	0.0	62	8428	0.0988	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.081	6.081	0.0	88	4474	0.0778	
56 N-Nitrosodi-n-propylamine	70	6.086	6.086	0.0	74	4526	0.1111	
57 Acetophenone	105	6.092	6.092	0.0	88	8229	0.1012	
60 Hexachloroethane	117	6.188	6.188	0.0	75	2647	0.1000	
55 N-Nitrosopyrrolidine	100		6.216					
61 Nitrobenzene	77	6.242	6.242	0.0	72	5775	0.0903	
58 N-Nitrosomorpholine	56		6.248					
59 2-Toluidine	106		6.269					9
63 Isophorone	82	6.450	6.450	0.0	74	10062	0.0896	
65 2-Nitrophenol	139	6.525	6.520	0.005	64	1837	0.0610	
62 N-Nitrosopiperidine	114		6.521					
66 1,3,5-Trichlorobenzene	180	6.530	6.530	0.0	80	6222	0.1115	
64 2,4-Dimethylphenol	107	6.546	6.546	0.0	61	6097	0.1030	
69 Benzoic acid	122		6.616					9
68 Bis(2-chloroethoxy)methane	93	6.632	6.632	0.0	87	7225	0.1013	
71 2,4-Dichlorophenol	162	6.728	6.728	0.0	77	3517	0.0752	
67 o,o',o''-Triethylphosphorothioat	198		6.740					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.803	6.803	0.0	80	5686	0.1020	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.873	6.873	0.0	68	17083	0.0971	
74 4-Chloroaniline	127	6.915	6.916	-0.001	64	6254	0.0834	
77 Hexachlorobutadiene	225	6.974	6.974	0.0	50	3638	0.1204	
78 1,2,3-Trichlorobenzene	180	6.996	6.996	0.0	75	6086	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					
83 Caprolactam	113		7.199					9
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.311	7.311	0.0	60	4715	0.0939	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.466	7.466	0.0	75	11077	0.0984	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.552	7.552	0.0	82	11926	0.1114	
87 1,2,3,5-Tetrachlorobenzene	216	7.595	7.595	0.0	73	5796	0.1046	
88 Hexachlorocyclopentadiene	237		7.595					9
90 2,4,6-Trichlorophenol	196	7.696	7.696	0.0	59	2705	0.0787	
91 2,4,5-Trichlorophenol	196	7.728	7.729	0.0	65	3557	0.0961	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					19
94 2,4-Toluene diamine	121		7.841					9
96 1,2,3,4 -Tetrachlorobenzene	216	7.846	7.846	0.0	87	5907	0	
95 1,1'-Biphenyl	154	7.857	7.857	0.0	89	14414	0.1001	
98 2-Chloronaphthalene	162	7.878	7.878	0.0	74	10974	0.0975	
100 2-Nitroaniline	65	7.958	7.959	0.0	44	2942	0.0890	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163	8.098	8.098	0.0	96	12232	0.1021	
105 2,6-Dinitrotoluene	165		8.156					
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.204	8.205	-0.001	55	1184	0.0891	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.231	8.231	0.0	89	17589	0.0946	
104 1,3-Dinitrobenzene	168		8.275					9
108 3-Nitroaniline	138	8.306	8.301	0.005	58	1571	0.0524	
110 Acenaphthene	153	8.376	8.376	0.0	72	12071	0.1079	
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					9
112 2,4-Dinitrotoluene	165		8.493					9
114 Dibenzofuran	168	8.520	8.520	0.0	72	16733	0.1008	
115 2,3,5,6-Tetrachlorophenol	232		8.579					9
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.686	8.686	0.0	86	12361	0.0987	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
121 4-Chlorophenyl phenyl ether	204	8.798	8.798	0.0	80	6268	0.0994	
118 2-Naphthylamine	143		8.799					
124 Fluorene	166	8.809	8.809	0.0	86	12155	0.0912	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138		8.814					9
126 4,6-Dinitro-2-methylphenol	198		8.836					
130 N-Nitrosodiphenylamine	169	8.894	8.895	0.0	0	9627	0.0946	
120 Thionazin	97		8.901					
129 1,2-Diphenylhydrazine	77	8.932	8.932	0.0	0	12616	0.0879	
131 Azobenzene	77	8.932	8.932	0.0	88	12616	0.0879	
122 N-Nitro-o-toluidine	152		8.954					9
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248	9.210	9.210	0.0	54	4390	0.1167	
133 1,3,5-Trinitrobenzene	213		9.238					
139 Hexachlorobenzene	284	9.274	9.274	0.0	56	3749	0.0968	
228 Diallate Peak 1	86		9.275					1
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					
140 Atrazine	200		9.328					9
230 Diallate Peak 2	86		9.356					14
138 Dimethoate	87		9.430					
141 Pentachlorophenol	266		9.435					9
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.622	9.622	0.0	85	19942	0.0990	
147 Anthracene	178	9.665	9.665	0.0	92	19283	0.0963	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.793	9.793	0.0	79	17203	0.0885	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	93	20714	0.0948	
152 Diphenylsulfone	125		10.169					
153 Ethyl Parathion	97		10.366					
154 4-Nitroquinoline-1-oxide	190		10.420					
155 Methapyrilene	58		10.463					9
157 Fluoranthene	202	10.622	10.622	0.0	93	22552	0.1013	
156 Isodrin	66		10.655					
158 Benzidine	184		10.718					9
160 Pyrene	202	10.820	10.820	0.0	90	21621	0.0912	
164 4,4'-DDE	246		10.879					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					149
163 4,4'-DDD	235		11.226					
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.387	11.387	0.0	82	7297	0.1999	
168 4,4'-DDT	235		11.499					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244		11.959					9
172 4,4'-Methylene bis(2-chloroanili	231		11.997					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252		11.997					9
171 Bis(2-ethylhexyl) phthalate	149	12.023	12.018	0.005	73	14199	0.2959	
175 Benzo[a]anthracene	228	12.039	12.040	-0.001	68	21044	0.1015	
176 Chrysene	228	12.088	12.088	0.0	38	21364	0.1082	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.879	12.879	0.0	56	12532	0.3853	
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	84	16153	0.0822	
181 Benzo[k]fluoranthene	252	13.510	13.510	0.0	71	22307	0.1045	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.960	13.954	0.006	49	16816	0.1975	
183 3-Methylcholanthrene	268		14.774					9
184 Dibenz[a,j]acridine	279		15.501					
185 Dibenz[a,h]acridine	279		15.576					9
186 Indeno[1,2,3-cd]pyrene	276	15.628	15.628	0.0	70	18757	0.1669	M
187 Dibenz(a,h)anthracene	278	15.655	15.650	0.005	18	13068	0.2371	
188 Benzo[g,h,i]perylene	276	16.019	16.030	-0.011	67	16732	0.0949	M
S 189 Methyl Phenols,Total	100				0		0.0731	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.064	3.050	0.014	1	207	0	
T 194 Octadecane (TIC)	254		6.300					1
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

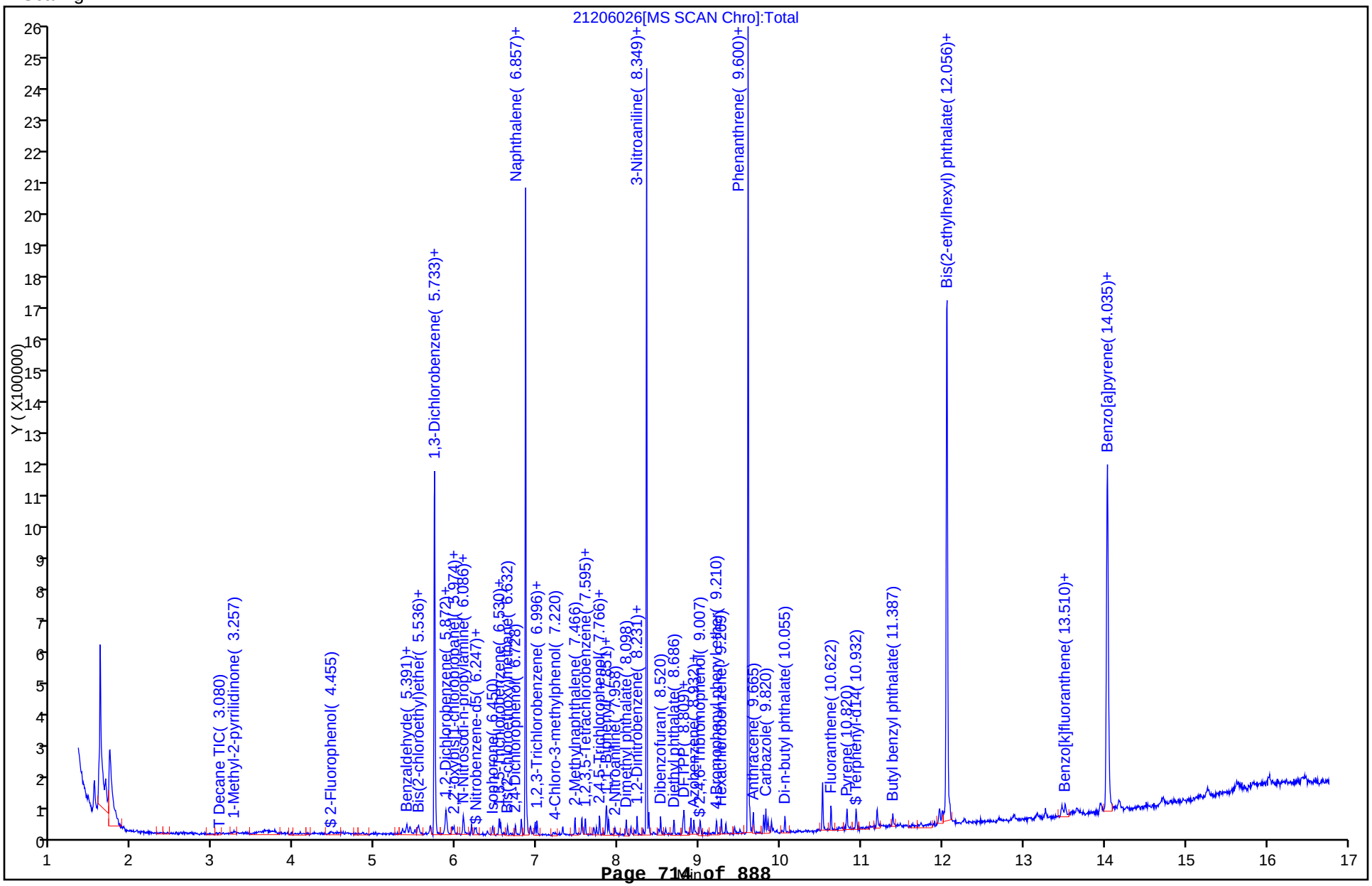
Report Date: 07-Dec-2012 14:14:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206026.D

Injection Date:	06-Dec-2012 18:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

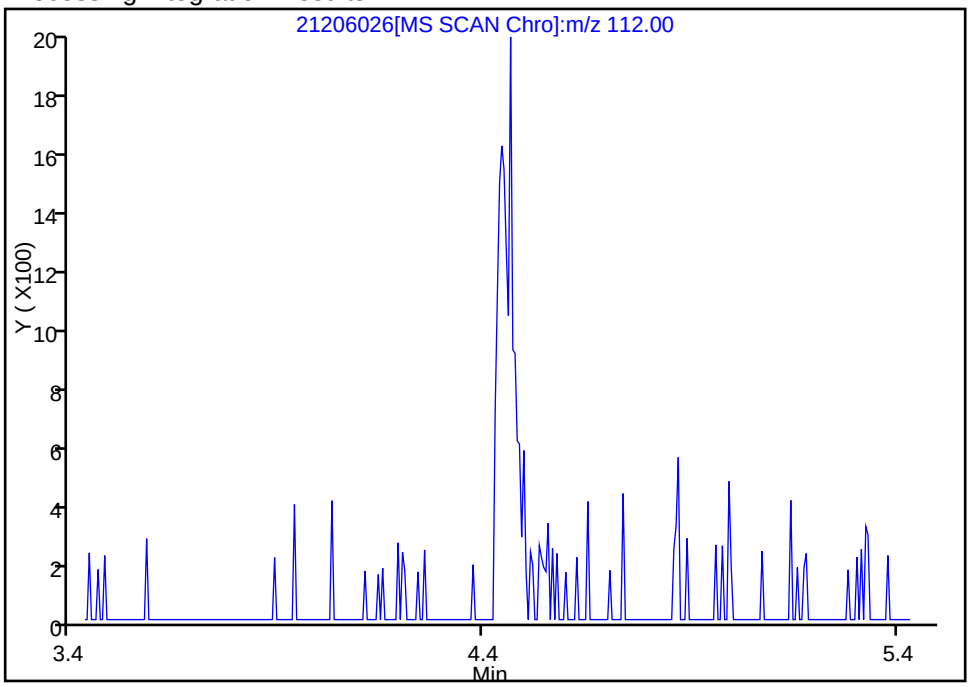
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206026.D		
Injection Date:	06-Dec-2012 18:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

$ 7 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.43

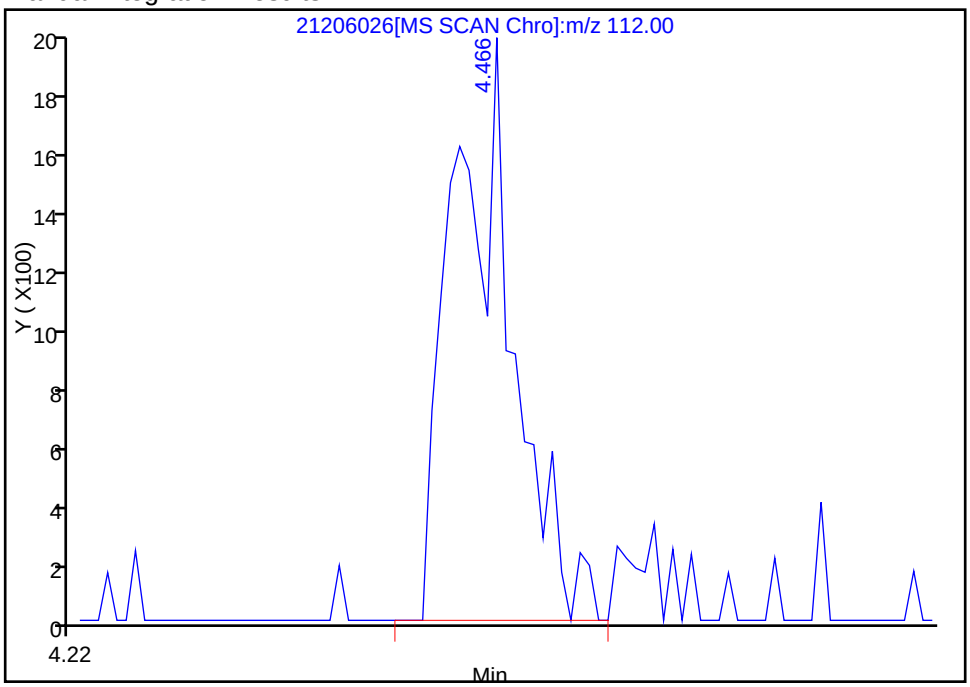
Processing Integration Results

Not Detected
Expected RT: 4.43



Manual Integration Results

RT: 4.47
Response: 4834
Amount: 0.086915



Reviewer: gruberj, 07-Dec-2012 12:45:45
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

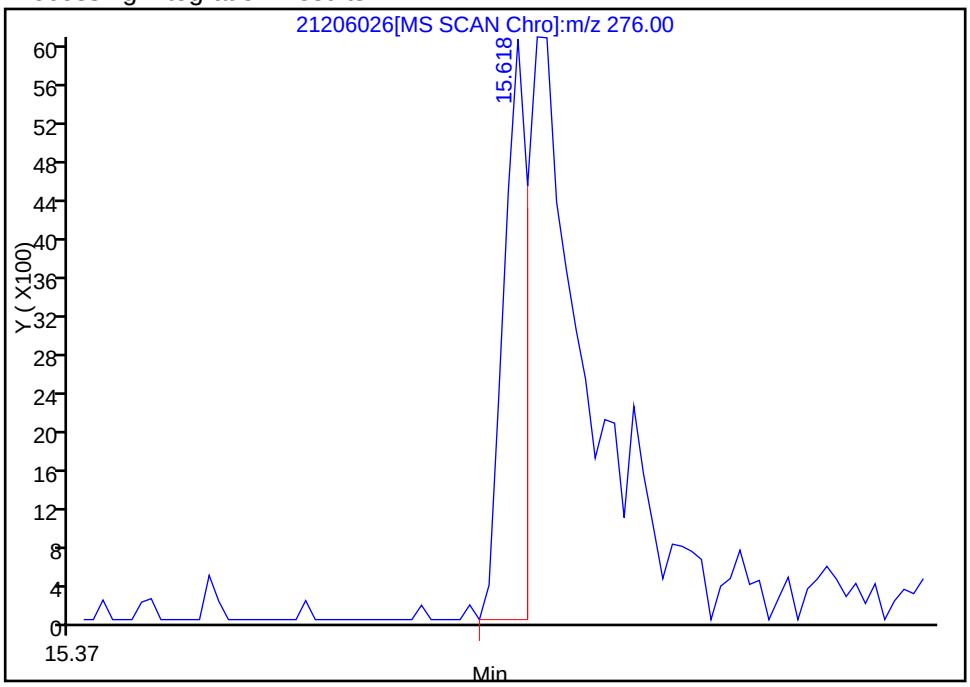
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206026.D		
Injection Date:	06-Dec-2012 18:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 15.63

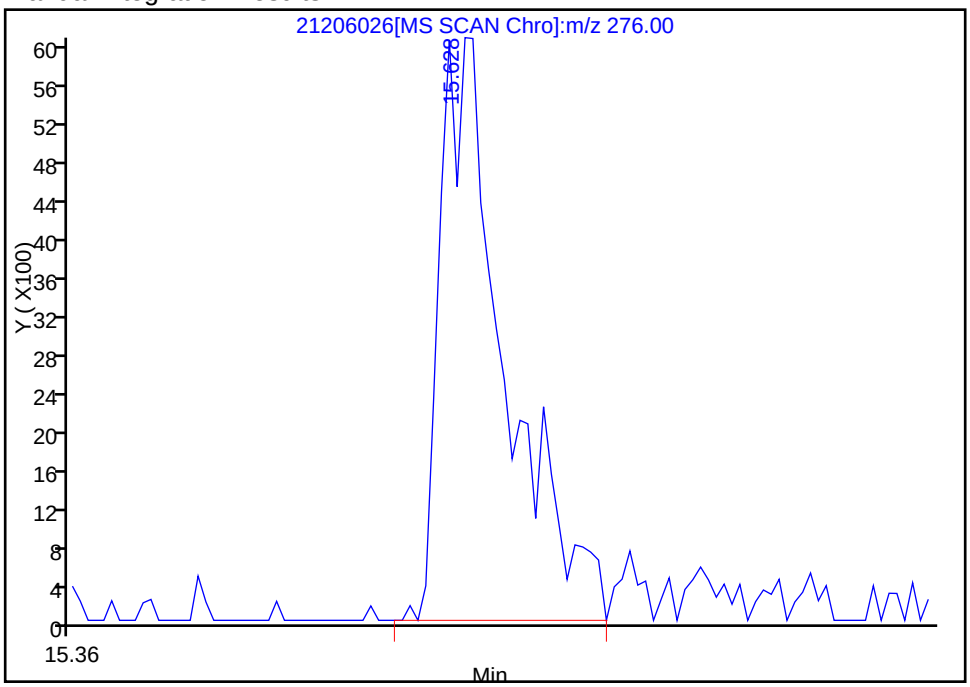
Processing Integration Results

RT: 15.62
Response: 5678
Amount: 0.107049



Manual Integration Results

RT: 15.63
Response: 18757
Amount: 0.166921



Reviewer: gruberj, 07-Dec-2012 12:45:45
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

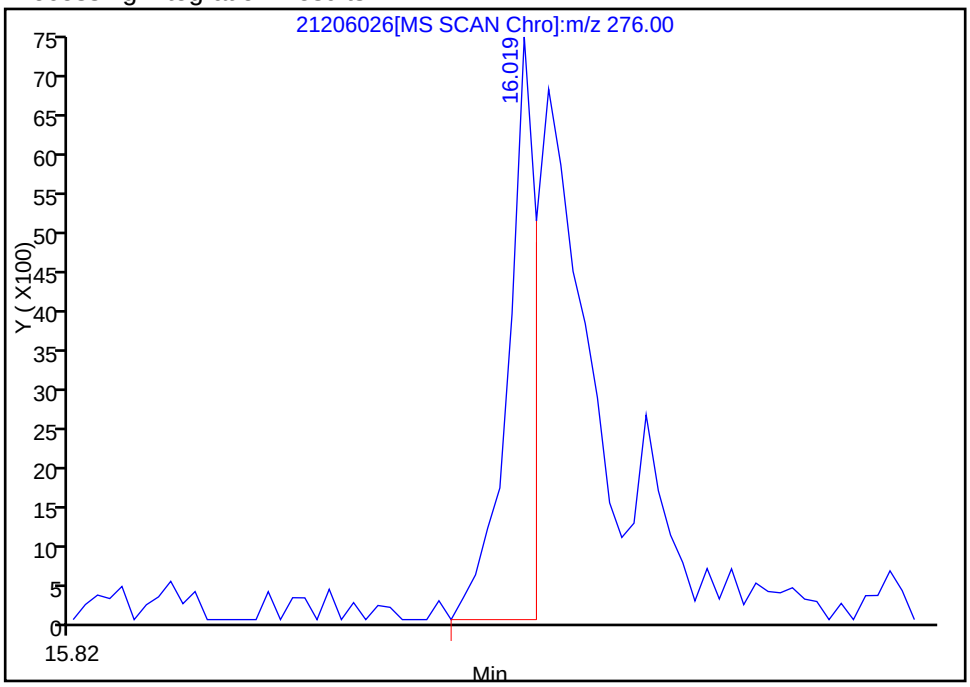
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206026.D		
Injection Date:	06-Dec-2012 18:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.03

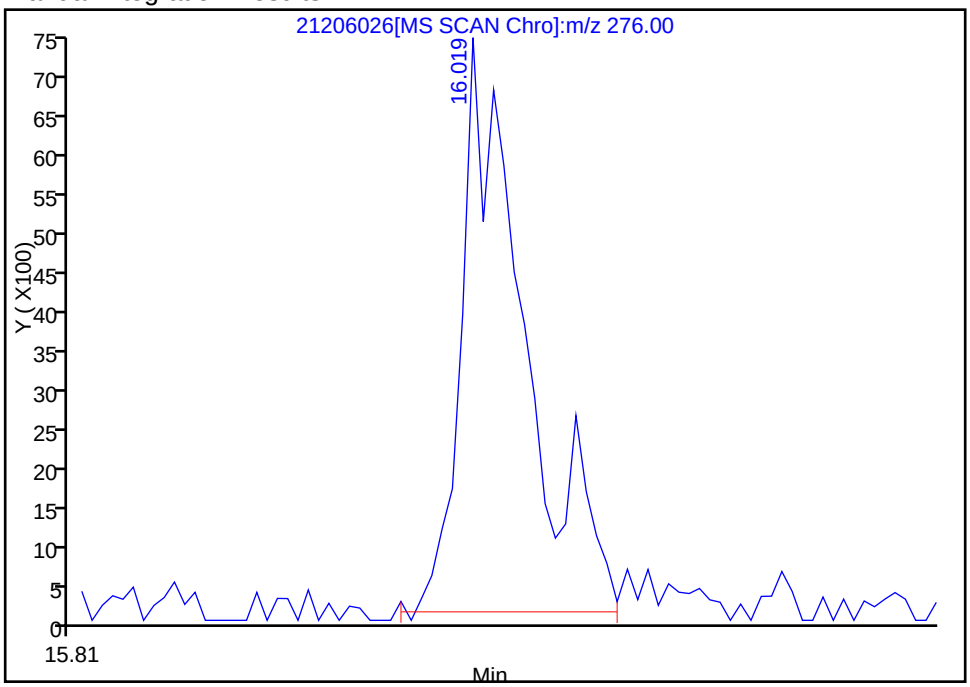
Processing Integration Results

RT: 16.02
Response: 6515
Amount: 0.036962



Manual Integration Results

RT: 16.02
Response: 16732
Amount: 0.094926



Reviewer: gruberj, 07-Dec-2012 12:45:45
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/06/2012 19:03

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21206027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4642			0.373	0.500		
N-Nitrosodimethylamine	Qua				0.794	0.500		
Pyridine	Ave	1.330			0.191	0.500		
Benzaldehyde	Ave	1.043			0.465	0.500		
Phenol	Ave	1.674			0.442	0.500		
Aniline	Ave	2.093			0.443	0.500		
Bis(2-chloroethyl)ether	Ave	1.293			0.472	0.500		
2-Chlorophenol	Ave	1.352			0.467	0.500		
1,3-Dichlorobenzene	Ave	1.457			0.486	0.500		
1,4-Dichlorobenzene	Ave	1.448			0.488	0.500		
Benzyl alcohol	Ave	0.8332			0.422	0.500		
1,2-Dichlorobenzene	Ave	1.380			0.487	0.500		
2-Methylphenol	Ave	1.220			0.475	0.500		
3 & 4 Methylphenol	Ave	1.279			0.447	0.500		
N-Nitrosodi-n-propylamine	Ave	0.9059			0.492	0.500		
Acetophenone	Ave	1.808			0.486	0.500		
Hexachloroethane	Ave	0.5884			0.468	0.500		
Nitrobenzene	Ave	0.3635			0.464	0.500		
Isophorone	Ave	0.6380			0.466	0.500		
2-Nitrophenol	Ave	0.1710			0.369	0.500		
2,4-Dimethylphenol	Ave	0.3362			0.488	0.500		
Benzoic acid	Qua				1.64	1.00		
Bis(2-chloroethoxy)methane	Ave	0.4052			0.473	0.500		
2,4-Dichlorophenol	Ave	0.2657			0.483	0.500		
1,2,4-Trichlorobenzene	Ave	0.3169			0.510	0.500		
Naphthalene	Ave	0.999			0.498	0.500		
Hexachlorobutadiene	Ave	0.1716			0.522	0.500		
Caprolactam	Qua				0.729	0.500		
4-Chloro-3-methylphenol	Ave	0.2854			0.496	0.500		
2-Methylnaphthalene	Ave	0.6393			0.478	0.500		
Hexachlorocyclopentadiene	Ave	0.3241			0.194	0.500		
2,4,6-Trichlorophenol	Ave	0.3372			0.460	0.500		
2,4,5-Trichlorophenol	Ave	0.3632			0.434	0.500		
1,1'-Biphenyl	Ave	1.413			0.472	0.500		
2-Chloronaphthalene	Ave	1.105			0.490	0.500		
2-Nitroaniline	Ave	0.3242			0.371	0.500		
Dimethyl phthalate	Ave	1.175			0.481	0.500		
2,6-Dinitrotoluene	Qua				0.733	0.500		
Acenaphthylene	Ave	1.825			0.480	0.500		
3-Nitroaniline	Ave	0.2941			0.327	0.500		
Acenaphthene	Ave	1.097			0.504	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/06/2012 19:03

Instrument ID: A4HP7 Calib Start Date: 11/07/2012 11:44

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/07/2012 14:51

Lab File ID: 21206027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				2.37	1.00		
4-Nitrophenol	Ave	0.1694			0.266	0.500		
2,4-Dinitrotoluene	Qua				0.723	0.500		
Dibenzofuran	Ave	1.629			0.485	0.500		
Diethyl phthalate	Ave	1.228			0.466	0.500		
4-Chlorophenyl phenyl ether	Ave	0.6187			0.527	0.500		
Fluorene	Ave	1.308			0.473	0.500		
4-Nitroaniline	Qua				0.694	0.500		
4,6-Dinitro-2-methylphenol	Qua				0.833	0.500		
N-Nitrosodiphenylamine	Ave	0.5517			0.436	0.500		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			0.416	0.500		
4-Bromophenyl phenyl ether	Ave	0.2040			0.507	0.500		
Hexachlorobenzene	Ave	0.2101			0.541	0.500		
Atrazine	Ave	0.1501			0.432	0.500		
Pentachlorophenol	Qua				0.789	1.00		
Phenanthrene	Ave	1.093			0.483	0.500		
Anthracene	Ave	1.086			0.448	0.500		
Carbazole	Ave	1.055			0.438	0.500		
Di-n-butyl phthalate	Ave	1.185			0.434	0.500		
Fluoranthene	Ave	1.207			0.444	0.500		
Benzidine	Qua				0.573	0.500		
Pyrene	Ave	1.276			0.448	0.500		
Butyl benzyl phthalate	Qua				0.490	0.500		
3,3'-Dichlorobenzidine	Qua				0.508	0.500		
Bis(2-ethylhexyl) phthalate	Qua				0.565	0.500		
Benzo[a]anthracene	Ave	1.116			0.510	0.500		
Chrysene	Ave	1.064			0.450	0.500		
Di-n-octyl phthalate	Qua				0.568	0.500		
Benzo[b]fluoranthene	Ave	1.276			0.427	0.500		
Benzo[k]fluoranthene	Ave	1.387			0.448	0.500		
Benzo[a]pyrene	Qua				0.507	0.500		
Indeno[1,2,3-cd]pyrene	Qua				0.433	0.500		
Dibenz(a,h)anthracene	Qua				0.501	0.500		
Benzo[g,h,i]perylene	Ave	1.145			0.430	0.500		
2-Fluorophenol (Surr)	Ave	1.236			0.461	0.500	92	35-105
Phenol-d5 (Surr)	Ave	1.570			0.446	0.500	89	40-100
Nitrobenzene-d5 (Surr)	Ave	0.3517			0.474	0.500	95	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			0.498	0.500	100	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			0.390	0.500	78	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			0.484	0.500	97	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206027.D		
Lims ID:	mdll2	Client ID:	
Inject. Date:	06-Dec-2012 19:03:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0015580-027		
Misc. Info.:	mdll2		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	67544	Lims Sample ID:	27
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m		
Last Update:	07-Dec-2012 13:01:26	Calib Date:	14-Nov-2012 18:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK034		
First Level Reviewer: gruberj		Date:	07-Dec-2012 12:52:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.734	5.733	0.001	94	184909	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	689022	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	396010	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	98	712012	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	98	707150	4.00	
* 6 Perylene-d12	264	14.035	14.035	0.0	93	589344	4.00	
$ 7 2-Fluorophenol	112	4.439	4.434	0.005	74	26328	0.4606	
$ 8 Phenol-d5	99	5.381	5.380	0.001	89	32372	0.4461	
$ 9 Nitrobenzene-d5	82	6.226	6.226	0.0	89	28717	0.4740	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	98	63995	0.4981	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	76	6393	0.3902	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	97	63347	0.4837	
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
21 Octachlorostyrene	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
24 1,4-Dioxane	88	2.059	2.048	0.011	75	7995	0.3726	
25 N-Nitrosodimethylamine	74	2.482	2.471	0.011	62	16337	0.7942	M
26 Pyridine	79	2.551	2.514	0.037	83	11723	0.1906	
27 Ethyl methacrylate	69	3.252	3.252	0.0	75	16768	0.3282	
232 1-Methyl-2-pyrrilidinone	99		3.271					14
18 Dimethylformamide	73		3.545					9
28 3-Chloropropionitrile	54	3.722	3.706	0.016	76	12041	0.3531	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.145	4.118	0.027	73	14110	0.2194	
33 Acrylamide	71	4.375	4.349	0.026	1	95	0	
34 Methyl methanesulfonate	80		4.451					
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44		4.536					1
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.332	5.327	0.005	90	22405	0.4648	
37 2-Methylcyclohexanone	68	5.375	5.376	-0.001	14	633	0	
41 Phenol	94	5.391	5.391	0.0	96	34189	0.4419	
38 3-Methylcyclohexanone	69	5.418	5.414	0.004	1	127	0	
43 Aniline	93	5.429	5.423	0.006	92	42837	0.4427	
39 4-Methylcyclohexanone	55	5.530	5.462	0.068	16	1687	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.488	5.487	0.001	94	28206	0.4720	
46 2-Chlorophenol	128	5.536	5.536	0.0	89	29184	0.4669	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.680	5.680	0.0	90	32742	0.4860	
48 1,4-Dichlorobenzene	146	5.744	5.750	-0.006	78	32687	0.4884	
49 Benzyl alcohol	108	5.851	5.851	0.0	87	16263	0.4222	
50 1,2-Dichlorobenzene	146	5.883	5.883	0.0	85	31046	0.4865	
51 2-Methylphenol	108	5.947	5.947	0.0	92	26769	0.4747	
52 2,2'-oxybis[1-chloropropane]	45	5.974	5.974	0.0	89	39329	0.4484	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.081	6.081	0.0	91	26443	0.4473	
56 N-Nitrosodi-n-propylamine	70	6.087	6.086	0.001	89	20623	0.4925	
57 Acetophenone	105	6.092	6.092	0.0	89	40645	0.4863	
60 Hexachloroethane	117	6.188	6.188	0.0	88	12717	0.4675	
55 N-Nitrosopyrrolidine	100		6.216					
61 Nitrobenzene	77	6.242	6.242	0.0	83	29055	0.4640	
58 N-Nitrosomorpholine	56		6.248					
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.450	6.450	0.0	99	51217	0.4660	
65 2-Nitrophenol	139	6.520	6.520	0.0	87	10870	0.3690	
62 N-Nitrosopiperidine	114		6.521					
66 1,3,5-Trichlorobenzene	180	6.530	6.530	0.0	96	28231	0.5167	
64 2,4-Dimethylphenol	107	6.547	6.546	0.001	86	28261	0.4879	
69 Benzoic acid	122	6.573	6.616	-0.043	79	8275	1.64	
68 Bis(2-chloroethoxy)methane	93	6.632	6.632	0.0	97	32999	0.4728	
71 2,4-Dichlorophenol	162	6.728	6.728	0.0	92	22103	0.4829	
67 o,o',o''-Triethylphosphorothioat	198		6.740					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.803	6.803	0.0	92	27821	0.5097	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.873	6.873	0.0	94	85741	0.4980	
74 4-Chloroaniline	127	6.916	6.916	0.0	96	31863	0.4342	
77 Hexachlorobutadiene	225	6.974	6.974	0.0	87	15442	0.5223	
78 1,2,3-Trichlorobenzene	180	6.996	6.996	0.0	88	28357	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					
83 Caprolactam	113	7.188	7.199	-0.011	65	5584	0.7285	
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.311	7.311	0.0	92	24369	0.4957	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.466	7.466	0.0	88	52609	0.4777	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.547	7.552	-0.005	92	51393	0.4904	
87 1,2,3,5-Tetrachlorobenzene	216	7.595	7.595	0.0	93	27079	0.5031	
88 Hexachlorocyclopentadiene	237	7.595	7.595	0.0	46	6235	0.1943	
90 2,4,6-Trichlorophenol	196	7.696	7.696	0.0	83	15341	0.4596	
91 2,4,5-Trichlorophenol	196	7.729	7.729	0.001	91	15618	0.4343	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
94 2,4-Toluene diamine	121	7.841	7.841	0.0	89	16101	0.4590	
96 1,2,3,4 -Tetrachlorobenzene	216	7.846	7.846	0.0	93	28738	0	
95 1,1'-Biphenyl	154	7.857	7.857	0.0	94	65950	0.4715	
98 2-Chloronaphthalene	162	7.878	7.878	0.0	94	53584	0.4900	
100 2-Nitroaniline	65	7.959	7.959	0.001	70	11905	0.3709	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163	8.098	8.098	0.0	97	55934	0.4809	
105 2,6-Dinitrotoluene	165	8.156	8.156	0.0	87	9168	0.7331	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.205	8.205	0.0	88	6042	0.4682	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.231	8.231	0.0	83	86649	0.4797	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.301	8.301	0.0	88	9531	0.3274	
110 Acenaphthene	153	8.376	8.376	0.0	85	54726	0.5038	
109 2,4-Dinitrophenol	184	8.386	8.386	0.0	1	1764	2.37	
111 4-Nitrophenol	109	8.424	8.424	0.0	80	4454	0.2656	
112 2,4-Dinitrotoluene	165	8.493	8.493	0.0	84	13937	0.7228	
114 Dibenzofuran	168	8.520	8.520	0.0	84	78187	0.4849	
115 2,3,5,6-Tetrachlorophenol	232	8.584	8.579	0.005	69	12568	0.4240	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.686	8.686	0.0	96	56714	0.4664	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
121 4-Chlorophenyl phenyl ether	204	8.798	8.798	0.0	89	32279	0.5270	
118 2-Naphthylamine	143		8.799					9
124 Fluorene	166	8.809	8.809	0.0	87	61175	0.4725	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.814	8.814	0.0	68	13617	0.6939	
126 4,6-Dinitro-2-methylphenol	198	8.841	8.836	0.005	1	4205	0.8328	
130 N-Nitrosodiphenylamine	169	8.895	8.895	0.001	0	42793	0.4358	
120 Thionazin	97		8.901					
129 1,2-Diphenylhydrazine	77	8.932	8.932	0.0	0	57626	0.4159	
131 Azobenzene	77	8.932	8.932	0.0	97	57626	0.4159	
122 N-Nitro-o-toluidine	152		8.954					
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248	9.210	9.210	0.0	63	18424	0.5073	
133 1,3,5-Trinitrobenzene	213		9.238					9
139 Hexachlorobenzene	284	9.269	9.274	-0.005	84	20217	0.5406	
228 Diallate Peak 1	86		9.275					14
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					
140 Atrazine	200	9.328	9.328	0.0	90	11533	0.4316	
230 Diallate Peak 2	86		9.356					
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.435	9.435	0.0	80	10441	0.7894	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.622	9.622	0.0	94	93890	0.4827	
147 Anthracene	178	9.665	9.665	0.0	97	86540	0.4478	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.793	9.793	0.0	84	82224	0.4380	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	100	91454	0.4337	
152 Diphenylsulfone	125		10.169					
153 Ethyl Parathion	97		10.366					
154 4-Nitroquinoline-1-oxide	190		10.420					
155 Methapyrilene	58		10.463					
157 Fluoranthene	202	10.622	10.622	0.0	96	95378	0.4440	
156 Isodrin	66		10.655					
158 Benzidine	184	10.718	10.718	0.0	92	20768	0.5734	
160 Pyrene	202	10.820	10.820	0.0	98	101080	0.4480	
164 4,4'-DDE	246		10.879					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					149
163 4,4'-DDD	235		11.226					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.387	11.387	0.0	89	33230	0.4896	
168 4,4'-DDT	235		11.499					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	11.959	11.959	0.0	51	6556	0.8509	
172 4,4'-Methylene bis(2-chloroanili	231	12.002	11.997	0.005	62	10519	0.4235	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	11.997	11.997	0.0	60	24654	0.5079	
171 Bis(2-ethylhexyl) phthalate	149	12.024	12.018	0.006	97	48523	0.5651	
175 Benzo[a]anthracene	228	12.040	12.040	0.0	93	100722	0.5104	
176 Chrysene	228	12.088	12.088	0.0	86	84727	0.4505	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.879	12.879	0.0	90	50431	0.5677	
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	94	80283	0.4270	
181 Benzo[k]fluoranthene	252	13.510	13.510	0.0	96	91622	0.4485	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.949	13.954	-0.005	66	75005	0.5075	
183 3-Methylcholanthrene	268		14.774					
184 Dibenz[a,j]acridine	279		15.501					
185 Dibenz[a,h]acridine	279		15.576					9
186 Indeno[1,2,3-cd]pyrene	276	15.629	15.628	0.001	98	73686	0.4332	
187 Dibenz(a,h)anthracene	278	15.655	15.650	0.005	68	60736	0.5011	
188 Benzo[g,h,i]perylene	276	16.030	16.030	0.0	92	72525	0.4298	
S 189 Methyl Phenols,Total	100				0		0.4747	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142		3.050					1
T 194 Octadecane (TIC)	254	6.252	6.300	-0.048	1	133	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

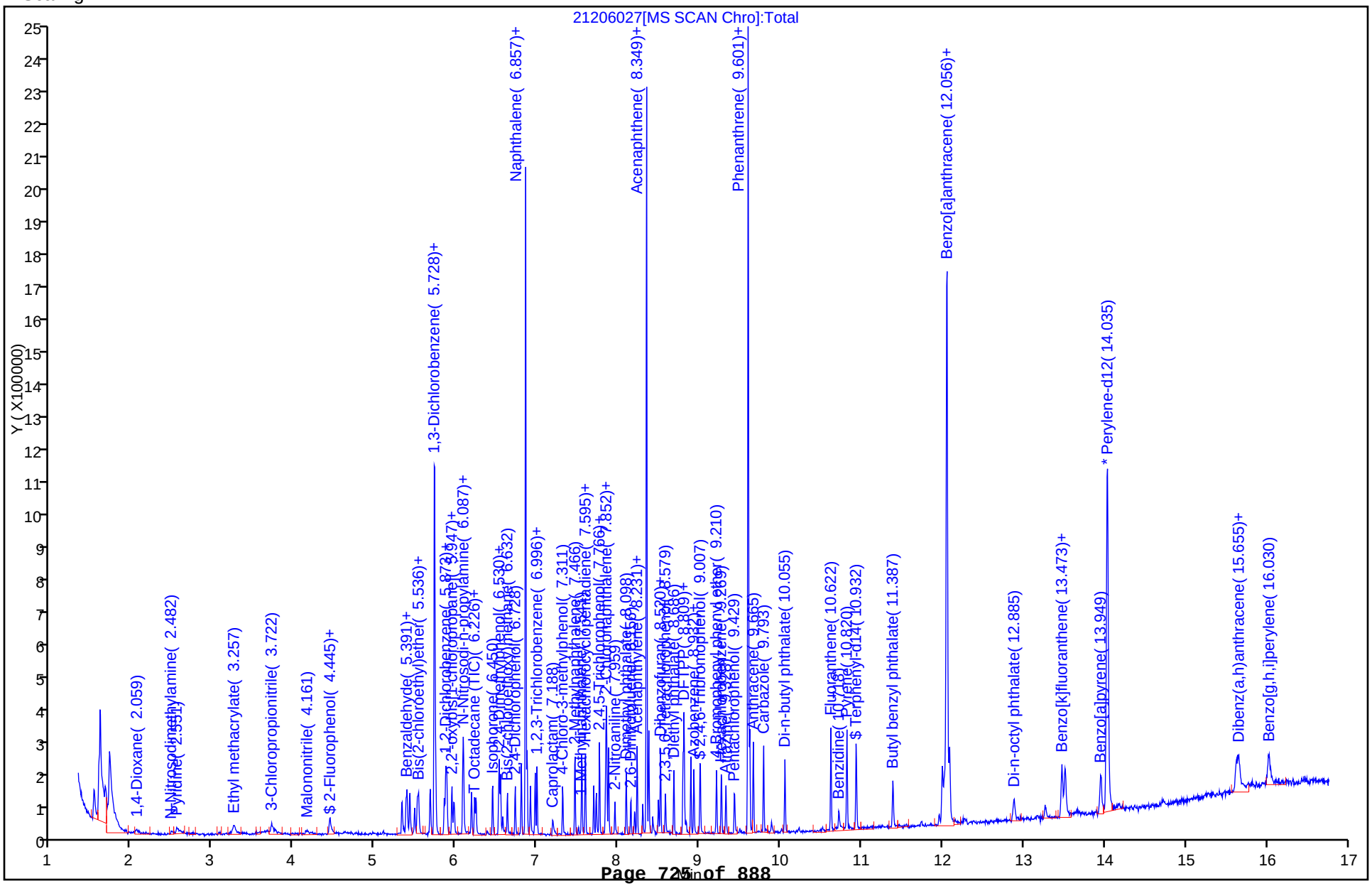
Review Flags
M - Manually Integrated

Report Date: 07-Dec-2012 14:14:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206027.D		
Injection Date:	06-Dec-2012 19:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	27
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

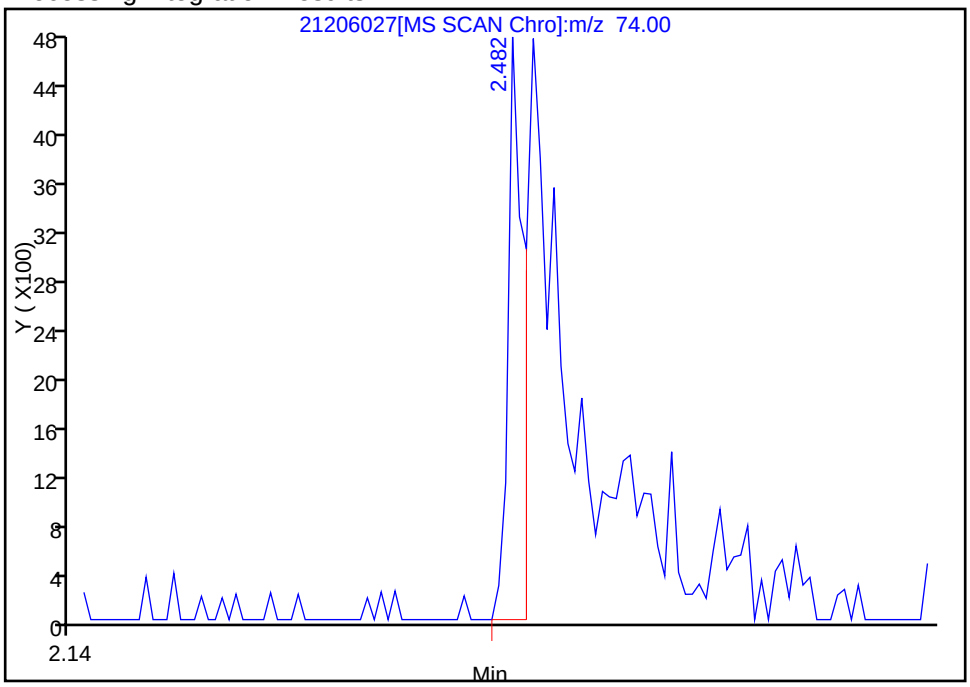
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206027.D		
Injection Date:	06-Dec-2012 19:03:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	27
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 2.47

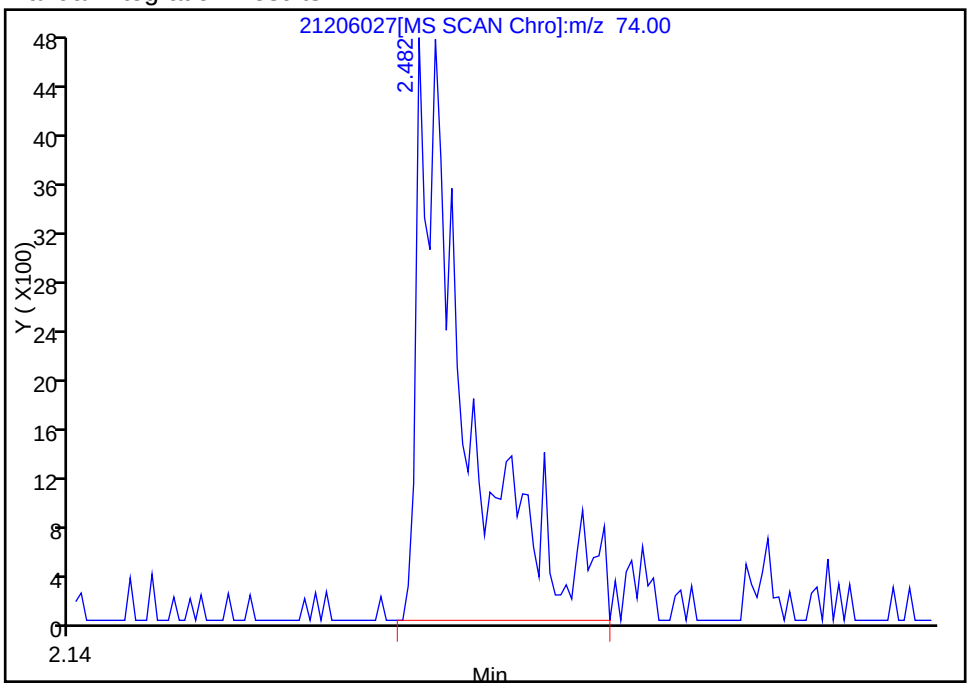
Processing Integration Results

RT: 2.48
Response: 3987
Amount: 0.472215



Manual Integration Results

RT: 2.48
Response: 16337
Amount: 0.794180



Reviewer: gruberj, 07-Dec-2012 12:52:56
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	07-Nov-2012 11:21:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0014744-001		
Misc. Info.:	dftpp =DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	64102	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\8270_hp7.m		
Last Update:	08-Nov-2012 13:38:02	Calib Date:	07-Nov-2012 14:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK004		
First Level Reviewer: gruberj		Date:	07-Nov-2012 14:45:23

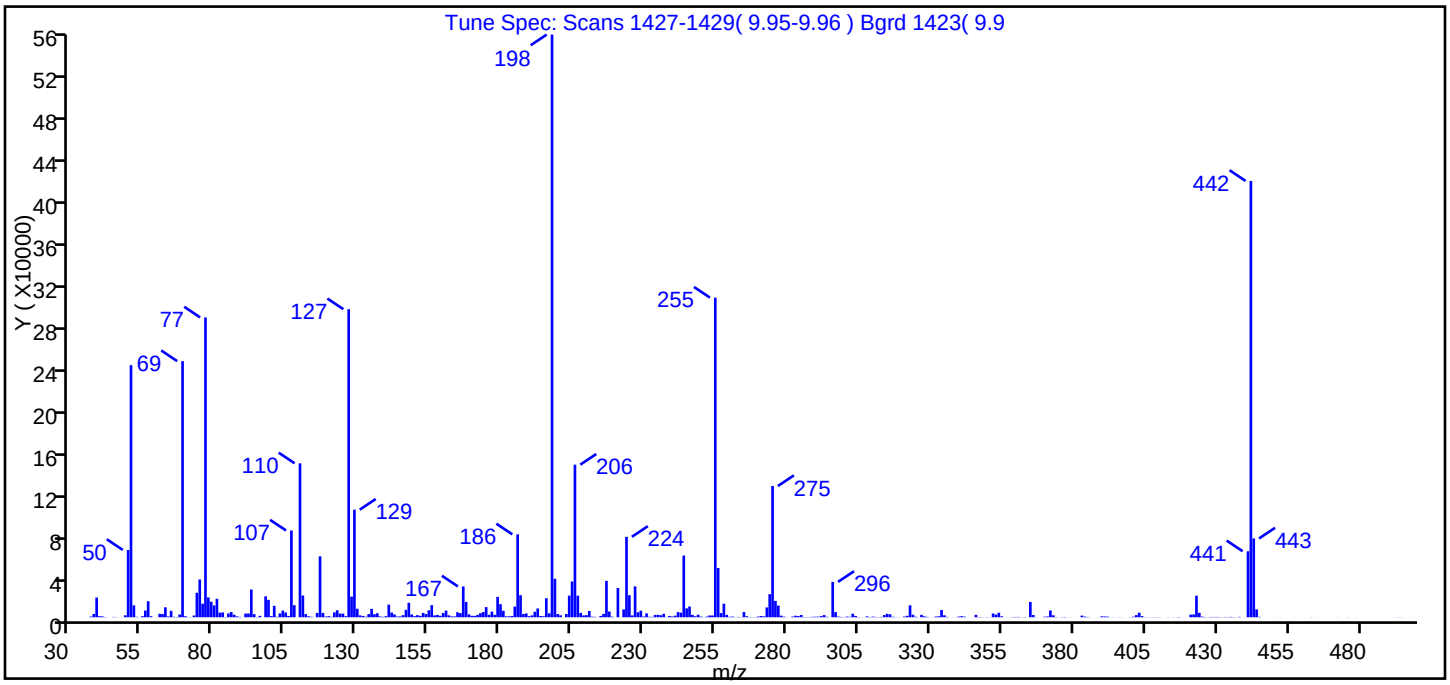
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.594	9.594	0.0	86	694720	0	
148 DFTPP								
158 Benzidine	184	10.894	10.894	0.0	99	3841446	0	
164 4,4'-DDE	246	11.060	11.060	0.0	28	2345	0	
163 4,4'-DDD	235	11.434	11.434	0.0	56	18208	0	
168 4,4'-DDT	235	11.718	11.718	0.0	98	1755901	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Injection Date:	07-Nov-2012 11:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	43.27
68	Less than 2.00% of mass 69	0.48 (1.09)
69	Present	43.95
70	Less than 2.00% of mass 69	0.18 (0.41)
127	25.00 - 75.00% of mass 198	52.87
197	Less than 1.00% of mass 198	0.67
199	5.00 - 9.00% of mass 198	6.61
275	10.00 - 30.00% of mass 198	22.52
365	Greater than 0.75% of mass 198	2.63
441	Present, but less than mass 443%	11.33 (83.75)
442	40.00 - 110.00% of mass 198	74.89
443	15.00 - 24.00% of mass 442	13.52 (18.06)

Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Nov-2012 11:21:30
Spectrum: Tune Spec: Scans 1427-1429(9.95-9.96) Bgrd 1423(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 386

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	646	141.00	12119	241.00	1517	342.00	603
38.00	3153	142.00	4521	242.00	4915	345.00	53
39.00	18848	143.00	2742	243.00	4403	346.00	2341
40.00	1060	144.00	677	244.00	59144	347.00	250
41.00	839	145.00	848	245.00	8520	348.00	173
42.00	234	146.00	1980	246.00	10290	349.00	54
45.00	327	147.00	7085	247.00	2308	350.00	179
46.00	141	148.00	13885	248.00	986	351.00	110
48.00	79	149.00	2706	249.00	2431	352.00	3599
49.00	1890	150.00	1077	250.00	652	353.00	2571
50.00	64504	151.00	2037	251.00	113	354.00	4303
51.00	241600	152.00	1396	252.00	603	355.00	929
52.00	11345	153.00	4144	253.00	1699	356.00	57
53.00	416	154.00	3040	254.00	1711	357.00	68
54.00	37	155.00	6612	255.00	306304	358.00	93
55.00	1054	156.00	11593	256.00	47176	359.00	277
56.00	6421	157.00	1760	257.00	4007	360.00	297
57.00	15375	158.00	2242	258.00	12972	361.00	286
58.00	980	159.00	1417	259.00	2290	362.00	50
60.00	52	160.00	4090	260.00	461	363.00	261
61.00	3310	161.00	6351	261.00	690	365.00	14691
62.00	3104	162.00	1807	262.00	132	366.00	2225
63.00	9536	163.00	835	263.00	322	367.00	132
64.00	774	164.00	807	264.00	167	370.00	532
65.00	6172	165.00	4775	265.00	4992	371.00	711
66.00	431	166.00	3926	266.00	962	372.00	6493
67.00	253	167.00	29536	267.00	257	373.00	1889
68.00	2664	168.00	14685	268.00	125	374.00	221
69.00	245440	169.00	2768	269.00	217	376.00	149
70.00	1000	170.00	1399	270.00	695	377.00	296
71.00	154	171.00	1305	271.00	1184	378.00	50
72.00	179	172.00	2266	272.00	900	379.00	72
73.00	1688	173.00	3899	273.00	9418	383.00	1586

Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Nov-2012 11:21:30
Spectrum: Tune Spec: Scans 1427-1429(9.95-9.96) Bgrd 1423(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 386

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	23496	174.00	4990	274.00	22104	384.00	672
75.00	36176	175.00	9724	275.00	125760	385.00	337
76.00	12994	176.00	2392	276.00	15697	386.00	53
77.00	287360	177.00	5387	277.00	11169	389.00	107
78.00	19000	178.00	2319	278.00	1572	390.00	899
79.00	14891	179.00	19536	279.00	553	391.00	743
80.00	11346	180.00	12506	280.00	114	392.00	608
81.00	17672	181.00	6214	282.00	670	393.00	82
82.00	4385	182.00	887	283.00	1481	394.00	102
83.00	4592	183.00	922	284.00	1157	396.00	150
84.00	250	184.00	1273	285.00	2210	397.00	83
85.00	3624	185.00	10227	286.00	260	400.00	147
86.00	5017	186.00	79456	287.00	187	401.00	562
87.00	2452	187.00	21160	288.00	285	402.00	2068
88.00	853	188.00	3053	289.00	436	403.00	4380
89.00	371	189.00	3665	290.00	518	404.00	1130
91.00	3509	190.00	1062	291.00	594	405.00	183
92.00	3635	191.00	1778	292.00	1127	406.00	77
93.00	26568	192.00	5246	293.00	2093	407.00	109
94.00	2971	193.00	8409	294.00	451	408.00	157
95.00	242	194.00	1180	296.00	33912	409.00	149
96.00	1359	195.00	966	297.00	4947	410.00	159
98.00	20032	196.00	18272	298.00	652	413.00	142
99.00	16656	197.00	3766	299.00	336	415.00	107
100.00	1091	198.00	558400	300.00	146	416.00	106
101.00	10950	199.00	36904	301.00	646	417.00	247
102.00	475	200.00	3145	302.00	437	419.00	59
103.00	3624	201.00	1860	303.00	3356	421.00	2549
104.00	6386	203.00	3123	304.00	1301	422.00	2685
105.00	4572	204.00	20736	305.00	226	423.00	20680
106.00	1285	205.00	34288	306.00	121	424.00	4235
107.00	83144	206.00	146240	307.00	53	425.00	638
108.00	11554	207.00	20680	308.00	885	426.00	213
110.00	147520	208.00	4188	309.00	250	427.00	114

Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Nov-2012 11:21:30
Spectrum: Tune Spec: Scans 1427-1429(9.95-9.96) Bgrd 1423(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 386

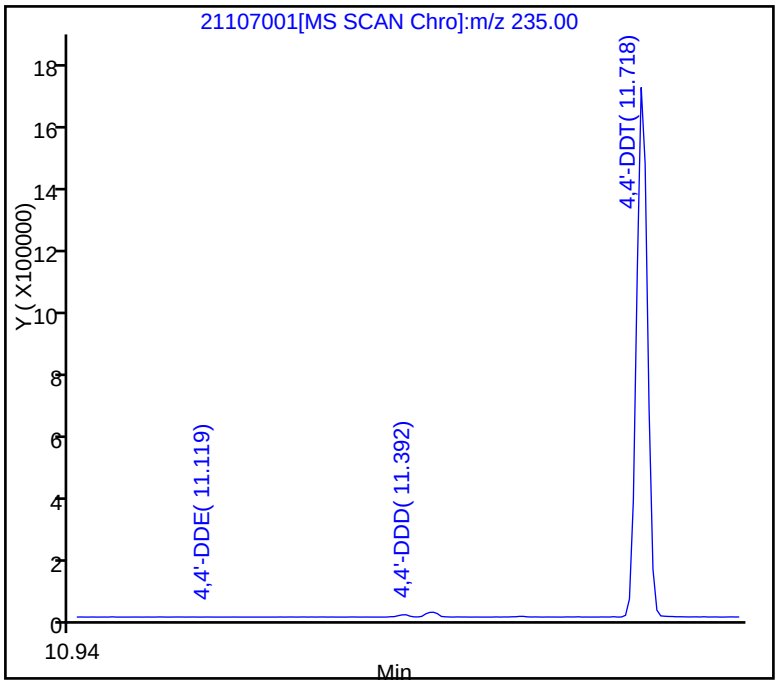
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	20840	209.00	1745	310.00	613	428.00	297
112.00	2996	210.00	2005	311.00	334	429.00	284
113.00	961	211.00	6005	312.00	223	430.00	332
114.00	461	212.00	579	313.00	384	431.00	256
115.00	3	213.00	392	314.00	2112	432.00	87
116.00	4165	214.00	54	315.00	3333	433.00	305
117.00	58376	215.00	1296	316.00	2863	434.00	247
118.00	4142	216.00	3236	317.00	474	435.00	381
119.00	676	217.00	34864	318.00	132	436.00	258
120.00	1056	218.00	5478	319.00	114	437.00	58
121.00	433	219.00	575	321.00	682	438.00	398
122.00	4676	221.00	27992	322.00	1435	440.00	57
123.00	6717	223.00	7491	323.00	11410	441.00	63248
124.00	3499	224.00	77056	324.00	2478	442.00	418176
125.00	3503	225.00	21104	325.00	504	443.00	75520
126.00	1021	226.00	1757	326.00	56	444.00	7513
127.00	295232	227.00	29568	327.00	2294	445.00	389
128.00	19784	228.00	4760	328.00	930	452.00	50
129.00	103112	229.00	6326	329.00	365	457.00	62
130.00	8123	230.00	675	330.00	66	463.00	136
131.00	1811	231.00	3717	331.00	82	465.00	84
132.00	1231	232.00	472	332.00	681	472.00	66
133.00	523	233.00	379	333.00	967	476.00	114
134.00	3022	234.00	2254	334.00	6990	479.00	50
135.00	8068	235.00	2314	335.00	1857	493.00	132
136.00	2922	236.00	1919	336.00	335	494.00	110
137.00	3861	237.00	3287	338.00	76	495.00	64
138.00	769	238.00	162	339.00	55	499.00	52
139.00	403	239.00	1249	340.00	639		
140.00	1061	240.00	742	341.00	1066		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Injection Date:	07-Nov-2012 11:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1755901
163 4,4'-DDD, Area = 18208
164 4,4'-DDE, Area = 2345

%Breakdown: 1.16%, Max Limit: 20.00%
Passed

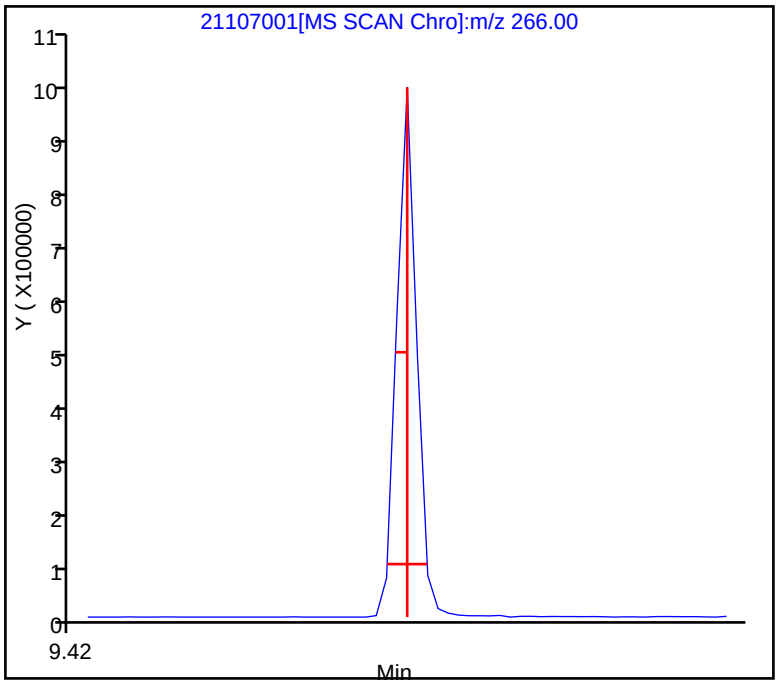
Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Injection Date:	07-Nov-2012 11:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.010 (min.)

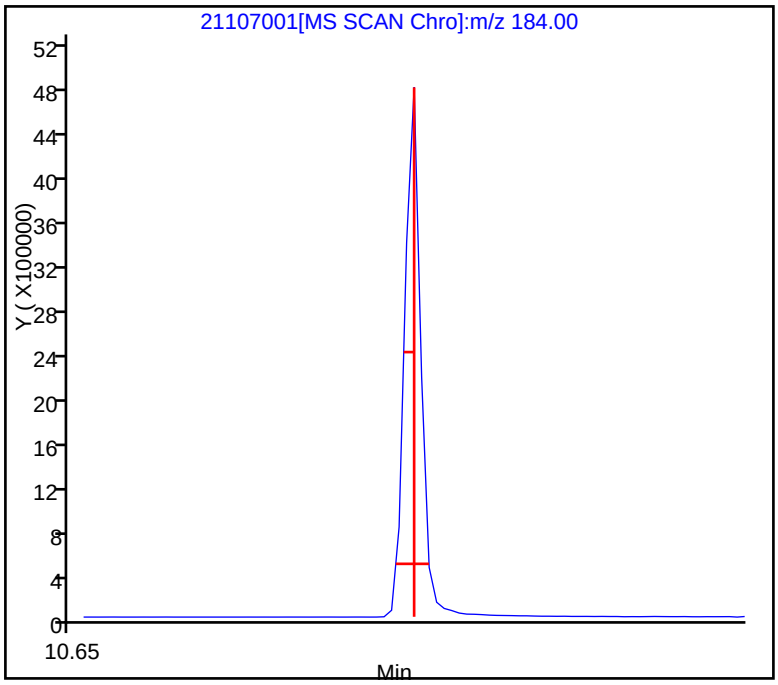
Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121107-14744.b\21107001.D		
Injection Date:	07-Nov-2012 11:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	64102	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	21-Nov-2012 11:18:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015157-001		
Misc. Info.:	dftpp =DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	65876	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\8270_hp7.m		
Last Update:	23-Nov-2012 10:11:29	Calib Date:	14-Nov-2012 18:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK037		
First Level Reviewer: gruberj		Date:	21-Nov-2012 12:35:54

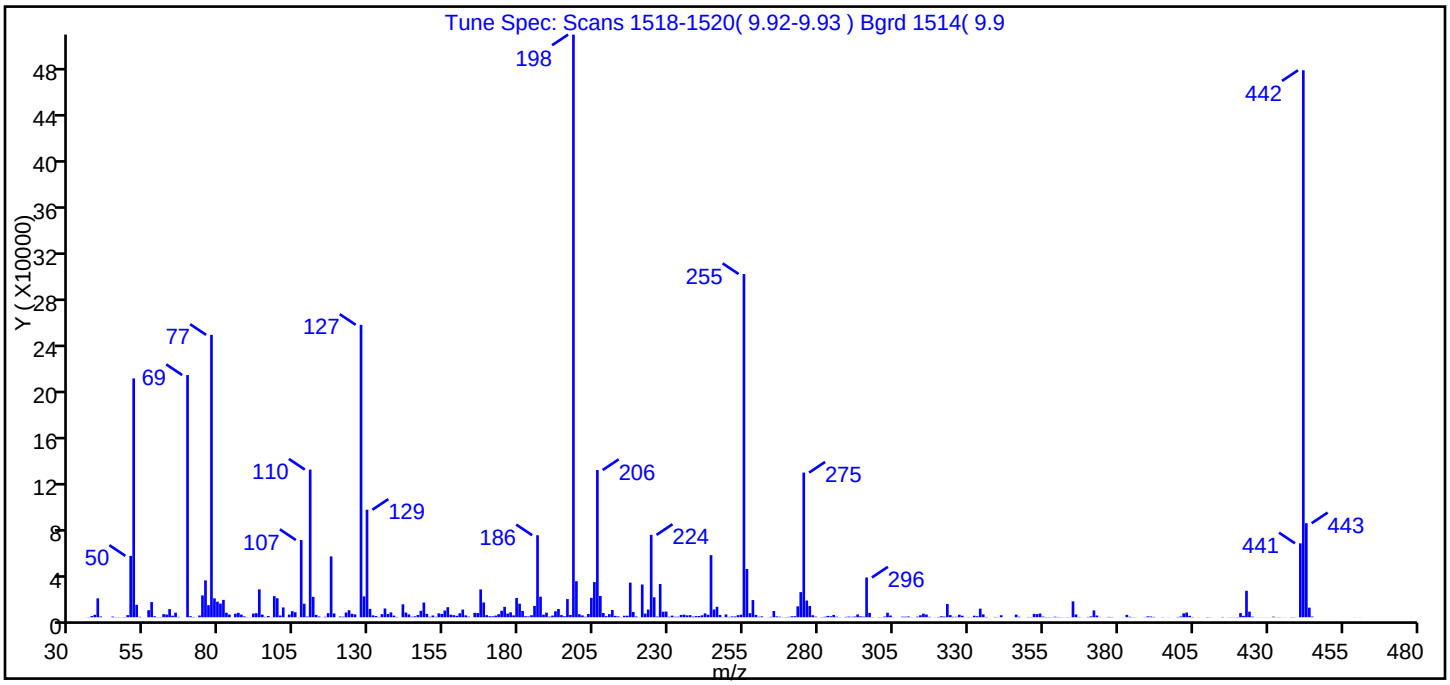
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.564	9.564	0.0	86	591173	0	
148 DFTPP								
158 Benzidine	184	10.859	10.859	0.0	100	3483239	0	
164 4,4'-DDE	246	11.019	11.019	0.0	30	2359	0	
163 4,4'-DDD	235	11.388	11.388	0.0	83	18153	0	
168 4,4'-DDT	235	11.672	11.672	0.0	98	1645645	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D		
Injection Date:	21-Nov-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	40.99
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	41.57
70	Less than 2.00% of mass 69	0.18 (0.44)
127	25.00 - 75.00% of mass 198	50.19
197	Less than 1.00% of mass 198	0.41
199	5.00 - 9.00% of mass 198	6.18
275	10.00 - 30.00% of mass 198	24.83
365	Greater than 0.75% of mass 198	2.73
441	Present, but less than mass 443%	12.69 (78.62)
442	40.00 - 110.00% of mass 198	93.88
443	15.00 - 24.00% of mass 442	16.14 (17.19)

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Nov-2012 11:18:30
Spectrum: Tune Spec: Scans 1518-1520(9.92-9.93) Bgrd 1514(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	68	137.00	4269	230.00	457	330.00	170
36.00	179	138.00	1429	231.00	1420	331.00	117
37.00	1052	139.00	275	232.00	434	332.00	1346
38.00	2117	140.00	4	233.00	452	333.00	899
39.00	16464	141.00	11296	234.00	2053	334.00	7487
40.00	688	142.00	4066	235.00	2254	335.00	2503
44.00	604	143.00	2463	236.00	1640	336.00	284
45.00	188	144.00	473	237.00	1855	339.00	276
46.00	154	145.00	811	238.00	587	340.00	85
47.00	128	146.00	1944	239.00	1028	341.00	1754
48.00	223	147.00	5651	240.00	1083	346.00	2333
49.00	1846	148.00	12816	241.00	1656	347.00	483
50.00	53520	149.00	2992	242.00	3398	348.00	59
51.00	208192	150.00	431	243.00	2175	350.00	257
52.00	10832	151.00	1531	244.00	54152	351.00	171
53.00	407	152.00	390	245.00	6753	352.00	2964
56.00	6148	153.00	3423	246.00	9093	353.00	2793
57.00	13232	154.00	2893	247.00	1974	354.00	3284
58.00	843	155.00	5839	248.00	174	355.00	593
59.00	215	156.00	8752	249.00	2497	356.00	197
60.00	248	157.00	2231	250.00	358	357.00	231
61.00	2727	158.00	1817	251.00	709	358.00	150
62.00	2350	159.00	1251	252.00	689	359.00	484
63.00	7116	160.00	3453	253.00	1784	360.00	248
64.00	1348	161.00	6706	254.00	2198	361.00	168
65.00	4007	162.00	1650	255.00	299200	362.00	75
66.00	351	163.00	552	256.00	42088	363.00	175
67.00	60	164.00	38	257.00	3547	364.00	106
69.00	211136	165.00	3895	258.00	14992	365.00	13864
70.00	920	166.00	3696	259.00	2026	366.00	2442
71.00	273	167.00	24256	260.00	438	367.00	282
72.00	22	168.00	12893	261.00	780	368.00	53
73.00	1505	169.00	1859	263.00	123	370.00	302

Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54
Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Nov-2012 11:18:30
Spectrum: Tune Spec: Scans 1518-1520(9.92-9.93) Bgrd 1514(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	19040	170.00	887	264.00	399	371.00	767
75.00	32160	171.00	863	265.00	5454	372.00	5966
76.00	10506	172.00	1438	266.00	734	373.00	1501
77.00	246144	173.00	2642	267.00	472	374.00	146
78.00	16464	174.00	5676	268.00	109	376.00	80
79.00	13583	175.00	9048	269.00	186	377.00	338
80.00	11907	176.00	3230	270.00	330	378.00	230
81.00	15139	177.00	4321	271.00	864	381.00	55
82.00	3930	178.00	1646	272.00	904	382.00	74
83.00	2327	179.00	16776	273.00	9499	383.00	2056
85.00	3100	180.00	11808	274.00	21904	384.00	454
86.00	3903	181.00	5519	275.00	126096	385.00	187
87.00	2327	182.00	918	276.00	14578	386.00	114
88.00	769	183.00	730	277.00	9817	389.00	151
89.00	244	184.00	1751	278.00	1745	390.00	815
90.00	112	185.00	9858	279.00	543	391.00	653
91.00	3216	186.00	71488	281.00	241	392.00	319
92.00	3519	187.00	17912	282.00	428	395.00	156
93.00	24296	188.00	2237	283.00	1201	397.00	88
94.00	2321	189.00	4013	284.00	855	400.00	269
95.00	355	190.00	586	285.00	2009	401.00	673
96.00	1138	191.00	1463	286.00	503	402.00	3400
97.00	72	192.00	5235	287.00	167	403.00	4102
98.00	18432	193.00	7192	289.00	321	404.00	1264
99.00	16552	194.00	1871	290.00	575	405.00	275
100.00	1502	195.00	897	291.00	409	407.00	74
101.00	8558	196.00	15848	292.00	618	410.00	232
102.00	74	197.00	2058	293.00	2441	411.00	60
103.00	2354	198.00	507904	294.00	808	415.00	262
104.00	5338	199.00	31392	295.00	573	417.00	139
105.00	4372	200.00	2611	296.00	34664	418.00	149
106.00	144	201.00	1589	297.00	3821	419.00	115
107.00	67328	202.00	450	298.00	170	420.00	198
108.00	11803	203.00	2859	300.00	188	421.00	3637

Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54
Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D\8270_hp7.rslt\spectra.d
Injection Date: 21-Nov-2012 11:18:30
Spectrum: Tune Spec: Scans 1518-1520(9.92-9.93) Bgrd 1514(9.9
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 370

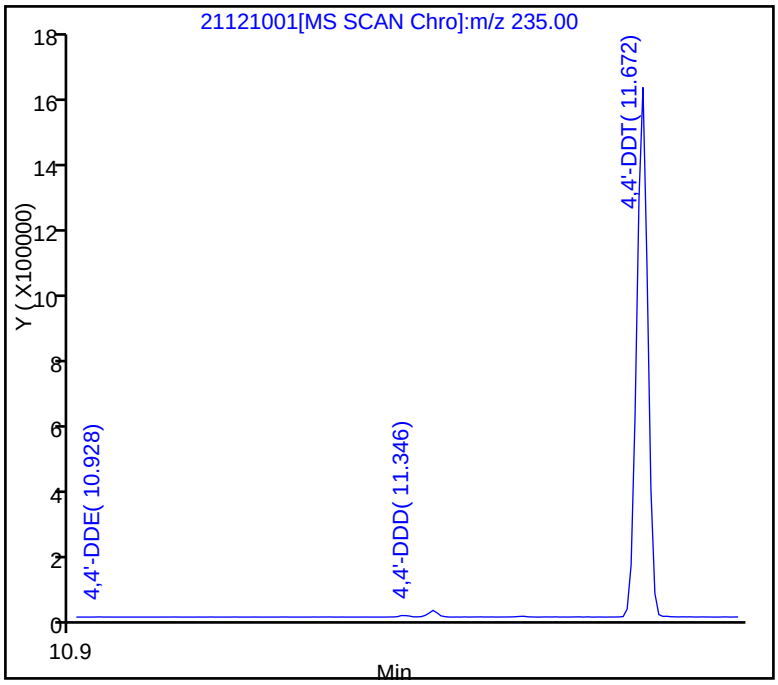
m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	607	204.00	16920	301.00	153	422.00	1243
110.00	128744	205.00	30664	302.00	629	423.00	23096
111.00	17768	206.00	128336	303.00	3948	424.00	4875
112.00	2087	207.00	18560	304.00	1473	425.00	536
113.00	675	208.00	3691	305.00	128	427.00	63
114.00	93	209.00	965	308.00	517	428.00	56
115.00	416	210.00	2718	309.00	500	429.00	60
116.00	3587	211.00	6313	310.00	695	430.00	83
117.00	53032	212.00	1237	311.00	164	431.00	70
118.00	3322	213.00	785	312.00	62	432.00	520
120.00	652	214.00	149	313.00	547	433.00	86
121.00	499	215.00	1305	314.00	1751	434.00	166
122.00	4109	216.00	1354	315.00	3111	435.00	70
123.00	6122	217.00	30160	316.00	2390	436.00	76
124.00	3021	218.00	4620	317.00	383	438.00	198
125.00	2506	219.00	678	319.00	99	439.00	182
127.00	254912	220.00	94	320.00	301	441.00	64440
128.00	18208	221.00	28576	321.00	883	442.00	476800
129.00	93704	222.00	3201	322.00	598	443.00	81968
130.00	7324	223.00	6738	323.00	11589	444.00	8347
131.00	1642	224.00	71816	324.00	1846	445.00	596
132.00	1124	225.00	17400	325.00	384	459.00	57
133.00	300	226.00	622	326.00	424	461.00	56
134.00	2709	227.00	28960	327.00	2235	478.00	58
135.00	7665	228.00	4835	328.00	1328		
136.00	2885	229.00	4983	329.00	98		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D		
Injection Date:	21-Nov-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1645645
163 4,4'-DDD, Area = 18153
164 4,4'-DDE, Area = 2359

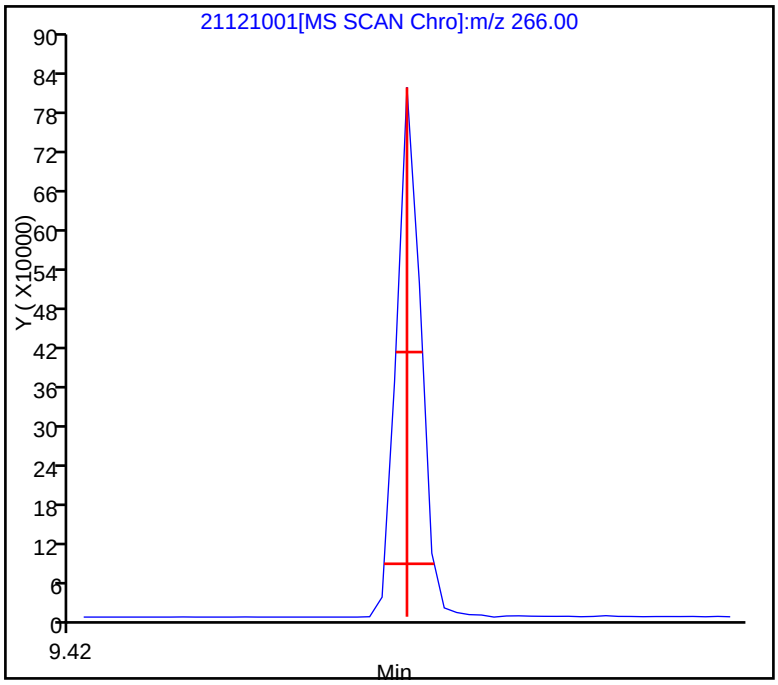
%Breakdown: 1.23%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D		
Injection Date:	21-Nov-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.2, Max. Tailing < 5.00
Passed

Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54

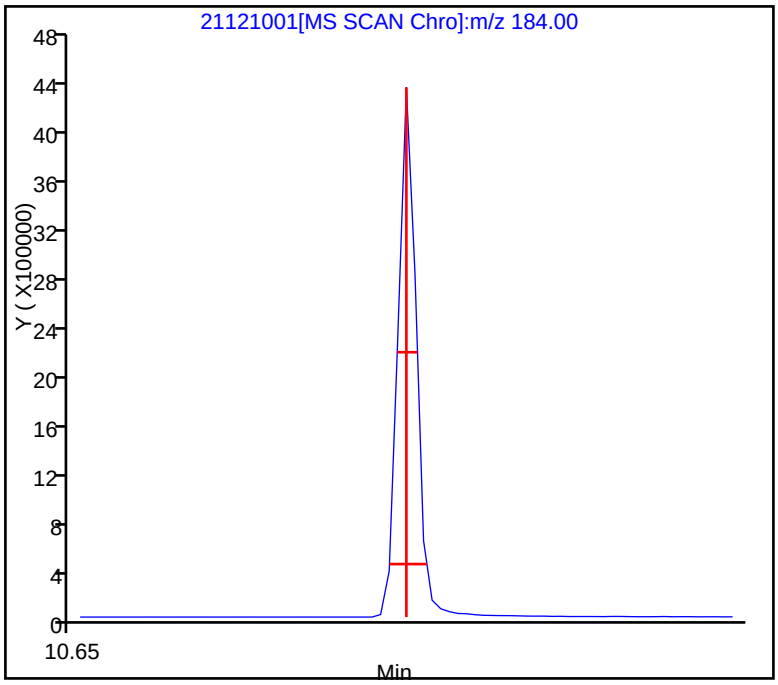
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121121-15157.b\21121001.D

Injection Date:	21-Nov-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	65876	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.2, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	06-Dec-2012 08:55:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015580-001		
Misc. Info.:	dftpp		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	67544	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m		
Last Update:	07-Dec-2012 12:54:43	Calib Date:	14-Nov-2012 18:19:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK034		

First Level Reviewer: gruberj Date: 06-Dec-2012 07:30:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.435	9.435	0.0	89	520751	0	
148 DFTPP								
158 Benzidine	184	10.718	10.718	0.0	100	3080582	0	
164 4,4'-DDE	246	10.879	10.879	0.0	42	2148	0	
163 4,4'-DDD	235	11.226	11.226	0.0	76	13599	0	
168 4,4'-DDT	235	11.499	11.499	0.0	99	1468749	0	

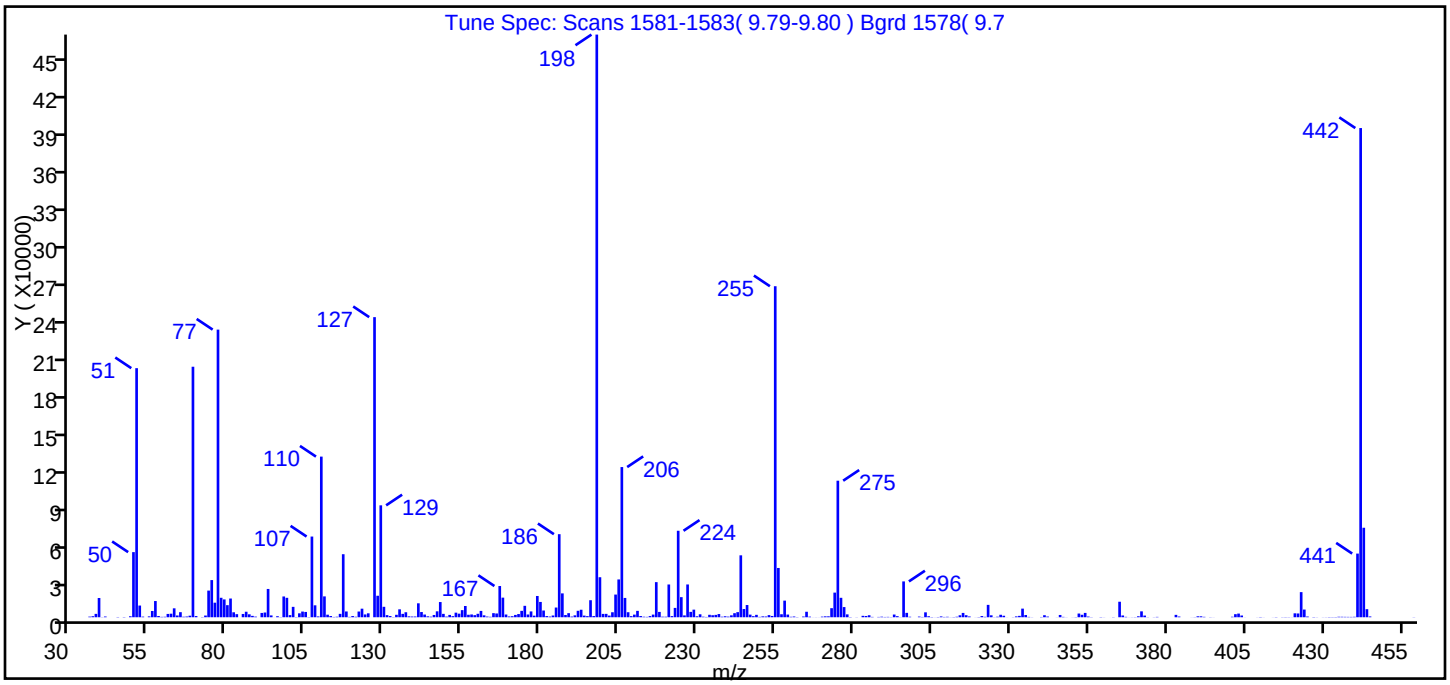
Report Date: 07-Dec-2012 12:54:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206001.D		
Injection Date:	06-Dec-2012 08:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

148 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	42.75
68	Less than 2.00% of mass 69	0.27 (0.62)
69	Present	43.00
70	Less than 2.00% of mass 69	0.21 (0.48)
127	25.00 - 75.00% of mass 198	51.51
197	Less than 1.00% of mass 198	0.20
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 30.00% of mass 198	23.43
365	Greater than 0.75% of mass 198	2.66
441	Present, but less than mass 443%	10.93 (71.14)
442	40.00 - 110.00% of mass 198	83.96
443	15.00 - 24.00% of mass 442	15.36 (18.30)

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206001.D\8270_hp7.rslt\spectra.d
Injection Date: 06-Dec-2012 08:55:30
Spectrum: Tune Spec: Scans 1581-1583(9.79-9.80) Bgrd 1578(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	509	136.00	2732	227.00	26408	325.00	114
37.00	845	137.00	4035	228.00	4332	326.00	434
38.00	2724	138.00	725	229.00	6129	327.00	2001
39.00	15493	139.00	586	230.00	788	328.00	1211
40.00	122	140.00	599	231.00	2389	329.00	50
41.00	598	141.00	11233	232.00	457	331.00	116
45.00	211	142.00	4200	233.00	245	332.00	679
47.00	206	143.00	2179	234.00	1979	333.00	1119
48.00	8	144.00	750	235.00	1644	334.00	6949
49.00	791	145.00	466	236.00	1913	335.00	1780
50.00	52440	146.00	1834	237.00	2592	336.00	297
51.00	200576	147.00	4779	238.00	443	337.00	91
52.00	9428	148.00	12249	239.00	804	340.00	226
53.00	504	149.00	2737	240.00	506	341.00	1642
55.00	699	150.00	524	241.00	1543	342.00	560
56.00	5054	151.00	1889	242.00	3267	345.00	61
57.00	13059	152.00	882	243.00	4112	346.00	1836
58.00	1004	153.00	3693	244.00	49864	347.00	303
59.00	321	154.00	2889	245.00	6624	348.00	69
60.00	400	155.00	5736	246.00	9849	350.00	61
61.00	2680	156.00	9062	247.00	2114	351.00	169
62.00	2871	157.00	2007	248.00	869	352.00	2994
63.00	7189	158.00	2250	249.00	1943	353.00	1994
64.00	1436	159.00	1704	250.00	311	354.00	3503
65.00	4097	160.00	2791	251.00	700	355.00	565
66.00	420	161.00	5109	252.00	599	356.00	144
67.00	578	162.00	1547	253.00	1714	359.00	190
68.00	1245	163.00	569	254.00	1035	360.00	71
69.00	201728	164.00	357	255.00	266560	362.00	11
70.00	967	165.00	3301	256.00	39680	363.00	147
72.00	195	166.00	3040	257.00	2418	365.00	12497
73.00	1379	167.00	25152	258.00	13392	366.00	1428
74.00	21464	168.00	15791	259.00	2163	367.00	331

Report Date: 07-Dec-2012 12:54:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206001.D\8270_hp7.rslt\spectra.d
Injection Date: 06-Dec-2012 08:55:30
Spectrum: Tune Spec: Scans 1581-1583(9.79-9.80) Bgrd 1578(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	29936	169.00	2205	260.00	376	368.00	56
76.00	11723	170.00	659	261.00	597	369.00	91
77.00	231616	171.00	835	262.00	169	370.00	156
78.00	15683	172.00	1874	264.00	579	371.00	793
79.00	14351	173.00	2577	265.00	4428	372.00	4766
80.00	9729	174.00	5152	266.00	494	373.00	1357
81.00	15078	175.00	9203	267.00	53	374.00	115
82.00	3998	176.00	2214	268.00	76	376.00	104
83.00	2487	177.00	4700	269.00	53	377.00	298
85.00	2645	178.00	1278	270.00	502	383.00	1927
86.00	4446	179.00	17128	271.00	725	384.00	584
87.00	2366	180.00	12330	272.00	750	388.00	52
88.00	1120	181.00	5425	273.00	7312	389.00	128
89.00	518	182.00	947	274.00	19840	390.00	766
91.00	3479	183.00	553	275.00	109952	391.00	758
92.00	3813	184.00	1416	276.00	15663	392.00	334
93.00	22784	185.00	7827	277.00	8198	394.00	122
94.00	1469	186.00	66896	278.00	2315	395.00	54
95.00	35	187.00	19224	279.00	203	401.00	408
96.00	836	188.00	1801	281.00	101	402.00	2476
97.00	153	189.00	3294	283.00	1150	403.00	2962
98.00	16744	190.00	553	284.00	1027	404.00	1397
99.00	15657	191.00	1538	285.00	1612	405.00	52
100.00	1714	192.00	5208	286.00	286	409.00	60
101.00	8373	193.00	6051	288.00	265	410.00	210
102.00	177	194.00	1322	289.00	453	411.00	58
103.00	3173	195.00	898	290.00	243	414.00	55
104.00	4586	196.00	13719	291.00	310	415.00	172
105.00	4280	197.00	951	292.00	143	417.00	126
106.00	191	198.00	469184	293.00	2191	418.00	169
107.00	64984	199.00	32232	294.00	865	419.00	132
108.00	9610	200.00	2703	295.00	113	420.00	65
109.00	670	201.00	2732	296.00	28864	421.00	3164
110.00	129360	202.00	1356	297.00	3544	422.00	3043

Report Date: 07-Dec-2012 12:54:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206001.D\8270_hp7.rslt\spectra.d
Injection Date: 06-Dec-2012 08:55:30
Spectrum: Tune Spec: Scans 1581-1583(9.79-9.80) Bgrd 1578(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 362

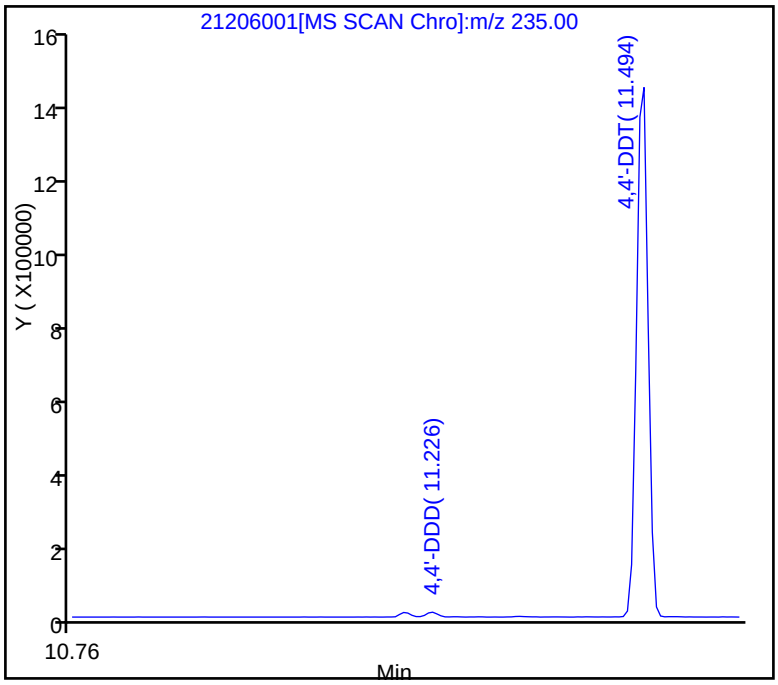
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	16800	203.00	4022	298.00	415	423.00	20232
112.00	2065	204.00	18272	301.00	546	424.00	6201
113.00	981	205.00	30448	302.00	244	425.00	592
114.00	246	206.00	120936	303.00	3960	427.00	198
115.00	424	207.00	15556	304.00	809	428.00	92
116.00	2732	208.00	4046	305.00	204	430.00	80
117.00	50760	209.00	896	306.00	66	431.00	99
118.00	4664	210.00	2122	307.00	211	432.00	192
119.00	306	211.00	5143	308.00	675	433.00	171
120.00	962	212.00	982	309.00	256	434.00	195
121.00	401	213.00	433	310.00	378	435.00	393
122.00	4613	214.00	305	311.00	81	436.00	379
123.00	6907	215.00	954	312.00	185	437.00	330
124.00	2268	216.00	2137	313.00	408	438.00	298
125.00	3175	217.00	28280	314.00	1592	439.00	285
127.00	241664	218.00	4300	315.00	3487	440.00	365
128.00	17312	219.00	463	316.00	1645	441.00	51272
129.00	90120	220.00	432	317.00	644	442.00	393920
130.00	8414	221.00	26384	319.00	54	443.00	72072
131.00	1707	222.00	932	320.00	193	444.00	6507
132.00	979	223.00	7531	321.00	963	445.00	654
133.00	175	224.00	69648	322.00	346	459.00	115
134.00	1978	225.00	16183	323.00	9968		
135.00	6387	226.00	1490	324.00	1556		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206001.D		
Injection Date:	06-Dec-2012 08:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

168 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

168 4,4'-DDT, Area = 1468749
163 4,4'-DDD, Area = 13599
164 4,4'-DDE, Area = 2148

%Breakdown: 1.06%, Max Limit: 20.00%
Passed

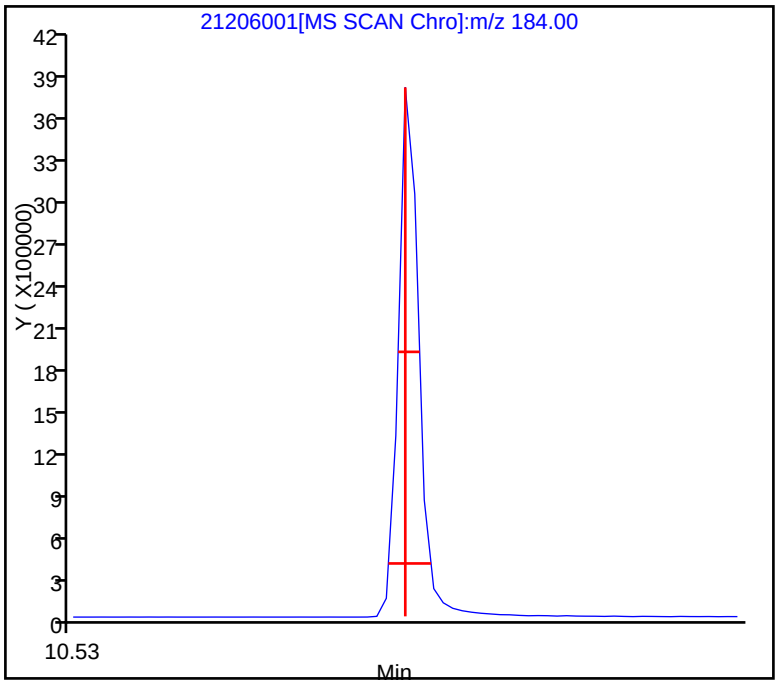
Report Date: 07-Dec-2012 12:54:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206001.D		
Injection Date:	06-Dec-2012 08:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

158 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.5, Max. Tailing < 3.00
Passed

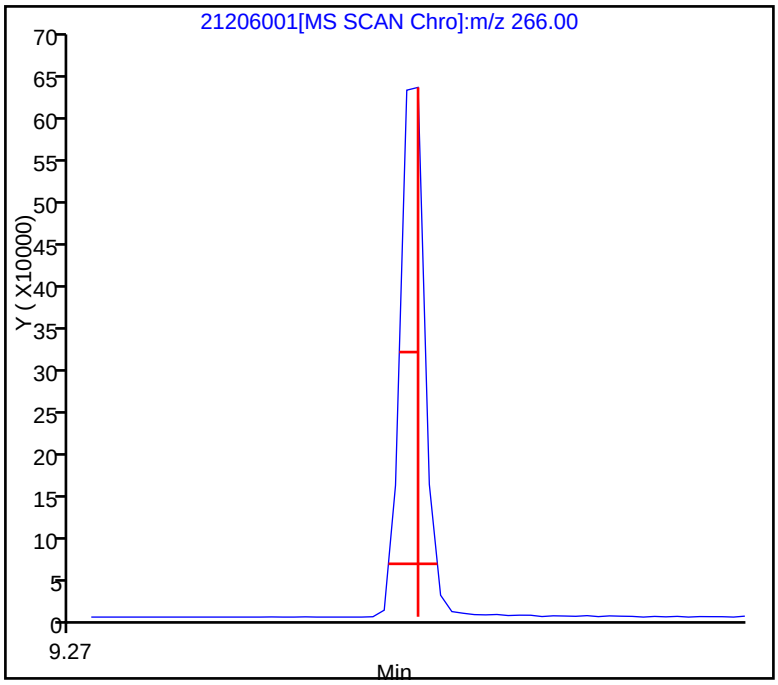
Peak Tailing Report

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206001.D

Injection Date:	06-Dec-2012 08:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	1
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

141 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.009 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 5.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66569/21-A

Matrix: Solid | Lab File ID: 21206004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 10:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	20.1	J	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	50	27	13
85-68-7	Butyl benzyl phthalate	27	U	50	27	10
86-74-8	Carbazole	27	U	50	27	27
106-47-8	4-Chloroaniline	27	U	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	50	27	13
218-01-9	Chrysene	3.3	U	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U	50	27	20
91-94-1	3,3'-Dichlorobenzidine	80	U	100	80	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	50	27	16
105-67-9	2,4-Dimethylphenol	80	U	150	80	20
131-11-3	Dimethyl phthalate	27	U	50	27	17
84-74-2	Di-n-butyl phthalate	27	U	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66569/21-A

Matrix: Solid | Lab File ID: 21206004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 10:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U	150	80	80
51-28-5	2,4-Dinitrophenol	80	U	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U	200	27	21
117-84-0	Di-n-octyl phthalate	27	U	50	27	27
206-44-0	Fluoranthene	3.3	U	6.7	3.3	3.3
86-73-7	Fluorene	3.3	U	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U	400	80	20
91-20-3	Naphthalene	3.3	U	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.1
99-09-2	3-Nitroaniline	80	U	200	80	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	80	U	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	50	27	21
87-86-5	Pentachlorophenol	80	U	150	80	80
85-01-8	Phenanthrene	3.3	U	6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66569/21-A

Matrix: Solid | Lab File ID: 21206004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 10:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	74		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	75		35-100
4165-62-2	Phenol-d5 (Surr)	75		40-100
1718-51-0	Terphenyl-d14 (Surr)	89		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	71		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206004.D
Lims ID: MB 240-66569/21-A
Client ID:
Inject. Date: 06-Dec-2012 10:08:30
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015580-004
Misc. Info.: mb 240-66569/21-a
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 67544
Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj
Date: 06-Dec-2012 08:39:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.734	5.733	0.001	95	147794	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	554335	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	91	319624	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	98	547378	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	98	574787	4.00	
* 6 Perylene-d12	264	14.035	14.035	0.0	93	412941	4.00	
$ 7 2-Fluorophenol	112	4.450	4.434	0.016	94	520717	11.4	
$ 8 Phenol-d5	99	5.386	5.380	0.006	97	656501	11.3	
$ 9 Nitrobenzene-d5	82	6.226	6.226	0.0	88	364921	7.49	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	100	766351	7.39	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	93	140797	10.6	
$ 12 Terphenyl-d14	244	10.938	10.932	0.006	99	943277	8.86	
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
19 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
24 1,4-Dioxane	88		2.048					
25 N-Nitrosodimethylamine	74		2.471					
26 Pyridine	79		2.514					9
27 Ethyl methacrylate	69		3.252					9
232 1-Methyl-2-pyrrilidinone	99	3.316	3.271	0.045	0	129	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.706					
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66		4.118					9
33 Acrylamide	71	4.343	4.349	-0.006	1	159	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					9
233 n,n'-Dimethylacetamide	44	4.450	4.536	-0.086	0	4412	0	
35 N-Nitrosodiethylamine	102		4.868					9
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77		5.327					9
37 2-Methylcyclohexanone	68	5.386	5.376	0.010	24	17148	0	
41 Phenol	94		5.391					9
38 3-Methylcyclohexanone	69	5.429	5.414	0.015	1	400	0	
43 Aniline	93		5.423					
39 4-Methylcyclohexanone	55	5.520	5.462	0.058	29	4442	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93		5.487					9
46 2-Chlorophenol	128		5.536					9
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146		5.680					
48 1,4-Dichlorobenzene	146		5.750					
49 Benzyl alcohol	108		5.851					9
50 1,2-Dichlorobenzene	146		5.883					
51 2-Methylphenol	108		5.947					9
52 2,2'-oxybis[1-chloropropane]	45		5.974					
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108		6.081					
56 N-Nitrosodi-n-propylamine	70		6.086					
57 Acetophenone	105		6.092					9
60 Hexachloroethane	117		6.188					
55 N-Nitrosopyrrolidine	100		6.216					
61 Nitrobenzene	77		6.242					9
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					9
63 Isophorone	82		6.450					9
65 2-Nitrophenol	139		6.520					
62 N-Nitrosopiperidine	114		6.521					
66 1,3,5-Trichlorobenzene	180		6.530					
64 2,4-Dimethylphenol	107		6.546					
69 Benzoic acid	122		6.616					9
68 Bis(2-chloroethoxy)methane	93		6.632					
71 2,4-Dichlorophenol	162		6.728					
67 o,o',o''-Triethylphosphorothioat	198		6.740					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180		6.803					9
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128		6.873					9
74 4-Chloroaniline	127		6.916					
77 Hexachlorobutadiene	225		6.974					
78 1,2,3-Trichlorobenzene	180		6.996					
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					9
83 Caprolactam	113		7.199					
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107		7.311					
81 N-Nitrosodi-n-butylamine	84		7.328					9
82 p-Phenylene diamine	108		7.355					
85 2-Methylnaphthalene	142		7.466					
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142		7.552					
87 1,2,3,5-Tetrachlorobenzene	216		7.595					
88 Hexachlorocyclopentadiene	237		7.595					
90 2,4,6-Trichlorophenol	196		7.696					
91 2,4,5-Trichlorophenol	196		7.729					
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					1
94 2,4-Toluene diamine	121		7.841					9
96 1,2,3,4 -Tetrachlorobenzene	216		7.846					
95 1,1'-Biphenyl	154		7.857					
98 2-Chloronaphthalene	162		7.878					
100 2-Nitroaniline	65		7.959					
227 Isosafrole Peak 2	162		7.960					149
97 3,4-Dichloronitrobenzene	109		7.986					
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163		8.098					9
105 2,6-Dinitrotoluene	165		8.156					9
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168		8.205					
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152		8.231					9
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138		8.301					
110 Acenaphthene	153		8.376					9
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109		8.424					9
112 2,4-Dinitrotoluene	165		8.493					
114 Dibenzofuran	168		8.520					9
115 2,3,5,6-Tetrachlorophenol	232		8.579					
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149		8.686					9
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
121 4-Chlorophenyl phenyl ether	204		8.798					
118 2-Naphthylamine	143		8.799					
124 Fluorene	166		8.809					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138		8.814					
126 4,6-Dinitro-2-methylphenol	198		8.836					
130 N-Nitrosodiphenylamine	169		8.895					
120 Thionazin	97		8.901					9
129 1,2-Diphenylhydrazine	77		8.932					
131 Azobenzene	77		8.932					
122 N-Nitro-o-toluidine	152		8.954					
125 Tributyl phosphate	99		8.992					
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248		9.210					
133 1,3,5-Trinitrobenzene	213		9.238					
139 Hexachlorobenzene	284		9.274					
228 Diallate Peak 1	86		9.275					14
135 Phenacetin	108		9.281					
136 Phorate	121		9.286					
140 Atrazine	200		9.328					
230 Diallate Peak 2	86		9.356					14
138 Dimethoate	87		9.430					
141 Pentachlorophenol	266		9.435					
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178		9.622					9
147 Anthracene	178		9.665					9
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					
149 Carbazole	167		9.793					9
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149		10.055					
152 Diphenylsulfone	125		10.169					
153 Ethyl Parathion	97		10.366					9
154 4-Nitroquinoline-1-oxide	190		10.420					
155 Methapyrilene	58		10.463					
157 Fluoranthene	202		10.622					9
156 Isodrin	66		10.655					
158 Benzidine	184		10.718					
160 Pyrene	202		10.820					9
164 4,4'-DDE	246		10.879					9
226 Aramite Peak 1	185		11.056					149
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.226					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149		11.387					
168 4,4'-DDT	235		11.499					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244		11.959					
172 4,4'-Methylene bis(2-chloroanili	231		11.997					9
173 3,3'-Dichlorobenzidine	252		11.997					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
171 Bis(2-ethylhexyl) phthalate	149	12.029	12.018	0.011	84	11586	0.3016	
175 Benzo[a]anthracene	228		12.040					9
176 Chrysene	228		12.088					9
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149		12.879					9
180 Benzo[b]fluoranthene	252		13.473					9
181 Benzo[k]fluoranthene	252		13.510					9
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252		13.954					9
183 3-Methylcholanthrene	268		14.774					9
184 Dibenz[a,j]acridine	279		15.501					
185 Dibenz[a,h]acridine	279		15.576					
186 Indeno[1,2,3-cd]pyrene	276		15.628					
187 Dibenz(a,h)anthracene	278		15.650					
188 Benzo[g,h,i]perylene	276		16.030					
S 189 Methyl Phenols,Total	100		0.000					7
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.214	3.050	0.164	1	61	0	
T 194 Octadecane (TIC)	254		6.300					1
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

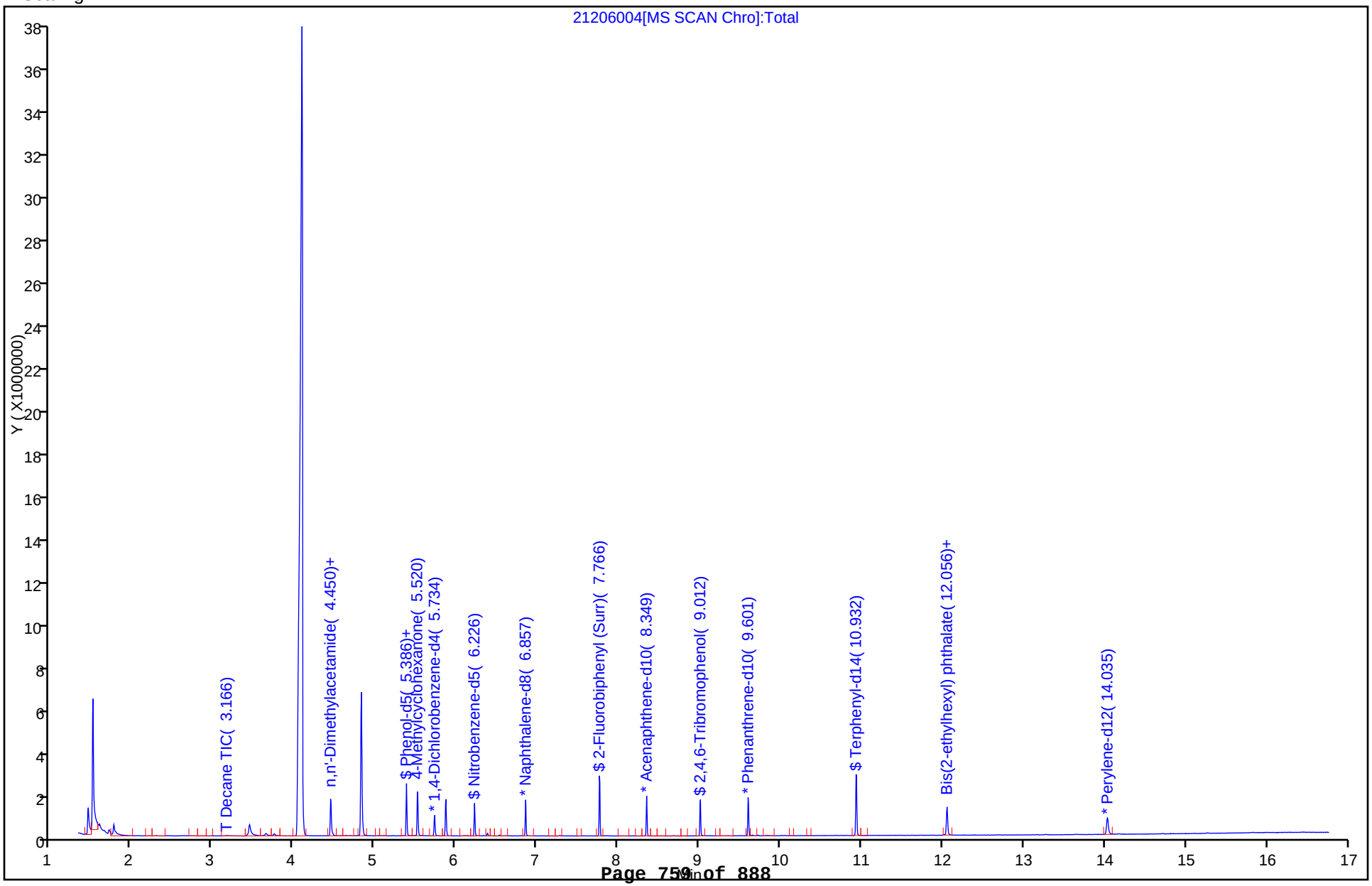
Report Date: 07-Dec-2012 12:54:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206004.D

Injection Date:	06-Dec-2012 10:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



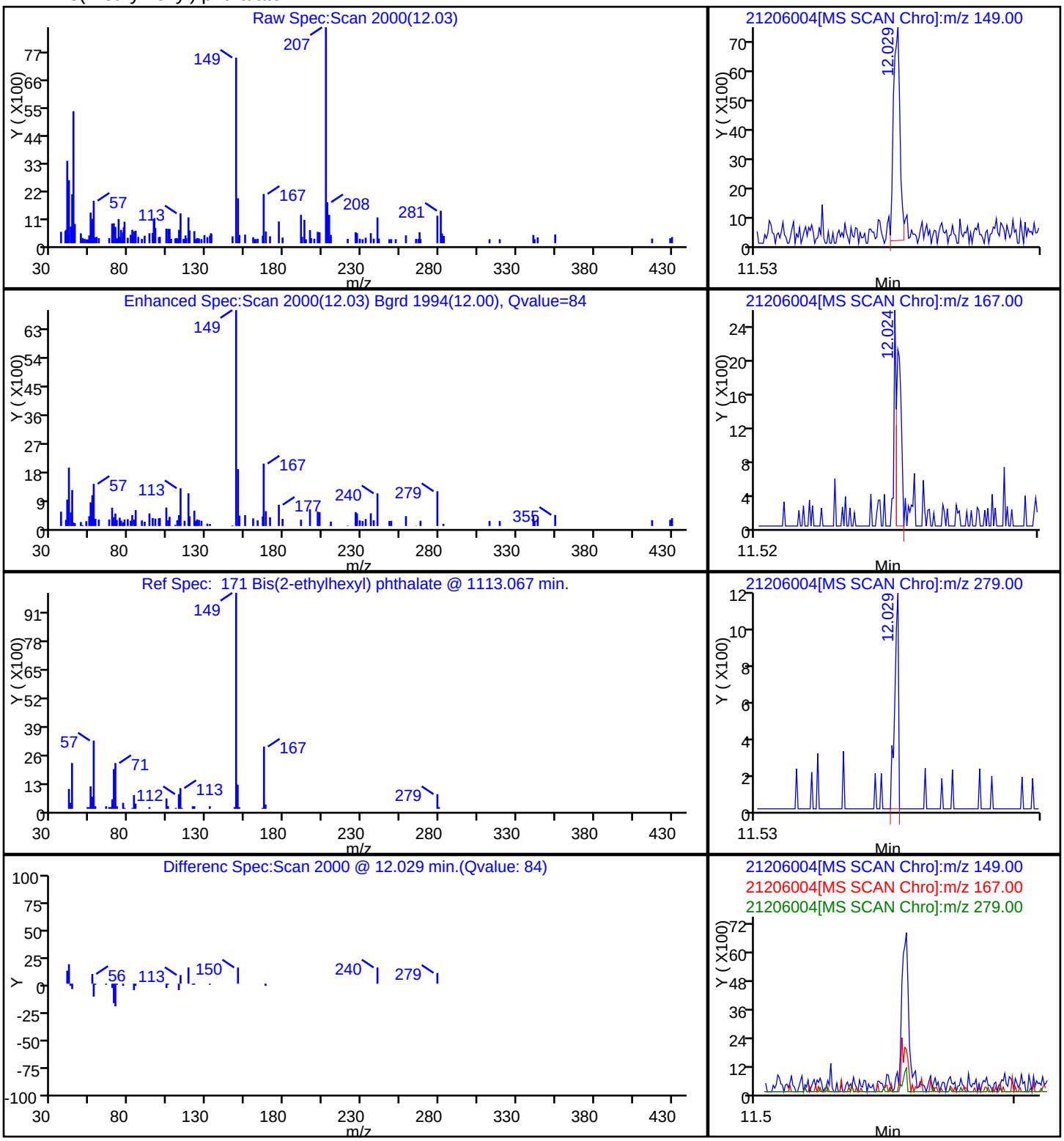
Report Date: 07-Dec-2012 12:54:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206004.D

Injection Date:	06-Dec-2012 10:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66569/22-A

Matrix: Solid | Lab File ID: 21206005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 10:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	482		6.7	3.3	3.3
208-96-8	Acenaphthylene	484		6.7	3.3	3.3
120-12-7	Anthracene	534		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	559		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	508		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	598		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	644		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	587		6.7	3.3	3.3
100-51-6	Benzyl alcohol	455		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	460		100	27	22
111-44-4	Bis(2-chloroethyl)ether	453		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	437		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	557		50	27	19
101-55-3	4-Bromophenyl phenyl ether	555		50	27	13
85-68-7	Butyl benzyl phthalate	536		50	27	10
86-74-8	Carbazole	548		50	27	27
106-47-8	4-Chloroaniline	342		150	27	17
59-50-7	4-Chloro-3-methylphenol	515		150	27	21
91-58-7	2-Chloronaphthalene	468		50	3.3	3.3
95-57-8	2-Chlorophenol	463		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	518		50	27	13
218-01-9	Chrysene	574		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	573		6.7	3.3	3.3
132-64-9	Dibenzofuran	488		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	450		50	27	9.7
541-73-1	1,3-Dichlorobenzene	428		50	27	11
106-46-7	1,4-Dichlorobenzene	446		50	27	20
91-94-1	3,3'-Dichlorobenzidine	329		100	80	18
120-83-2	2,4-Dichlorophenol	491		150	27	20
84-66-2	Diethyl phthalate	575		50	27	16
105-67-9	2,4-Dimethylphenol	394		150	80	20
131-11-3	Dimethyl phthalate	552		50	27	17
84-74-2	Di-n-butyl phthalate	588		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66569/22-A

Matrix: Solid | Lab File ID: 21206005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 10:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	490		150	80	80
51-28-5	2,4-Dinitrophenol	410		330	80	80
121-14-2	2,4-Dinitrotoluene	592		200	27	27
606-20-2	2,6-Dinitrotoluene	570		200	27	21
117-84-0	Di-n-octyl phthalate	530		50	27	27
206-44-0	Fluoranthene	571		6.7	3.3	3.3
86-73-7	Fluorene	508		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	536		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	466		50	27	27
77-47-4	Hexachlorocyclopentadiene	374		330	27	27
67-72-1	Hexachloroethane	441		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	577		6.7	3.3	3.3
78-59-1	Isophorone	492		50	27	13
91-57-6	2-Methylnaphthalene	472		6.7	3.3	3.3
95-48-7	2-Methylphenol	452		200	80	80
15831-10-4	3 & 4 Methylphenol	917		400	80	20
91-20-3	Naphthalene	475		6.7	3.3	3.3
88-74-4	2-Nitroaniline	536		200	27	9.1
99-09-2	3-Nitroaniline	516		200	80	16
100-01-6	4-Nitroaniline	533		200	27	26
98-95-3	Nitrobenzene	479		100	3.3	2.2
88-75-5	2-Nitrophenol	481		50	27	27
100-02-7	4-Nitrophenol	599		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	465		50	27	27
86-30-6	N-Nitrosodiphenylamine	545		50	27	21
87-86-5	Pentachlorophenol	436		150	80	80
85-01-8	Phenanthrene	527		6.7	3.3	3.3
108-95-2	Phenol	480		50	27	27
129-00-0	Pyrene	527		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	454		50	27	27
95-95-4	2,4,5-Trichlorophenol	521		150	27	25
88-06-2	2,4,6-Trichlorophenol	487		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66569/22-A

Matrix: Solid | Lab File ID: 21206005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 10:31

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	68		35-100
4165-62-2	Phenol-d5 (Surr)	70		40-100
1718-51-0	Terphenyl-d14 (Surr)	82		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	83		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206005.D
Lims ID: LCS 240-66569/22-A Client ID:
Inject. Date: 06-Dec-2012 10:31:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015580-005
Misc. Info.: lcs 240-66569/22-a
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 67544 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj Date: 06-Dec-2012 09:21:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.734	5.733	0.001	96	155932	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	596263	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	346407	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	98	632911	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	89	673761	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	96	517704	4.00	
$ 7 2-Fluorophenol	112	4.450	4.434	0.016	92	496545	10.3	
$ 8 Phenol-d5	99	5.386	5.380	0.006	90	646891	10.6	
$ 9 Nitrobenzene-d5	82	6.226	6.226	0.0	88	355293	6.78	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	755508	6.72	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	90	178318	12.4	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	99	1019208	8.17	
24 1,4-Dioxane	88	2.043	2.048	-0.005	94	52021	2.87	
25 N-Nitrosodimethylamine	74	2.466	2.471	-0.005	89	160693	5.33	
26 Pyridine	79	2.514	2.514	0.0	95	256844	4.95	
30 2-Picoline	93		3.964					9
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.327	5.327	0.0	93	278894	6.86	
41 Phenol	94	5.397	5.391	0.006	100	470104	7.20	
43 Aniline	93	5.429	5.423	0.006	88	327386	4.01	
44 Bis(2-chloroethyl)ether	93	5.488	5.487	0.001	96	342731	6.80	
46 2-Chlorophenol	128	5.536	5.536	0.0	97	365731	6.94	
47 1,3-Dichlorobenzene	146	5.680	5.680	0.0	97	364617	6.42	
48 1,4-Dichlorobenzene	146	5.750	5.750	0.0	85	377490	6.69	
49 Benzyl alcohol	108	5.851	5.851	0.0	89	221874	6.83	
50 1,2-Dichlorobenzene	146	5.883	5.883	0.0	90	363345	6.75	
51 2-Methylphenol	108	5.948	5.947	0.001	94	322361	6.78	
52 2,2'-oxybis[1-chloropropane]	45	5.969	5.974	-0.005	90	484473	6.55	
191 3 & 4 Methylphenol	108	6.081	6.081	0.0	93	685785	13.8	
56 N-Nitrosodi-n-propylamine	70	6.087	6.086	0.001	80	246388	6.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 Acetophenone	105	6.092	6.092	0.0	93	475298	6.74	
60 Hexachloroethane	117	6.188	6.188	0.0	93	151726	6.61	
61 Nitrobenzene	77	6.242	6.242	0.0	84	389390	7.19	
63 Isophorone	82	6.450	6.450	0.0	99	701876	7.38	
65 2-Nitrophenol	139	6.520	6.520	0.0	96	183966	7.22	
64 2,4-Dimethylphenol	107	6.547	6.546	0.001	96	296324	5.91	
69 Benzoic acid	122	6.589	6.616	-0.027	87	109198	4.52	
68 Bis(2-chloroethoxy)methane	93	6.632	6.632	0.0	99	416726	6.90	
71 2,4-Dichlorophenol	162	6.728	6.728	0.0	94	291728	7.37	
72 1,2,4-Trichlorobenzene	180	6.803	6.803	0.0	93	321832	6.81	
73 Naphthalene	128	6.873	6.873	0.0	97	1061923	7.13	
74 4-Chloroaniline	127	6.916	6.916	0.0	87	325699	5.13	
77 Hexachlorobutadiene	225	6.974	6.974	0.0	94	178921	6.99	
83 Caprolactam	113	7.194	7.199	-0.005	77	115713	7.59	
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.311	7.311	0.0	94	328416	7.72	
85 2-Methylnaphthalene	142	7.467	7.466	0.0	89	675240	7.09	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.552	7.552	0.0	91	651345	7.18	
88 Hexachlorocyclopentadiene	237	7.595	7.595	0.0	93	157452	5.61	
90 2,4,6-Trichlorophenol	196	7.697	7.696	0.0	91	213253	7.30	
91 2,4,5-Trichlorophenol	196	7.729	7.729	0.001	95	246010	7.82	
95 1,1'-Biphenyl	154	7.857	7.857	0.0	94	829145	6.78	
98 2-Chloronaphthalene	162	7.878	7.878	0.0	96	671892	7.02	
100 2-Nitroaniline	65	7.959	7.959	0.001	85	225778	8.04	
103 Dimethyl phthalate	163	8.098	8.098	0.0	98	842933	8.29	
105 2,6-Dinitrotoluene	165	8.156	8.156	0.0	94	198259	8.55	
106 1,2-Dinitrobenzene	168	8.205	8.205	0.0	92	101107	8.96	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.231	8.231	0.0	90	1147658	7.26	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.301	8.301	0.0	93	196970	7.73	
110 Acenaphthene	153	8.376	8.376	0.0	95	687577	7.24	
109 2,4-Dinitrophenol	184	8.386	8.386	0.0	86	70480	6.15	
111 4-Nitrophenol	109	8.424	8.424	0.0	95	131759	8.98	
112 2,4-Dinitrotoluene	165	8.493	8.493	0.0	86	278063	8.88	
114 Dibenzofuran	168	8.520	8.520	0.0	89	1031997	7.32	
115 2,3,5,6-Tetrachlorophenol	232	8.579	8.579	0.0	91	200450	7.73	
119 Diethyl phthalate	149	8.686	8.686	0.0	97	917593	8.63	
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
121 4-Chlorophenyl phenyl ether	204	8.798	8.798	0.0	91	416493	7.77	
124 Fluorene	166	8.809	8.809	0.0	92	862511	7.62	
123 4-Nitroaniline	138	8.814	8.814	0.0	74	221865	8.00	
126 4,6-Dinitro-2-methylphenol	198	8.836	8.836	0.0	85	148515	7.34	
130 N-Nitrosodiphenylamine	169	8.895	8.895	0.001	0	713591	8.18	
129 1,2-Diphenylhydrazine	77	8.932	8.932	0.0	0	903896	7.34	
131 Azobenzene	77	8.932	8.932	0.0	99	903896	7.34	
137 4-Bromophenyl phenyl ether	248	9.210	9.210	0.0	63	268626	8.32	
139 Hexachlorobenzene	284	9.274	9.274	0.0	90	267138	8.04	
135 Phenacetin	108		9.281					
136 Phorate	121		9.286					
140 Atrazine	200	9.328	9.328	0.0	90	258797	10.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.429	9.435	-0.006	87	139292	6.53	
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.622	9.622	0.0	97	1365790	7.90	
147 Anthracene	178	9.665	9.665	0.0	97	1377226	8.02	
149 Carbazole	167	9.793	9.793	0.0	82	1371848	8.22	
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	100	1654124	8.83	
157 Fluoranthene	202	10.622	10.622	0.0	97	1636393	8.57	
160 Pyrene	202	10.820	10.820	0.0	96	1700266	7.91	
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.387	11.387	0.0	97	705887	8.04	
173 3,3'-Dichlorobenzidine	252	11.997	11.997	0.0	70	360255	4.93	
171 Bis(2-ethylhexyl) phthalate	149	12.024	12.018	0.006	97	1038993	8.35	
175 Benzo[a]anthracene	228	12.040	12.040	0.0	97	1577495	8.39	
176 Chrysene	228	12.088	12.088	0.0	95	1543051	8.61	
178 Di-n-octyl phthalate	149	12.879	12.879	0.0	99	1469054	7.95	
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	94	1481375	8.97	
181 Benzo[k]fluoranthene	252	13.510	13.510	0.0	95	1581204	8.81	
182 Benzo[a]pyrene	252	13.949	13.954	-0.005	77	1288793	7.62	
186 Indeno[1,2,3-cd]pyrene	276	15.629	15.628	0.001	95	1616054	8.65	
187 Dibenz(a,h)anthracene	278	15.650	15.650	0.0	66	1370395	8.60	
188 Benzo[g,h,i]perylene	276	16.030	16.030	0.0	94	1432704	9.67	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

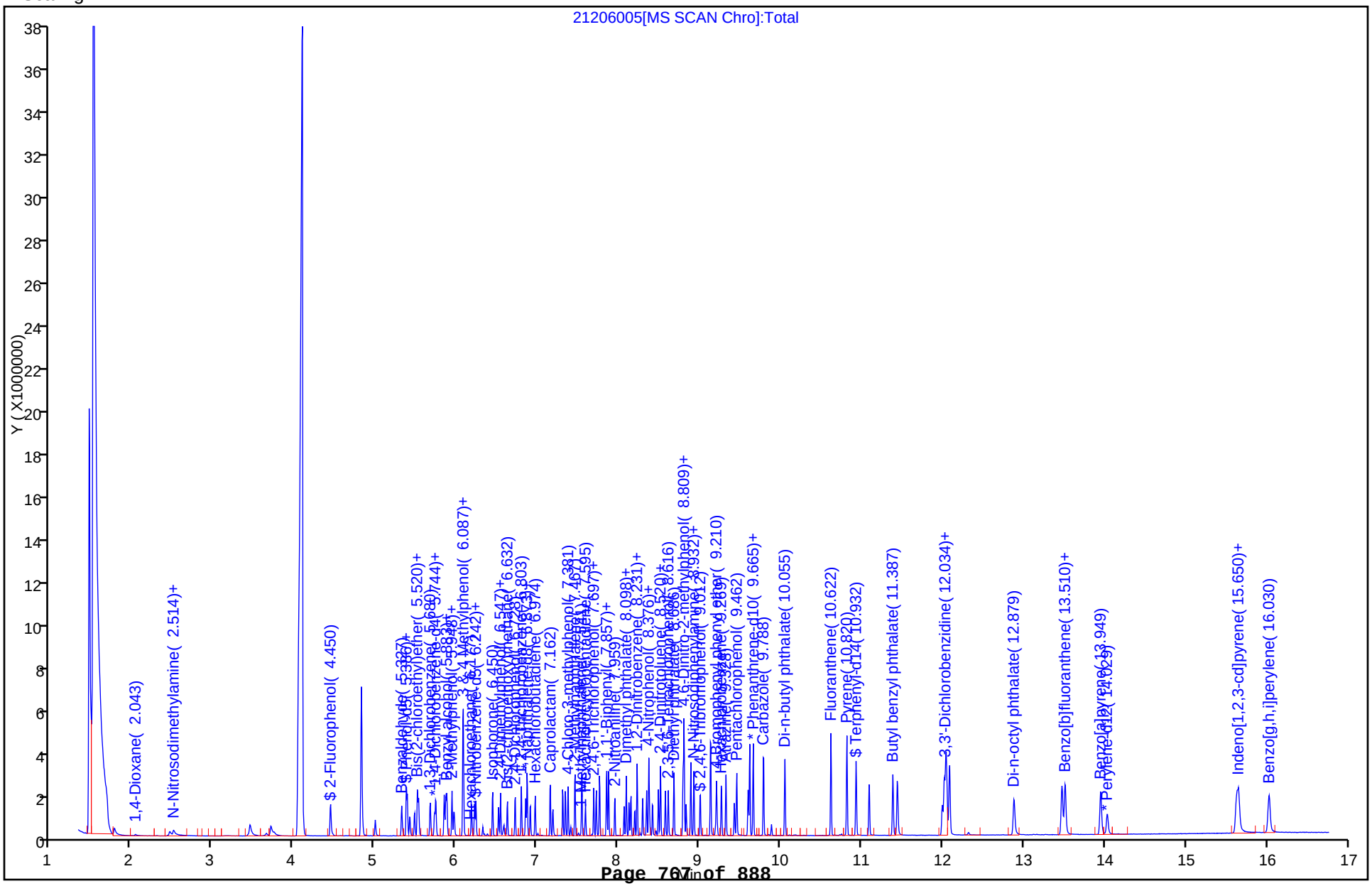
Report Date: 07-Dec-2012 12:54:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206005.D

Injection Date:	06-Dec-2012 10:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	5
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67544/3

Matrix: Solid | Lab File ID: 21206003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/06/2012 09:41

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.01		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.07		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.03		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.06		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.09		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.21		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.42		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.06		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.63		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.98		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.93		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.85		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.91		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.10		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.89		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.04		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.08		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.87		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.05		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.18		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.94		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.04		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.91		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.10		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.95		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.04		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.00		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.23		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.04		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.99		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.19		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.07		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.33		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.30		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67544/3

Matrix: Solid | Lab File ID: 21206003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/06/2012 09:41

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.14		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.04		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.64		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.21		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.97		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.16		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.25		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.27		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.90		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.14		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.01		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.09		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.00		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.00		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.09		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.10		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.16		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.00		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.16		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.98		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.99		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.92		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.03		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.60		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.81		0.00020	0.00010	0.00010
108-95-2	Phenol	4.92		0.0010	0.00080	0.00060
129-00-0	Pyrene	4.93		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.28		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.10		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.21		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67544/3

Matrix: Solid | Lab File ID: 21206003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/06/2012 09:41

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	103		50-150
367-12-4	2-Fluorophenol (Surr)	98		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	103	Q	50-150
4165-62-2	Phenol-d5 (Surr)	100		50-150
1718-51-0	Terphenyl-d14 (Surr)	100		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	111		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206003.D
Lims ID: mrl qc
Client ID:
Inject. Date: 06-Dec-2012 09:41:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015580-003
Misc. Info.: mrl qc
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 67544
Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13
Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: 5% phenyl
Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj
Date: 06-Dec-2012 08:05:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.733	5.733	0.0	95	190423	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	716631	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	90	417270	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	98	730577	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	93	765833	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	93	616441	4.00	
$ 7 2-Fluorophenol	112	4.439	4.434	0.005	92	287630	4.89	
$ 8 Phenol-d5	99	5.380	5.380	0.0	96	373259	4.99	
$ 9 Nitrobenzene-d5	82	6.225	6.226	-0.001	88	323665	5.14	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	694220	5.13	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	91	95406	5.53	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	98	711554	5.02	
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
19 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
24 1,4-Dioxane	88	2.048	2.048	0.0	91	99420	4.50	
25 N-Nitrosodimethylamine	74	2.471	2.471	0.0	92	157084	4.34	
26 Pyridine	79	2.519	2.514	0.005	95	307597	4.86	
27 Ethyl methacrylate	69	3.252	3.252	0.0	91	233415	4.44	
232 1-Methyl-2-pyrrilidinone	99	3.257	3.271	-0.014	0	37178	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.712	3.706	0.006	90	179231	5.10	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.118	4.118	0.0	99	315939	4.77	
33 Acrylamide	71	4.337	4.349	-0.012	1	141	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.551	4.536	0.015	0	145	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.327	5.327	0.0	91	248022	5.00	
37 2-Methylcyclohexanone	68	5.380	5.376	0.004	25	8663	0	
41 Phenol	94	5.391	5.391	0.0	100	392137	4.92	
38 3-Methylcyclohexanone	69	5.423	5.414	0.009	1	811	0	
43 Aniline	93	5.423	5.423	0.0	97	485064	4.87	
39 4-Methylcyclohexanone	55	5.455	5.462	-0.007	1	299	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.487	5.487	0.0	95	298298	4.85	
46 2-Chlorophenol	128	5.535	5.536	-0.001	95	325129	5.05	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.680	5.680	0.0	96	343515	4.95	
48 1,4-Dichlorobenzene	146	5.749	5.750	-0.001	94	347050	5.04	
49 Benzyl alcohol	108	5.851	5.851	0.0	91	197399	4.98	
50 1,2-Dichlorobenzene	146	5.883	5.883	0.0	89	335353	5.10	
51 2-Methylphenol	108	5.947	5.947	0.0	96	290470	5.00	
52 2,2'-oxybis[1-chloropropane]	45	5.974	5.974	0.0	90	432590	4.79	
53 Indene	115		6.066					9
191 3 & 4 Methylphenol	108	6.076	6.081	-0.005	97	304509	5.00	
56 N-Nitrosodi-n-propylamine	70	6.086	6.086	0.0	89	212008	4.92	
57 Acetophenone	105	6.092	6.092	0.0	95	422241	4.91	
60 Hexachloroethane	117	6.188	6.188	0.0	93	137278	4.90	
55 N-Nitrosopyrrolidine	100		6.216					
61 Nitrobenzene	77	6.241	6.242	-0.001	83	336019	5.16	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.450	6.450	0.0	97	572252	5.01	
65 2-Nitrophenol	139	6.520	6.520	0.0	96	152662	4.98	
62 N-Nitrosopiperidine	114		6.521					9
66 1,3,5-Trichlorobenzene	180	6.530	6.530	0.0	96	303130	5.33	
64 2,4-Dimethylphenol	107	6.546	6.546	0.0	88	300303	4.99	
69 Benzoic acid	122	6.600	6.616	-0.016	86	282939	8.06	
68 Bis(2-chloroethoxy)methane	93	6.632	6.632	0.0	99	358166	4.93	
71 2,4-Dichlorophenol	162	6.728	6.728	0.0	94	249043	5.23	
67 o,o',o''-Triethylphosphorothioat	198		6.740					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.803	6.803	0.0	93	299801	5.28	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.873	6.873	0.0	95	911120	5.09	
74 4-Chloroaniline	127	6.915	6.916	-0.001	87	386530	5.06	
77 Hexachlorobutadiene	225	6.974	6.974	0.0	94	161502	5.25	
78 1,2,3-Trichlorobenzene	180	6.996	6.996	0.0	90	277684	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					9
83 Caprolactam	113	7.193	7.199	-0.006	72	84446	4.65	
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.311	7.311	0.0	93	259801	5.08	
81 N-Nitrosodi-n-butylamine	84		7.328					9
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.461	7.466	-0.005	91	582511	5.09	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.552	7.552	0.0	90	564904	5.18	
87 1,2,3,5-Tetrachlorobenzene	216	7.595	7.595	0.0	96	284934	5.02	
88 Hexachlorocyclopentadiene	237	7.595	7.595	0.0	89	144285	4.27	
90 2,4,6-Trichlorophenol	196	7.696	7.696	0.0	92	183144	5.21	
91 2,4,5-Trichlorophenol	196	7.728	7.729	0.0	95	193235	5.10	
89 1,2,4,5-Tetrachlorobenzene	216	7.846	7.751	0.095	97	276434	5.24	
225 Isosafrole Peak 1	162		7.767					
94 2,4-Toluene diamine	121	7.841	7.841	0.0	98	182847	5.01	
96 1,2,3,4 -Tetrachlorobenzene	216		7.846					
95 1,1'-Biphenyl	154	7.857	7.857	0.0	95	727649	4.94	
98 2-Chloronaphthalene	162	7.878	7.878	0.0	96	560994	4.87	
100 2-Nitroaniline	65	7.953	7.959	-0.005	81	172427	5.10	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
99 Phenyl ether	170		8.040					9
103 Dimethyl phthalate	163	8.097	8.098	-0.001	98	636556	5.19	
105 2,6-Dinitrotoluene	165	8.156	8.156	0.0	96	135949	5.04	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.199	8.205	-0.006	90	71713	5.27	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.231	8.231	0.0	93	964917	5.07	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.301	8.301	0.0	95	158207	5.16	
110 Acenaphthene	153	8.376	8.376	0.0	93	573304	5.01	
109 2,4-Dinitrophenol	184	8.386	8.386	0.0	83	131916	8.30	
111 4-Nitrophenol	109	8.418	8.424	-0.006	94	88112	4.99	
112 2,4-Dinitrotoluene	165	8.493	8.493	0.0	88	186960	5.14	
114 Dibenzofuran	168	8.520	8.520	0.0	88	834382	4.91	
115 2,3,5,6-Tetrachlorophenol	232	8.579	8.579	0.0	90	162536	5.20	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.686	8.686	0.0	97	645098	5.04	
116 1-Naphthylamine	143		8.735					9
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
121 4-Chlorophenyl phenyl ether	204	8.798	8.798	0.0	91	334268	5.18	
118 2-Naphthylamine	143		8.799					9
124 Fluorene	166	8.809	8.809	0.0	84	677992	4.97	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.809	8.814	-0.005	74	163816	5.00	
126 4,6-Dinitro-2-methylphenol	198	8.836	8.836	0.0	84	93380	4.33	
130 N-Nitrosodiphenylamine	169	8.894	8.895	0.0	0	506956	5.03	
120 Thionazin	97		8.901					9
129 1,2-Diphenylhydrazine	77	8.932	8.932	0.0	0	678554	4.77	
131 Azobenzene	77	8.932	8.932	0.0	99	679897	4.78	
122 N-Nitro-o-toluidine	152		8.954					
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248	9.210	9.210	0.0	63	189926	5.10	
133 1,3,5-Trinitrobenzene	213		9.238					9
139 Hexachlorobenzene	284	9.274	9.274	0.0	89	197854	5.16	
228 Diallate Peak 1	86		9.275					2
135 Phenacetin	108		9.281					
136 Phorate	121		9.286					9
140 Atrazine	200	9.328	9.328	0.0	92	148690	5.42	
230 Diallate Peak 2	86		9.356					
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.429	9.435	-0.006	87	241634	9.60	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.622	9.622	0.0	97	959649	4.81	
147 Anthracene	178	9.665	9.665	0.0	97	998042	5.03	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.793	9.793	0.0	81	970266	5.04	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	100	1097334	5.07	
152 Diphenylsulfone	125		10.169					
153 Ethyl Parathion	97		10.366					9
154 4-Nitroquinoline-1-oxide	190		10.420					
155 Methapyrilene	58		10.463					9
157 Fluoranthene	202	10.622	10.622	0.0	97	1148067	5.21	
156 Isodrin	66		10.655					9
158 Benzidine	184	10.718	10.718	0.0	99	533127	4.42	
160 Pyrene	202	10.820	10.820	0.0	98	1204984	4.93	
164 4,4'-DDE	246		10.879					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.226					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.387	11.387	0.0	97	476680	4.89	
168 4,4'-DDT	235		11.499					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	11.959	11.959	0.0	93	189811	4.16	
172 4,4'-Methylene bis(2-chloroanili	231	11.997	11.997	0.0	70	187736	4.97	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	11.997	11.997	0.0	68	415912	5.00	
171 Bis(2-ethylhexyl) phthalate	149	12.018	12.018	0.0	96	675272	4.91	
175 Benzo[a]anthracene	228	12.039	12.040	-0.001	94	1081107	5.06	
176 Chrysene	228	12.087	12.088	-0.001	93	1006051	4.94	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.879	12.879	0.0	99	971601	4.64	
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	95	1024774	5.21	
181 Benzo[k]fluoranthene	252	13.510	13.510	0.0	97	1202937	5.63	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.949	13.954	-0.005	77	1007824	5.09	
183 3-Methylcholanthrene	268		14.774					9
184 Dibenz[a,j]acridine	279		15.501					
185 Dibenz[a,h]acridine	279		15.576					9
186 Indeno[1,2,3-cd]pyrene	276	15.623	15.628	-0.005	94	1123475	5.14	
187 Dibenz(a,h)anthracene	278	15.650	15.650	0.0	80	937580	5.04	
188 Benzo[g,h,i]perylene	276	16.024	16.030	-0.006	95	955688	5.42	
S 189 Methyl Phenols,Total	100				0		5.00	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110	7.172	0.0	7.172	83	39178	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.027	3.050	-0.023	1	71	0	
T 194 Octadecane (TIC)	254	6.231	6.300	-0.069	1	114	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

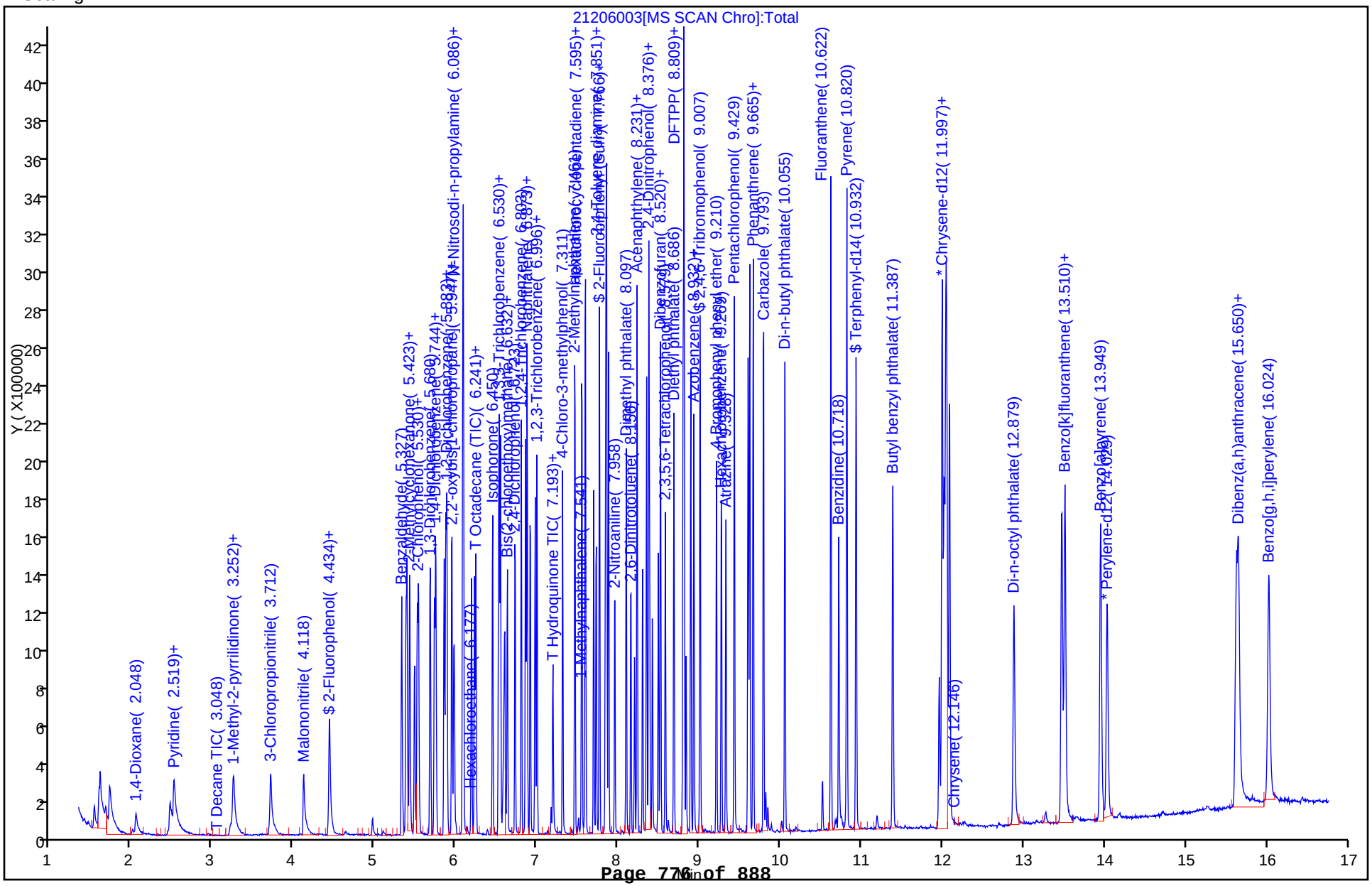
Report Date: 07-Dec-2012 12:54:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206003.D

Injection Date:	06-Dec-2012 09:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	3
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67544/25

Matrix: Solid | Lab File ID: 21206025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/06/2012 18:16

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.06		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.05		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.14		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.39		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.22		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.55		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.39		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	7.75		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.30		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.98		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.17		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.87		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.38		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.57		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.38		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.06		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.38		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.24		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.84		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.41		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.40		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.01		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.05		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	4.91		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.87		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.92		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.42		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.36		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.09		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.39		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.10		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.25		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.40		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	7.41		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67544/25

Matrix: Solid | Lab File ID: 21206025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/06/2012 18:16

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.41		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.25		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.20		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.27		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.08		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.32		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.41		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	3.32	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.79		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.26		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.32		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.12		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.91		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.93		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.04		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.20		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.47		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.29		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.42		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.36		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.86		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.89		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.98		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.74		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.93		0.00020	0.00010	0.00010
108-95-2	Phenol	4.83		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.21		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.50		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.43		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.29		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67544/25

Matrix: Solid | Lab File ID: 21206025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/06/2012 18:16

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	105		50-150
367-12-4	2-Fluorophenol (Surr)	97		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	108	Q	50-150
4165-62-2	Phenol-d5 (Surr)	98		50-150
1718-51-0	Terphenyl-d14 (Surr)	109		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	113		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206025.D
Lims ID: mrl qccl Client ID:
Inject. Date: 06-Dec-2012 18:16:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015580-025
Misc. Info.: mrl qccl
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 67544 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 10-Dec-2012 10:14:02 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: CORP-CTX-18

First Level Reviewer: ulmanm Date: 10-Dec-2012 10:14:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.733	5.733	0.0	94	224557	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	100	819626	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	485047	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	98	854296	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	92	849647	4.00	
* 6 Perylene-d12	264	14.034	14.035	-0.001	97	725945	4.00	
$ 7 2-Fluorophenol	112	4.434	4.434	0.0	93	336963	4.85	
$ 8 Phenol-d5	99	5.380	5.380	0.0	96	431732	4.90	
$ 9 Nitrobenzene-d5	82	6.225	6.226	-0.001	89	388922	5.40	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	828151	5.26	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	90	113286	5.65	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	99	854357	5.43	
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
21 Octachlorostyrene	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
17 4-Chlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
24 1,4-Dioxane	88	2.048	2.048	0.0	91	113748	4.36	
25 N-Nitrosodimethylamine	74	2.465	2.471	-0.006	90	168199	3.98	
26 Pyridine	79	2.519	2.514	0.005	97	331678	4.44	
27 Ethyl methacrylate	69	3.252	3.252	0.0	89	284775	4.59	M
232 1-Methyl-2-pyrrilidinone	99	3.257	3.271	-0.014	0	50145	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.712	3.706	0.006	91	201233	4.86	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					9
32 Malononitrile	66	4.118	4.118	0.0	98	381051	4.88	
33 Acrylamide	71	4.343	4.349	-0.006	4	169	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.557	4.536	0.021	0	956	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77	5.327	5.327	0.0	91	294110	5.02	
37 2-Methylcyclohexanone	68	5.380	5.376	0.004	25	13791	0	
41 Phenol	94	5.391	5.391	0.0	100	453571	4.83	
38 3-Methylcyclohexanone	69	5.428	5.414	0.014	10	404	0	
43 Aniline	93	5.423	5.423	0.0	98	573849	4.88	
39 4-Methylcyclohexanone	55	5.455	5.462	-0.007	1	1154	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.487	5.487	0.0	96	353344	4.87	
46 2-Chlorophenol	128	5.535	5.536	-0.001	96	367232	4.84	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.680	5.680	0.0	97	398656	4.87	
48 1,4-Dichlorobenzene	146	5.749	5.750	-0.001	93	400135	4.92	
49 Benzyl alcohol	108	5.851	5.851	0.0	91	233120	4.98	
50 1,2-Dichlorobenzene	146	5.883	5.883	0.0	89	380665	4.91	
51 2-Methylphenol	108	5.947	5.947	0.0	96	336052	4.91	
52 2,2'-oxybis[1-chloropropane]	45	5.974	5.974	0.0	90	520163	4.88	
53 Indene	115		6.066					9
191 3 & 4 Methylphenol	108	6.076	6.081	-0.005	98	353622	4.93	
56 N-Nitrosodi-n-propylamine	70	6.086	6.086	0.0	88	248683	4.89	
57 Acetophenone	105	6.092	6.092	0.0	95	510315	5.03	
60 Hexachloroethane	117	6.188	6.188	0.0	93	158373	4.79	
55 N-Nitrosopyrrolidine	100		6.216					9
61 Nitrobenzene	77	6.241	6.242	-0.001	83	403706	5.42	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.450	6.450	0.0	99	695060	5.32	
65 2-Nitrophenol	139	6.520	6.520	0.0	97	187922	5.36	
62 N-Nitrosopiperidine	114		6.521					
66 1,3,5-Trichlorobenzene	180	6.530	6.530	0.0	95	358513	5.52	
64 2,4-Dimethylphenol	107	6.546	6.546	0.0	92	371212	5.39	
69 Benzoic acid	122	6.600	6.616	-0.016	84	308149	7.75	
68 Bis(2-chloroethoxy)methane	93	6.632	6.632	0.0	99	428960	5.17	
71 2,4-Dichlorophenol	162	6.728	6.728	0.0	95	291941	5.36	
67 o,o',o''-Triethylphosphorothioat	198		6.740					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.803	6.803	0.0	93	357074	5.50	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.873	6.873	0.0	95	1031792	5.04	
74 4-Chloroaniline	127	6.915	6.916	-0.001	87	453061	5.19	
77 Hexachlorobutadiene	225	6.974	6.974	0.0	94	190364	5.41	
78 1,2,3-Trichlorobenzene	180	6.996	6.996	0.0	93	340769	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					9
83 Caprolactam	113	7.194	7.199	-0.005	76	101336	4.86	
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.311	7.311	0.0	94	314796	5.38	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.466	7.466	0.0	91	670581	5.12	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.552	7.552	0.0	90	638585	5.12	
87 1,2,3,5-Tetrachlorobenzene	216	7.595	7.595	0.0	95	348828	5.29	
88 Hexachlorocyclopentadiene	237	7.595	7.595	0.0	82	130676	3.32	
90 2,4,6-Trichlorophenol	196	7.696	7.696	0.0	94	216217	5.29	
91 2,4,5-Trichlorophenol	196	7.728	7.729	0.0	95	239045	5.43	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
94 2,4-Toluene diamine	121	7.841	7.841	0.0	97	192286	4.61	
96 1,2,3,4 -Tetrachlorobenzene	216	7.846	7.846	0.0	95	352180	0	
95 1,1'-Biphenyl	154	7.857	7.857	0.0	94	846707	4.94	
98 2-Chloronaphthalene	162	7.878	7.878	0.0	96	701961	5.24	
100 2-Nitroaniline	65	7.958	7.959	0.0	83	204604	5.20	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163	8.097	8.098	-0.001	99	726140	5.10	
105 2,6-Dinitrotoluene	165	8.156	8.156	0.0	95	165424	5.25	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.204	8.205	-0.001	89	87052	5.51	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.231	8.231	0.0	94	1117384	5.05	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.301	8.301	0.0	94	194917	5.47	
110 Acenaphthene	153	8.376	8.376	0.0	94	672755	5.06	
109 2,4-Dinitrophenol	184	8.386	8.386	0.0	84	130661	7.41	
111 4-Nitrophenol	109	8.424	8.424	0.0	91	99850	4.86	
112 2,4-Dinitrotoluene	165	8.499	8.493	0.006	88	229786	5.41	
114 Dibenzofuran	168	8.520	8.520	0.0	89	998104	5.05	
115 2,3,5,6-Tetrachlorophenol	232	8.579	8.579	0.0	88	191799	5.28	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.686	8.686	0.0	98	757445	5.09	
116 1-Naphthylamine	143		8.735					9
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
121 4-Chlorophenyl phenyl ether	204	8.798	8.798	0.0	92	405964	5.41	
118 2-Naphthylamine	143		8.799					9
124 Fluorene	166	8.809	8.809	0.0	93	806279	5.08	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.814	8.814	0.0	85	202119	5.29	
126 4,6-Dinitro-2-methylphenol	198	8.836	8.836	0.0	77	111191	4.40	
130 N-Nitrosodiphenylamine	169	8.894	8.894	0.0	0	587166	4.98	
120 Thionazin	97		8.901					9
129 1,2-Diphenylhydrazine	77	8.932	8.932	0.0	0	785384	4.72	
131 Azobenzene	77	8.932	8.932	0.0	99	786216	4.73	
122 N-Nitro-o-toluidine	152		8.954					9
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248	9.215	9.210	0.005	62	242564	5.57	
133 1,3,5-Trinitrobenzene	213		9.238					9
139 Hexachlorobenzene	284	9.274	9.274	0.0	89	238782	5.32	
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					
140 Atrazine	200	9.328	9.328	0.0	91	184635	5.76	
230 Diallate Peak 2	86		9.356					
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.435	9.435	0.0	92	287012	9.74	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.622	9.622	0.0	97	1151135	4.93	
147 Anthracene	178	9.665	9.665	0.0	97	1191333	5.14	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.793	9.793	0.0	82	1139333	5.06	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	100	1327955	5.25	
152 Diphenylsulfone	125		10.169					
153 Ethyl Parathion	97		10.366					9
154 4-Nitroquinoline-1-oxide	190		10.420					
155 Methapyrilene	58		10.463					9
157 Fluoranthene	202	10.622	10.622	0.0	97	1358528	5.27	
156 Isodrin	66		10.655					9
158 Benzidine	184	10.718	10.718	0.0	99	636483	4.72	
160 Pyrene	202	10.820	10.820	0.0	96	1413352	5.21	
164 4,4'-DDE	246		10.879					
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.226					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.387	11.387	0.0	97	584504	5.38	
168 4,4'-DDT	235		11.499					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	11.959	11.959	0.0	95	261105	4.97	
172 4,4'-Methylene bis(2-chloroanili	231	11.997	11.997	0.0	68	234372	5.57	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	11.997	11.997	0.0	66	502211	5.42	
171 Bis(2-ethylhexyl) phthalate	149	12.023	12.018	0.005	95	824962	5.38	
175 Benzo[a]anthracene	228	12.045	12.040	0.005	94	1277199	5.39	
176 Chrysene	228	12.088	12.088	0.0	92	1221007	5.40	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.879	12.879	0.0	99	1295908	5.20	
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	92	1285628	5.55	
181 Benzo[k]fluoranthene	252	13.510	13.510	0.0	99	1333258	5.30	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					9
182 Benzo[a]pyrene	252	13.954	13.954	0.0	77	1217595	5.22	
183 3-Methylcholanthrene	268		14.774					
184 Dibenz[a,j]acridine	279		15.501					
185 Dibenz[a,h]acridine	279		15.576					9
186 Indeno[1,2,3-cd]pyrene	276	15.628	15.628	0.0	94	1354870	5.26	
187 Dibenz(a,h)anthracene	278	15.655	15.650	0.005	82	1098082	5.01	
188 Benzo[g,h,i]perylene	276	16.029	16.030	-0.001	93	1120554	5.39	
S 189 Methyl Phenols,Total	100				0		4.91	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 231 2,3,7,8-TCDD	1		0.000					1
T 193 Hydroquinone TIC	110	7.172	0.0	7.172	78	44313	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.027	3.050	-0.023	1	77	0	
T 194 Octadecane (TIC)	254	13.660	6.300	7.360	86	27903	0	
T 196 Kepone TIC	1		8.281					1
T 197 Hexachlorophene TIC	1		9.269					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

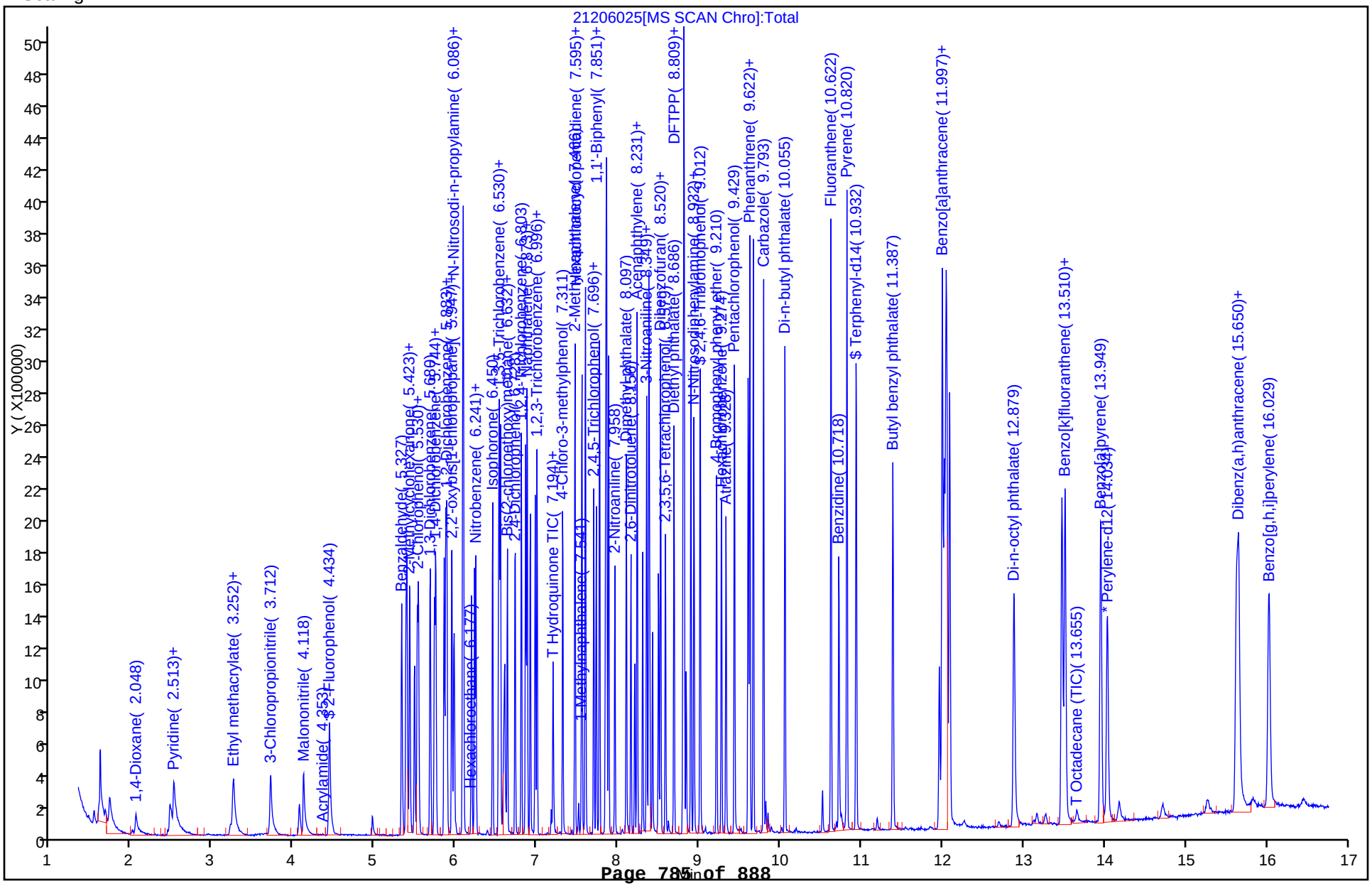
Report Date: 10-Dec-2012 10:14:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206025.D

Injection Date:	06-Dec-2012 18:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	25
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO MS | Lab Sample ID: 240-17810-7 MS

Matrix: Solid | Lab File ID: 21206007.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.65(g) | Date Analyzed: 12/06/2012 11:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	457	D	67	33	33
208-96-8	Acenaphthylene	408	D	67	33	33
120-12-7	Anthracene	412	D	67	33	33
56-55-3	Benzo[a]anthracene	447	D	67	33	33
50-32-8	Benzo[a]pyrene	416	D	67	33	33
205-99-2	Benzo[b]fluoranthene	373	D	67	33	33
191-24-2	Benzo[g,h,i]perylene	436	D	67	33	33
65-85-0	Benzoic acid	3400	U	6700	3400	3400
207-08-9	Benzo[k]fluoranthene	424	D	67	33	33
100-51-6	Benzyl alcohol	367	J D	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	378	J D	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	347	J D	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	355	J D	1000	270	96
117-81-7	Bis(2-ethylhexyl) phthalate	438	J D	510	270	190
101-55-3	4-Bromophenyl phenyl ether	442	J D	510	270	130
85-68-7	Butyl benzyl phthalate	461	J D	510	270	100
86-74-8	Carbazole	440	J D	510	270	270
106-47-8	4-Chloroaniline	270	U J	1500	270	170
59-50-7	4-Chloro-3-methylphenol	406	J D	1500	270	210
91-58-7	2-Chloronaphthalene	408	J D	510	33	33
95-57-8	2-Chlorophenol	363	J D	510	270	270
7005-72-3	4-Chlorophenyl phenyl ether	462	J D	510	270	130
218-01-9	Chrysene	489	D	67	33	11
53-70-3	Dibenz(a,h)anthracene	453	D	67	33	33
132-64-9	Dibenzofuran	417	J D	510	33	33
95-50-1	1,2-Dichlorobenzene	358	J D	510	270	98
541-73-1	1,3-Dichlorobenzene	331	J D	510	270	110
106-46-7	1,4-Dichlorobenzene	334	J D	510	270	200
91-94-1	3,3'-Dichlorobenzidine	301	J D	1000	810	180
120-83-2	2,4-Dichlorophenol	414	J D	1500	270	200
84-66-2	Diethyl phthalate	446	J D	510	270	160
105-67-9	2,4-Dimethylphenol	363	J D	1500	810	200
131-11-3	Dimethyl phthalate	471	J D	510	270	170
84-74-2	Di-n-butyl phthalate	430	J D	510	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO MS | Lab Sample ID: 240-17810-7 MS

Matrix: Solid | Lab File ID: 21206007.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.65(g) | Date Analyzed: 12/06/2012 11:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	810	U	1500	810	810
51-28-5	2,4-Dinitrophenol	810	U	3300	810	810
121-14-2	2,4-Dinitrotoluene	564	J D	2000	270	270
606-20-2	2,6-Dinitrotoluene	663	J D	2000	270	210
117-84-0	Di-n-octyl phthalate	464	J D	510	270	270
206-44-0	Fluoranthene	452	D	67	33	33
86-73-7	Fluorene	421	D	67	33	33
118-74-1	Hexachlorobenzene	482	D	67	33	21
87-68-3	Hexachlorobutadiene	373	J D	510	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	308	J D	510	270	91
193-39-5	Indeno[1,2,3-cd]pyrene	408	D	67	33	33
78-59-1	Isophorone	388	J D	510	270	130
91-57-6	2-Methylnaphthalene	430	D	67	33	33
95-48-7	2-Methylphenol	810	U	2000	810	810
15831-10-4	3 & 4 Methylphenol	781	J D	4000	810	200
91-20-3	Naphthalene	408	D	67	33	33
88-74-4	2-Nitroaniline	377	J D	2000	270	92
99-09-2	3-Nitroaniline	264	J D	2000	810	160
100-01-6	4-Nitroaniline	468	J D	2000	270	260
98-95-3	Nitrobenzene	379	J D	1000	33	22
88-75-5	2-Nitrophenol	452	J D	510	270	270
100-02-7	4-Nitrophenol	810	U	3300	810	810
621-64-7	N-Nitrosodi-n-propylamine	376	J D	510	270	270
86-30-6	N-Nitrosodiphenylamine	401	J D	510	270	210
87-86-5	Pentachlorophenol	810	U	1500	810	810
85-01-8	Phenanthrene	458	D	67	33	33
108-95-2	Phenol	400	J D	510	270	270
129-00-0	Pyrene	416	D	67	33	33
120-82-1	1,2,4-Trichlorobenzene	386	J D	510	270	270
95-95-4	2,4,5-Trichlorophenol	414	J D	1500	270	250
88-06-2	2,4,6-Trichlorophenol	810	U	1500	810	810

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO MS | Lab Sample ID: 240-17810-7 MS

Matrix: Solid | Lab File ID: 21206007.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.65(g) | Date Analyzed: 12/06/2012 11:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	59		45-105
367-12-4	2-Fluorophenol (Surr)	55		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	52		35-100
4165-62-2	Phenol-d5 (Surr)	58		40-100
1718-51-0	Terphenyl-d14 (Surr)	68		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	58		35-125

Report Date: 07-Dec-2012 12:54:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206007.D
Lims ID: 240-17810-E-7-C MS Client ID:
Inject. Date: 06-Dec-2012 11:18:30 Dil. Factor: 10.0000
Sample Type: MS
Sample ID: 240-0015580-007
Misc. Info.: 240-17810-e-7-c ms
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 67544 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj Date: 06-Dec-2012 10:45:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.734	5.733	0.001	94	197069	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	728425	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	90	426557	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	98	754257	4.00	
* 5 Chrysene-d12	240	12.050	12.056	-0.006	97	785295	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	93	633392	4.00	
$ 7 2-Fluorophenol	112	4.461	4.434	0.027	92	50342	0.8264	
$ 8 Phenol-d5	99	5.386	5.380	0.006	95	66753	0.8631	
$ 9 Nitrobenzene-d5	82	6.226	6.226	0.0	93	32993	0.5152	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	97	81836	0.5914	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	86	15356	0.8702	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	98	99178	0.6819	
41 Phenol	94	5.397	5.391	0.006	98	48849	0.5924	
44 Bis(2-chloroethyl)ether	93	5.488	5.487	0.001	88	32737	0.5140	
46 2-Chlorophenol	128	5.536	5.536	0.0	93	35888	0.5387	
47 1,3-Dichlorobenzene	146	5.680	5.680	0.0	91	35256	0.4910	
48 1,4-Dichlorobenzene	146	5.750	5.750	0.0	79	35318	0.4952	
49 Benzyl alcohol	108	5.851	5.851	0.0	92	22343	0.5443	
50 1,2-Dichlorobenzene	146	5.883	5.883	0.0	83	36050	0.5301	
51 2-Methylphenol	108	5.948	5.947	0.001	95	32446	0.5398	
52 2,2'-oxybis[1-chloropropane]	45	5.969	5.974	-0.005	87	49136	0.5257	
191 3 & 4 Methylphenol	108	6.081	6.081	0.0	94	72992	1.16	
56 N-Nitrosodi-n-propylamine	70	6.087	6.086	0.001	77	24853	0.5569	
60 Hexachloroethane	117	6.188	6.188	0.0	84	13221	0.4560	
61 Nitrobenzene	77	6.242	6.242	0.0	90	37188	0.5618	
63 Isophorone	82	6.450	6.450	0.0	96	66756	0.5746	
65 2-Nitrophenol	139	6.525	6.520	0.005	78	20893	0.6708	
64 2,4-Dimethylphenol	107	6.547	6.546	0.001	93	32913	0.5375	
69 Benzoic acid	122		6.616					
68 Bis(2-chloroethoxy)methane	93	6.632	6.632	0.0	97	41307	0.5598	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.728	6.728	0.0	94	29703	0.6138	
72 1,2,4-Trichlorobenzene	180	6.803	6.803	0.0	44	32997	0.5718	
73 Naphthalene	128	6.873	6.873	0.0	96	110198	0.6054	
74 4-Chloroaniline	127	6.916	6.916	0.0	74	16223	0.2091	
77 Hexachlorobutadiene	225	6.974	6.974	0.0	88	17302	0.5535	
84 4-Chloro-3-methylphenol	107	7.311	7.311	0.0	92	31305	0.6023	
85 2-Methylnaphthalene	142	7.467	7.466	0.001	93	74300	0.6382	
88 Hexachlorocyclopentadiene	237	7.595	7.595	0.0	71	7554	0.2185	
90 2,4,6-Trichlorophenol	196	7.697	7.696	0.0	88	21140	0.5880	
91 2,4,5-Trichlorophenol	196	7.729	7.729	0.001	94	23758	0.6134	
98 2-Chloronaphthalene	162	7.878	7.878	0.0	94	71173	0.6042	
100 2-Nitroaniline	65	7.959	7.959	0.001	80	19350	0.5596	
103 Dimethyl phthalate	163	8.098	8.098	0.0	96	87505	0.6985	
105 2,6-Dinitrotoluene	165	8.156	8.156	0.0	74	17381	0.9829	
107 Acenaphthylene	152	8.231	8.231	0.0	91	117609	0.6044	
108 3-Nitroaniline	138	8.301	8.301	0.0	91	12294	0.3920	
110 Acenaphthene	153	8.376	8.376	0.0	95	79225	0.6771	
109 2,4-Dinitrophenol	184		8.386					
111 4-Nitrophenol	109	8.424	8.424	0.0	83	7196	0.3984	
112 2,4-Dinitrotoluene	165	8.493	8.493	0.0	83	19526	0.8368	
114 Dibenzofuran	168	8.520	8.520	0.0	81	107289	0.6178	
119 Diethyl phthalate	149	8.686	8.686	0.0	96	86561	0.6609	
121 4-Chlorophenyl phenyl ether	204	8.798	8.798	0.0	89	45153	0.6844	
124 Fluorene	166	8.809	8.809	0.0	91	87048	0.6242	
123 4-Nitroaniline	138	8.809	8.814	-0.005	62	14678	0.6942	
126 4,6-Dinitro-2-methylphenol	198	8.841	8.836	0.005	1	1818	0.7315	
130 N-Nitrosodiphenylamine	169	8.895	8.895	0.001	0	61805	0.5942	
137 4-Bromophenyl phenyl ether	248	9.210	9.210	0.0	67	25186	0.6547	
139 Hexachlorobenzene	284	9.274	9.274	0.0	83	28335	0.7152	
141 Pentachlorophenol	266	9.435	9.435	0.0	42	4047	0.5273	
146 Phenanthrene	178	9.622	9.622	0.0	89	140045	0.6796	
147 Anthracene	178	9.665	9.665	0.0	97	124896	0.6101	
149 Carbazole	167	9.793	9.793	0.0	82	129746	0.6524	
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	99	142406	0.6376	
157 Fluoranthene	202	10.622	10.622	0.0	97	152592	0.6705	
160 Pyrene	202	10.820	10.820	0.0	97	154663	0.6172	
166 Butyl benzyl phthalate	149	11.387	11.387	0.0	92	56490	0.6836	
173 3,3'-Dichlorobenzidine	252	11.997	11.997	0.0	43	21969	0.4467	
171 Bis(2-ethylhexyl) phthalate	149	12.018	12.018	0.0	96	66116	0.6497	
175 Benzo[a]anthracene	228	12.040	12.040	0.0	93	145098	0.6621	
176 Chrysene	228	12.088	12.088	0.0	91	151465	0.7252	
178 Di-n-octyl phthalate	149	12.879	12.879	0.0	97	81489	0.6879	
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	93	111732	0.5530	
181 Benzo[k]fluoranthene	252	13.510	13.510	0.0	84	137900	0.6281	
182 Benzo[a]pyrene	252	13.949	13.954	-0.005	72	103032	0.6171	
186 Indeno[1,2,3-cd]pyrene	276	15.618	15.628	-0.010	93	118040	0.6056	
187 Dibenz(a,h)anthracene	278	15.650	15.650	0.0	67	98836	0.6719	
188 Benzo[g,h,i]perylene	276	16.024	16.030	-0.006	89	117270	0.6467	

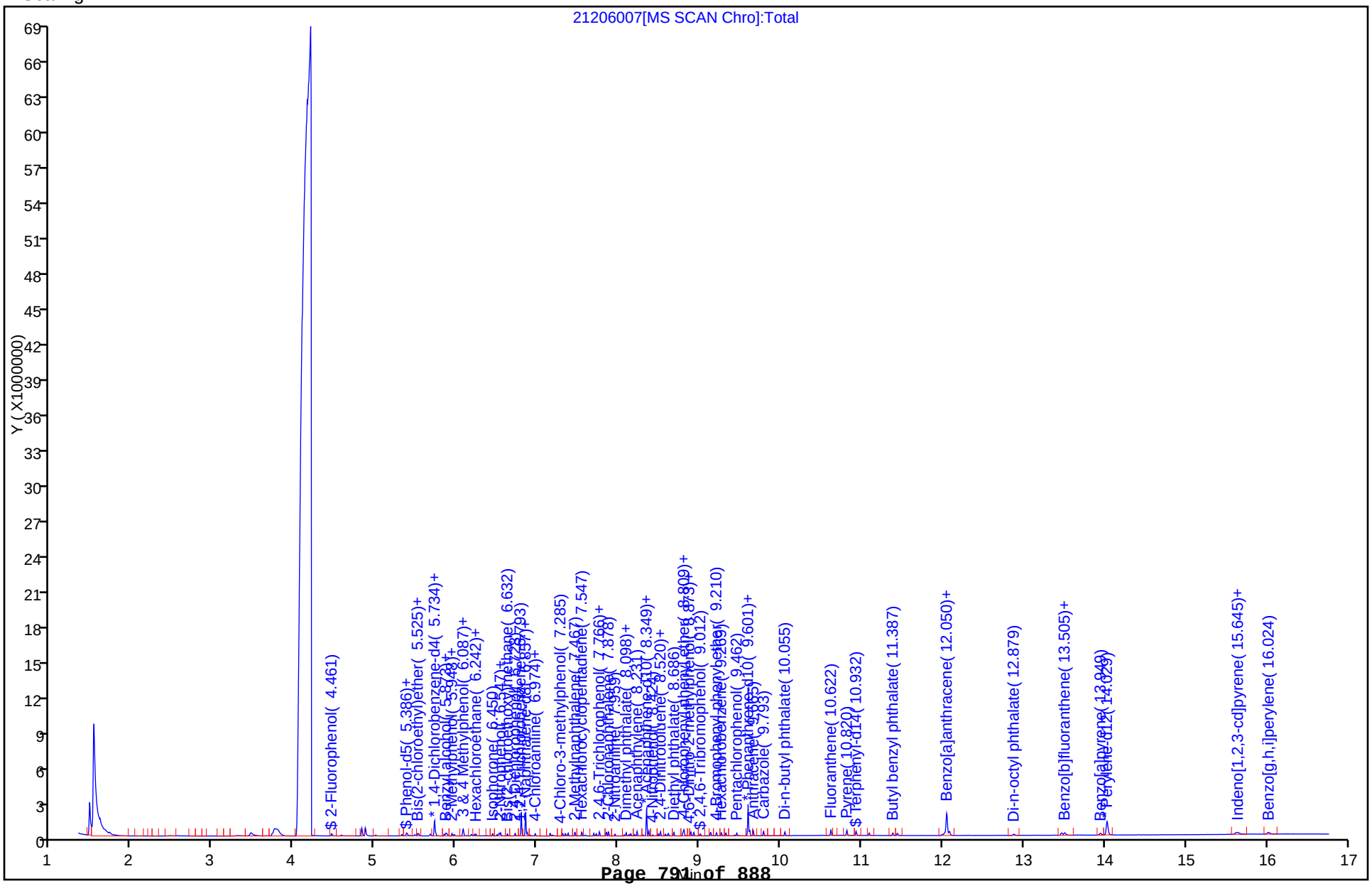
Report Date: 07-Dec-2012 12:54:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206007.D

Injection Date:	06-Dec-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	7
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO MSD | Lab Sample ID: 240-17810-7 MSD

Matrix: Solid | Lab File ID: 21206008.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.78(g) | Date Analyzed: 12/06/2012 11:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	484	D	67	33	33
208-96-8	Acenaphthylene	457	D	67	33	33
120-12-7	Anthracene	439	D	67	33	33
56-55-3	Benzo[a]anthracene	492	D	67	33	33
50-32-8	Benzo[a]pyrene	451	D	67	33	33
205-99-2	Benzo[b]fluoranthene	432	D	67	33	33
191-24-2	Benzo[g,h,i]perylene	474	D	67	33	33
65-85-0	Benzoic acid	3400	U	6600	3400	3400
207-08-9	Benzo[k]fluoranthene	413	D	67	33	33
100-51-6	Benzyl alcohol	431	J D	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	471	J D	1000	270	220
111-44-4	Bis(2-chloroethyl)ether	467	J D	1000	33	20
108-60-1	bis (2-chloroisopropyl) ether	442	J D	1000	270	96
117-81-7	Bis(2-ethylhexyl) phthalate	465	J D	500	270	190
101-55-3	4-Bromophenyl phenyl ether	511	D	500	270	130
85-68-7	Butyl benzyl phthalate	464	J D	500	270	100
86-74-8	Carbazole	453	J D	500	270	270
106-47-8	4-Chloroaniline	183	D J	1500	270	170
59-50-7	4-Chloro-3-methylphenol	462	J D	1500	270	210
91-58-7	2-Chloronaphthalene	468	J D	500	33	33
95-57-8	2-Chlorophenol	489	J D	500	270	270
7005-72-3	4-Chlorophenyl phenyl ether	469	J D	500	270	130
218-01-9	Chrysene	498	D	67	33	11
53-70-3	Dibenz(a,h)anthracene	498	D	67	33	33
132-64-9	Dibenzofuran	491	J D	500	33	33
95-50-1	1,2-Dichlorobenzene	439	J D	500	270	98
541-73-1	1,3-Dichlorobenzene	436	J D	500	270	110
106-46-7	1,4-Dichlorobenzene	447	J D	500	270	200
91-94-1	3,3'-Dichlorobenzidine	335	J D	1000	810	180
120-83-2	2,4-Dichlorophenol	463	J D	1500	270	200
84-66-2	Diethyl phthalate	482	J D	500	270	160
105-67-9	2,4-Dimethylphenol	419	J D	1500	810	200
131-11-3	Dimethyl phthalate	511	D	500	270	170
84-74-2	Di-n-butyl phthalate	450	J D	500	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO MSD | Lab Sample ID: 240-17810-7 MSD

Matrix: Solid | Lab File ID: 21206008.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.78(g) | Date Analyzed: 12/06/2012 11:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	810	U	1500	810	810
51-28-5	2,4-Dinitrophenol	1560	D J	3300	810	810
121-14-2	2,4-Dinitrotoluene	568	J D	2000	270	270
606-20-2	2,6-Dinitrotoluene	692	J D	2000	270	210
117-84-0	Di-n-octyl phthalate	474	J D	500	270	270
206-44-0	Fluoranthene	484	D	67	33	33
86-73-7	Fluorene	493	D	67	33	33
118-74-1	Hexachlorobenzene	511	D	67	33	21
87-68-3	Hexachlorobutadiene	467	J D	500	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	409	J D	500	270	91
193-39-5	Indeno[1,2,3-cd]pyrene	473	D	67	33	33
78-59-1	Isophorone	478	J D	500	270	130
91-57-6	2-Methylnaphthalene	501	D	67	33	33
95-48-7	2-Methylphenol	810	U	2000	810	810
15831-10-4	3 & 4 Methylphenol	930	J D	4000	810	200
91-20-3	Naphthalene	480	D	67	33	33
88-74-4	2-Nitroaniline	414	J D	2000	270	92
99-09-2	3-Nitroaniline	341	J D	2000	810	160
100-01-6	4-Nitroaniline	492	J D	2000	270	260
98-95-3	Nitrobenzene	452	J D	1000	33	22
88-75-5	2-Nitrophenol	587	D	500	270	270
100-02-7	4-Nitrophenol	810	U	3300	810	810
621-64-7	N-Nitrosodi-n-propylamine	437	J D	500	270	270
86-30-6	N-Nitrosodiphenylamine	452	J D	500	270	210
87-86-5	Pentachlorophenol	810	U	1500	810	810
85-01-8	Phenanthrene	488	D	67	33	33
108-95-2	Phenol	481	J D	500	270	270
129-00-0	Pyrene	453	D	67	33	33
120-82-1	1,2,4-Trichlorobenzene	457	J D	500	270	270
95-95-4	2,4,5-Trichlorophenol	445	J D	1500	270	250
88-06-2	2,4,6-Trichlorophenol	810	U	1500	810	810

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17810-1

SDG No.:

Client Sample ID: 076SB-0074M-0001-SO MSD | Lab Sample ID: 240-17810-7 MSD

Matrix: Solid | Lab File ID: 21206008.D

Analysis Method: 8270C/DoD | Date Collected: 11/16/2012 09:35

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.78(g) | Date Analyzed: 12/06/2012 11:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67544 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	62		35-100
4165-62-2	Phenol-d5 (Surr)	68		40-100
1718-51-0	Terphenyl-d14 (Surr)	72		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	65		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206008.D
Lims ID: 240-17810-E-7-D MSD Client ID:
Inject. Date: 06-Dec-2012 11:41:30 Dil. Factor: 10.0000
Sample Type: MSD
Sample ID: 240-0015580-008
Misc. Info.: 240-17810-e-7-d msd
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 67544 Lims Sample ID: 8
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\8270_hp7.m
Last Update: 07-Dec-2012 12:54:13 Calib Date: 14-Nov-2012 18:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP7\20121114-14953.b\21114010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK034

First Level Reviewer: gruberj Date: 06-Dec-2012 10:47:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.733	5.733	0.0	95	195737	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	743955	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	93	436432	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	97	778261	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	98	802219	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	97	647006	4.00	
$ 7 2-Fluorophenol	112	4.466	4.434	0.032	93	60575	1.00	
$ 8 Phenol-d5	99	5.386	5.380	0.006	89	78901	1.03	
$ 9 Nitrobenzene-d5	82	6.225	6.226	-0.001	87	40506	0.6193	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	98	95243	0.6727	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	78	17647	0.9774	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	99	107224	0.7217	
41 Phenol	94	5.396	5.391	0.005	98	58696	0.7167	
44 Bis(2-chloroethyl)ether	93	5.487	5.487	0.0	95	44031	0.6960	
46 2-Chlorophenol	128	5.535	5.536	-0.001	92	48159	0.7278	
47 1,3-Dichlorobenzene	146	5.680	5.680	0.0	96	46314	0.6494	
48 1,4-Dichlorobenzene	146	5.749	5.750	-0.001	76	47176	0.6659	
49 Benzyl alcohol	108	5.851	5.851	0.0	89	26162	0.6417	
50 1,2-Dichlorobenzene	146	5.888	5.883	0.005	91	44188	0.6542	
51 2-Methylphenol	108	5.947	5.947	0.0	92	42330	0.7090	
52 2,2'-oxybis[1-chloropropane]	45	5.974	5.974	0.0	88	61115	0.6583	
191 3 & 4 Methylphenol	108	6.081	6.081	0.0	92	86659	1.38	
56 N-Nitrosodi-n-propylamine	70	6.086	6.086	0.0	83	28857	0.6510	
60 Hexachloroethane	117	6.188	6.188	0.0	88	17542	0.6092	
61 Nitrobenzene	77	6.241	6.242	-0.001	83	45518	0.6733	
63 Isophorone	82	6.450	6.450	0.0	95	84491	0.7120	
65 2-Nitrophenol	139	6.525	6.520	0.005	81	27806	0.8741	
64 2,4-Dimethylphenol	107	6.546	6.546	0.0	86	38995	0.6236	
69 Benzoic acid	122		6.616					9
68 Bis(2-chloroethoxy)methane	93	6.632	6.632	0.0	99	52820	0.7008	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.728	6.728	0.0	92	34099	0.6900	
72 1,2,4-Trichlorobenzene	180	6.803	6.803	0.0	45	40133	0.6809	
73 Naphthalene	128	6.873	6.873	0.0	94	132964	0.7153	
74 4-Chloroaniline	127	6.915	6.916	-0.001	81	21559	0.2721	
77 Hexachlorobutadiene	225	6.974	6.974	0.0	86	22204	0.6955	
84 4-Chloro-3-methylphenol	107	7.311	7.311	0.0	91	36510	0.6878	
85 2-Methylnaphthalene	142	7.466	7.466	0.0	85	88620	0.7453	
88 Hexachlorocyclopentadiene	237	7.595	7.595	0.0	85	9996	0.2826	
90 2,4,6-Trichlorophenol	196	7.696	7.696	0.0	85	24002	0.6525	
91 2,4,5-Trichlorophenol	196	7.728	7.729	0.0	94	26248	0.6623	
98 2-Chloronaphthalene	162	7.878	7.878	0.0	94	84015	0.6971	
100 2-Nitroaniline	65	7.958	7.959	0.0	84	21811	0.6165	
103 Dimethyl phthalate	163	8.097	8.098	-0.001	98	97502	0.7607	
105 2,6-Dinitrotoluene	165	8.156	8.156	0.0	79	19227	1.03	
107 Acenaphthylene	152	8.231	8.231	0.0	95	135414	0.6802	
108 3-Nitroaniline	138	8.301	8.301	0.0	90	16286	0.5076	
110 Acenaphthene	153	8.376	8.376	0.0	91	86316	0.7210	
109 2,4-Dinitrophenol	184	8.392	8.386	0.006	1	826	2.32	
111 4-Nitrophenol	109	8.424	8.424	0.0	88	7283	0.3941	
112 2,4-Dinitrotoluene	165	8.493	8.493	0.0	82	20338	0.8456	
114 Dibenzofuran	168	8.520	8.520	0.0	88	130028	0.7318	
119 Diethyl phthalate	149	8.686	8.686	0.0	98	96119	0.7173	
121 4-Chlorophenyl phenyl ether	204	8.798	8.798	0.0	90	47113	0.6979	
124 Fluorene	166	8.809	8.809	0.0	93	104817	0.7346	
123 4-Nitroaniline	138	8.809	8.814	-0.005	60	16390	0.7318	
126 4,6-Dinitro-2-methylphenol	198	8.836	8.836	0.0	45	4422	0.8264	
130 N-Nitrosodiphenylamine	169	8.894	8.895	0.0	0	72277	0.6734	
137 4-Bromophenyl phenyl ether	248	9.210	9.210	0.0	64	30175	0.7602	
139 Hexachlorobenzene	284	9.269	9.274	-0.005	87	31098	0.7608	
141 Pentachlorophenol	266	9.435	9.435	0.0	75	8213	0.6735	
146 Phenanthrene	178	9.622	9.622	0.0	88	154643	0.7273	
147 Anthracene	178	9.665	9.665	0.0	97	138171	0.6541	
149 Carbazole	167	9.793	9.793	0.0	82	138469	0.6748	
151 Di-n-butyl phthalate	149	10.055	10.055	0.0	100	154499	0.6704	
157 Fluoranthene	202	10.622	10.622	0.0	97	169336	0.7212	
160 Pyrene	202	10.820	10.820	0.0	97	172621	0.6744	
166 Butyl benzyl phthalate	149	11.387	11.387	0.0	96	58426	0.6905	
173 3,3'-Dichlorobenzidine	252	11.997	11.997	0.0	52	27183	0.4992	
171 Bis(2-ethylhexyl) phthalate	149	12.018	12.018	0.0	97	73776	0.6919	
175 Benzo[a]anthracene	228	12.039	12.040	-0.001	93	163845	0.7319	
176 Chrysene	228	12.082	12.088	-0.006	92	158091	0.7409	
178 Di-n-octyl phthalate	149	12.879	12.879	0.0	94	87524	0.7064	
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	92	132892	0.6439	
181 Benzo[k]fluoranthene	252	13.510	13.510	0.0	96	137986	0.6152	
182 Benzo[a]pyrene	252	13.949	13.954	-0.005	66	116648	0.6716	
186 Indeno[1,2,3-cd]pyrene	276	15.618	15.628	-0.010	97	143208	0.7039	
187 Dibenz(a,h)anthracene	278	15.650	15.650	0.0	84	115061	0.7421	
188 Benzo[g,h,i]perylene	276	16.024	16.030	-0.006	93	130859	0.7064	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

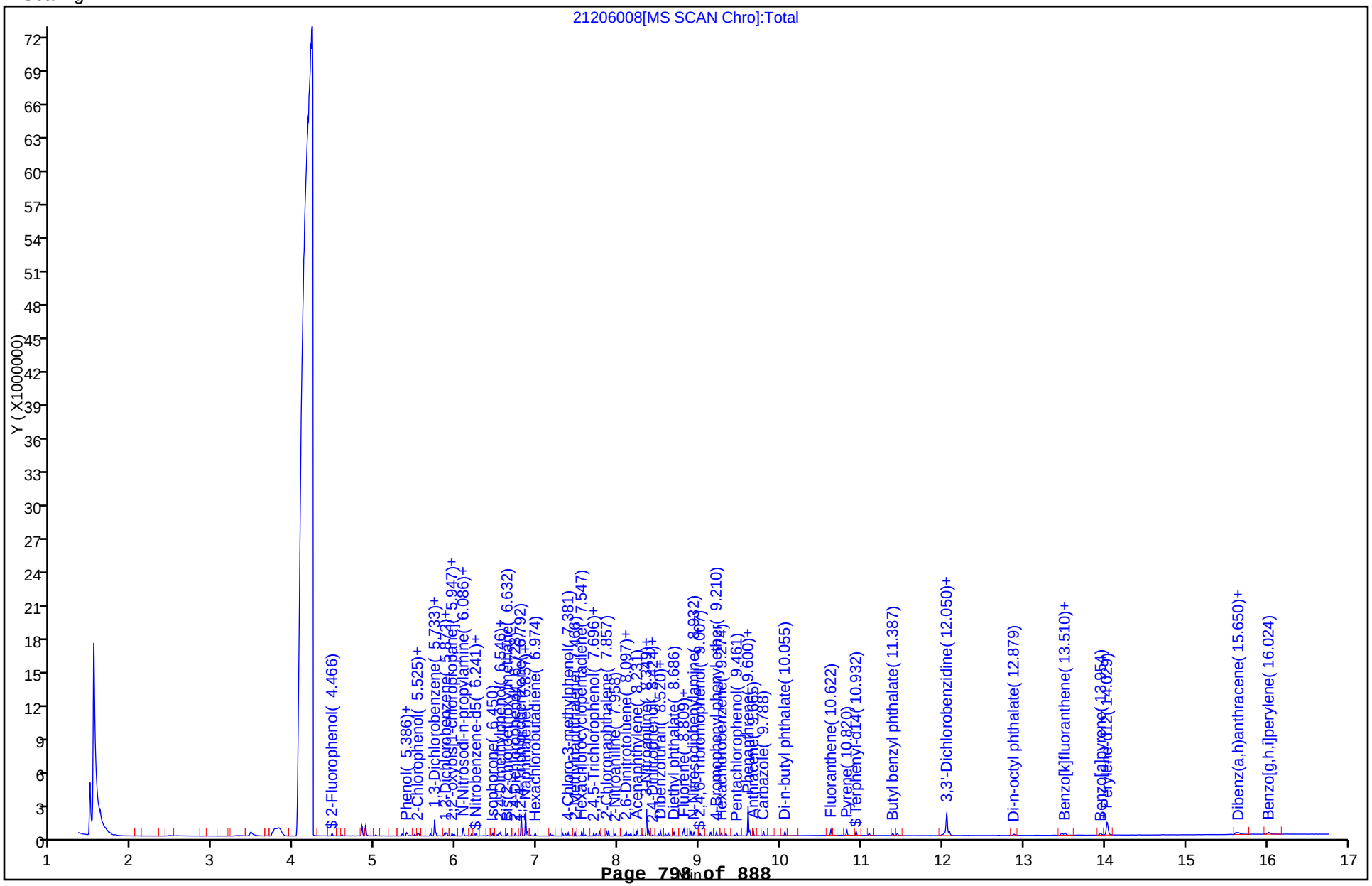
Report Date: 07-Dec-2012 12:54:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206008.D

Injection Date:	06-Dec-2012 11:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A4HP7 Start Date: 11/07/2012 11:21

Analysis Batch Number: 64102 End Date: 11/07/2012 14:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-64102/1		11/07/2012 11:21	1	21107001.D	RXI-5SILMS 0.45(mm)
STD5 240-64102/2 IC		11/07/2012 11:44	1	21107002.D	RXI-5SILMS 0.45(mm)
STD4 240-64102/3 IC		11/07/2012 12:07	1	21107003.D	RXI-5SILMS 0.45(mm)
STD3 240-64102/4 IC		11/07/2012 12:31	1	21107004.D	RXI-5SILMS 0.45(mm)
STD2 240-64102/5 IC		11/07/2012 12:54	1	21107005.D	RXI-5SILMS 0.45(mm)
STD1 240-64102/6 IC		11/07/2012 13:18	1	21107006.D	RXI-5SILMS 0.45(mm)
STD9 240-64102/7 IC		11/07/2012 13:41	1	21107007.D	RXI-5SILMS 0.45(mm)
STD8 240-64102/8 IC		11/07/2012 14:05	1	21107008.D	RXI-5SILMS 0.45(mm)
STD7 240-64102/9 IC		11/07/2012 14:28	1	21107009.D	RXI-5SILMS 0.45(mm)
STD6 240-64102/10 ICIS		11/07/2012 14:51	1	21107010.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A4HP7 Start Date: 11/21/2012 11:18

Analysis Batch Number: 65876 End Date: 11/21/2012 22:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-65876/1		11/21/2012 11:18	1	21121001.D	RXI-5SILMS 0.45(mm)
CCV 240-65876/2		11/21/2012 11:41	1		RXI-5SILMS 0.45(mm)
ICV 240-65876/3		11/21/2012 12:04	1	21121003.D	RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 12:28	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 12:51	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 13:15	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 13:38	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 14:01	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 14:25	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 14:48	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 15:12	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 15:35	5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 15:59	5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 16:22	5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 16:46	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 17:09	12.5		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 17:33	1		RXI-5SILMS 0.45(mm)
mdll1 LODV		11/21/2012 17:56	1		RXI-5SILMS 0.45(mm)
mdll2 LODV		11/21/2012 18:20	1		RXI-5SILMS 0.45(mm)
mdll3 LODV		11/21/2012 18:43	1		RXI-5SILMS 0.45(mm)
mdll4 LODV		11/21/2012 19:06	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 19:29	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 19:53	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 20:16	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 20:39	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 21:02	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 21:26	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 21:49	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 22:12	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 22:35	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/21/2012 22:58	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/06/2012 08:55

Analysis Batch Number: 67544 End Date: 12/06/2012 19:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-67544/1		12/06/2012 08:55	1	21206001.D	RXI-5SILMS 0.45(mm)
CCV 240-67544/2		12/06/2012 09:18	1	21206002.D	RXI-5SILMS 0.45(mm)
MRL 240-67544/3		12/06/2012 09:41	1	21206003.D	RXI-5SILMS 0.45(mm)
MB 240-66569/21-A		12/06/2012 10:08	1	21206004.D	RXI-5SILMS 0.45(mm)
LCS 240-66569/22-A		12/06/2012 10:31	1	21206005.D	RXI-5SILMS 0.45(mm)
240-17810-7	076SB-0074M-0001-SO	12/06/2012 10:55	10	21206006.D	RXI-5SILMS 0.45(mm)
240-17810-7 MS	076SB-0074M-0001-SO MS	12/06/2012 11:18	10	21206007.D	RXI-5SILMS 0.45(mm)
240-17810-7 MSD	076SB-0074M-0001-SO MSD	12/06/2012 11:41	10	21206008.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 12:04	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 12:27	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 12:51	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 13:14	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 13:37	10		RXI-5SILMS 0.45(mm)
240-17810-1	076SB-0068M-0001-SO	12/06/2012 14:00	10	21206014.D	RXI-5SILMS 0.45(mm)
240-17810-3	076SB-0070M-0001-SO	12/06/2012 14:23	10	21206015.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 14:47	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 15:10	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 15:33	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 15:56	2.5		RXI-5SILMS 0.45(mm)
240-17810-2	076SB-0069M-0001-SO	12/06/2012 16:43	2.5	21206021.D	RXI-5SILMS 0.45(mm)
240-17810-4	076SB-0071M-0001-SO	12/06/2012 17:06	2.5	21206022.D	RXI-5SILMS 0.45(mm)
240-17810-5	076SB-0072M-0001-SO	12/06/2012 17:30	2.5	21206023.D	RXI-5SILMS 0.45(mm)
240-17810-6	076SB-0073M-0001-SO	12/06/2012 17:53	2.5	21206024.D	RXI-5SILMS 0.45(mm)
MRL 240-67544/25		12/06/2012 18:16	1	21206025.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		12/06/2012 18:39	1	21206026.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		12/06/2012 19:03	1	21206027.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 66569 Batch Start Date: 11/28/12 14:10 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 11/29/12 06:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00030	EXBNASURRW 00020	EXRESTEKSPKW 00016	
240-17810-E-1-A	076SB-0068M-0001 -SO	3540C, 8270C/DoD	T	29.64 g	2 mL		1 mL		
240-17810-E-2-A	076SB-0069M-0001 -SO	3540C, 8270C/DoD	T	30.26 g	2 mL		1 mL		
240-17810-E-3-A	076SB-0070M-0001 -SO	3540C, 8270C/DoD	T	29.95 g	2 mL		1 mL		
240-17810-E-4-A	076SB-0071M-0001 -SO	3540C, 8270C/DoD	T	29.63 g	2 mL		1 mL		
240-17810-E-5-A	076SB-0072M-0001 -SO	3540C, 8270C/DoD	T	29.84 g	2 mL		1 mL		
240-17810-E-6-A	076SB-0073M-0001 -SO	3540C, 8270C/DoD	T	29.97 g	2 mL		1 mL		
240-17810-E-7-A	076SB-0074M-0001 -SO	3540C, 8270C/DoD	T	29.92 g	2 mL		1 mL		
240-17810-E-7-A MS	076SB-0074M-0001 -SO	3540C, 8270C/DoD	T	29.65 g	2 mL	1 mL	1 mL	1 mL	
240-17810-E-7-A MSD	076SB-0074M-0001 -SO	3540C, 8270C/DoD	T	29.78 g	2 mL	1 mL	1 mL	1 mL	
MB 240-66569/21		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-66569/22		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	b036
Na2SO4 Lot Number	677237
Prep Solvent Lot #	719012

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-17810-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
076SB-0068M-0001-SO	240-17810-1
076SB-0069M-0001-SO	240-17810-2
076SB-0070M-0001-SO	240-17810-3
076SB-0071M-0001-SO	240-17810-4
076SB-0072M-0001-SO	240-17810-5
076SB-0073M-0001-SO	240-17810-6
076SB-0074M-0001-SO	240-17810-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0068M-0001-SO
Lab Sample ID: 240-17810-1
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 09:40
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.015	0.095	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0069M-0001-SO
Lab Sample ID: 240-17810-2
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 09:40
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.025	0.094	0.031	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0070M-0001-SO
Lab Sample ID: 240-17810-3
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 09:25
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.026	0.098	0.032	0.014	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0071M-0001-SO
Lab Sample ID: 240-17810-4
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 09:15
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.023	0.11	0.037	0.016	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0072M-0001-SO
Lab Sample ID: 240-17810-5
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 09:05
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.032	0.091	0.030	0.013	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0073M-0001-SO
Lab Sample ID: 240-17810-6
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 09:00
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.029	0.11	0.036	0.015	mg/Kg	J		1	7471/DOD

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 076SB-0074M-0001-SO
Lab Sample ID: 240-17810-7
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 09:35
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Hg	0.024	0.10	0.034	0.014	mg/Kg	J		1	7471/DOD

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

ICV Source: MTHGICVW_00439 Concentration Units: ug/L

CCV Source: MTHGCALW_00286

Analyte	ICV 240-66945/7-A 11/30/2012 13:36				CCV 240-66945/10-A 11/30/2012 16:41				CCV 240-66945/10-A 11/30/2012 16:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	2.46		2.50	98	5.00		5.00	100	4.94		5.00	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

ICV Source: MTHGICVW_00439 Concentration Units: ug/L

CCV Source: MTHGCALW_00286

Analyte	CCV 240-66945/10-A 11/30/2012 17:16				CCV 240-66945/10-A 11/30/2012 17:24							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	4.94		5.00	99	4.93		5.00	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Method: 7471/DOD Instrument ID: H1

Lab Sample ID: CRA 240-66945/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00286

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.235		118	

Lab Sample ID: CRA 240-66945/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00286

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.220		110	

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-66945/8-A 11/30/2012 13:37		CCB 240-66945/11-A 11/30/2012 16:43		CCB 240-66945/11-A 11/30/2012 17:00		CCB 240-66945/11-A 11/30/2012 17:17	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-66945/11-A 11/30/2012 17:26							
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-66624/1-A

Instrument Code: H1 Batch No.: 67078

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.033	U		7471_DOD

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-66624/2-A

Lab Name: TestAmerica Canton Job No.: 240-17810-1

Sample Matrix: Solid LCS Source: MTHGICVW_00437

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.833	0.709		85	80	120		7471/DOD

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

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17810-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD DL Date: 02/16/2010 09:46

Prep Method: 7471A

Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Hg	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-17810-1

SDG Number:

Matrix: Solid Instrument ID: H1

Method: 7471/DOD XMDL Date: 02/16/2010 09:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Hg	253.7	0.2	0.12

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-66624/1-A	11/28/2012 14:55	66624	0.60		100
LCS 240-66624/2-A	11/28/2012 14:55	66624	0.60		100
240-17810-1	11/28/2012 14:55	66624	0.63		100
240-17810-2	11/28/2012 14:55	66624	0.64		100
240-17810-3	11/28/2012 14:55	66624	0.61		100
240-17810-4	11/28/2012 14:55	66624	0.54		100
240-17810-5	11/28/2012 14:55	66624	0.66		100
240-17810-6	11/28/2012 14:55	66624	0.55		100
240-17810-7	11/28/2012 14:55	66624	0.59		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/30/2012 13:25 End Date: 11/30/2012 17:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 240-66945/1-A			13:25	X																			
IC 240-66945/2-A			13:27	X																			
IC 240-66945/3-A			13:28	X																			
IC 240-66945/4-A			13:30	X																			
IC 240-66945/5-A			13:31	X																			
IC 240-66945/6-A			13:32	X																			
CRA 240-66945/9-A			13:35																				
ICV 240-66945/7-A	1		13:36	X																			
ICB 240-66945/8-A	1		13:37	X																			
CRA 240-66945/9-A	1		13:39	X																			
CCV 240-66945/10-A			14:17																				
CCB 240-66945/11-A			14:19																				
ZZZZZZ			14:20																				
ZZZZZZ			14:22																				
ZZZZZZ			14:23																				
ZZZZZZ			14:24																				
ZZZZZZ			14:26																				
ZZZZZZ			14:27																				
ZZZZZZ			14:28																				
ZZZZZZ			14:30																				
ZZZZZZ			14:31																				
ZZZZZZ			14:32																				
CCV 240-66945/10-A			14:34																				
CCB 240-66945/11-A			14:35																				
ZZZZZZ			14:36																				
ZZZZZZ			14:38																				
ZZZZZZ			14:39																				
ZZZZZZ			14:40																				
ZZZZZZ			14:42																				
ZZZZZZ			14:43																				
ZZZZZZ			14:45																				
ZZZZZZ			14:46																				
ZZZZZZ			14:47																				
ZZZZZZ			14:49																				
CCV 240-66945/10-A			14:50																				
CCB 240-66945/11-A			14:52																				
ZZZZZZ			14:53																				
ZZZZZZ			14:54																				
ZZZZZZ			14:56																				
ZZZZZZ			14:57																				
ZZZZZZ			14:58																				
ZZZZZZ			15:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/30/2012 13:25 End Date: 11/30/2012 17:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:02																				
ZZZZZZ			15:03																				
ZZZZZZ			15:04																				
ZZZZZZ			15:06																				
CCV 240-66945/10-A			15:07																				
CCB 240-66945/11-A			15:08																				
ZZZZZZ			15:10																				
ZZZZZZ			15:11																				
ZZZZZZ			15:13																				
ZZZZZZ			15:14																				
ZZZZZZ			15:15																				
ZZZZZZ			15:17																				
ZZZZZZ			15:18																				
ZZZZZZ			15:19																				
ZZZZZZ			15:20																				
ZZZZZZ			15:22																				
CCV 240-66945/10-A			15:23																				
CCB 240-66945/11-A			15:24																				
ZZZZZZ			15:26																				
ZZZZZZ			15:27																				
ZZZZZZ			15:29																				
ZZZZZZ			15:30																				
CCV 240-66945/10-A			15:32																				
CCB 240-66945/11-A			15:33																				
CCV 240-66945/10-A			15:35																				
CCB 240-66945/11-A			15:36																				
ZZZZZZ			15:38																				
ZZZZZZ			15:39																				
ZZZZZZ			15:40																				
ZZZZZZ			15:42																				
ZZZZZZ			15:43																				
ZZZZZZ			15:44																				
ZZZZZZ			15:46																				
ZZZZZZ			15:47																				
ZZZZZZ			15:48																				
ZZZZZZ			15:50																				
CCV 240-66945/10-A			15:51																				
CCB 240-66945/11-A			15:53																				
ZZZZZZ			15:54																				
ZZZZZZ			15:55																				
ZZZZZZ			15:57																				
ZZZZZZ			15:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/30/2012 13:25 End Date: 11/30/2012 17:26

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			15:59																					
ZZZZZZ			16:01																					
ZZZZZZ			16:02																					
ZZZZZZ			16:04																					
ZZZZZZ			16:05																					
ZZZZZZ			16:06																					
CCV 240-66945/10-A			16:08																					
CCB 240-66945/11-A			16:09																					
ZZZZZZ			16:11																					
ZZZZZZ			16:12																					
ZZZZZZ			16:13																					
ZZZZZZ			16:15																					
ZZZZZZ			16:16																					
ZZZZZZ			16:17																					
ZZZZZZ			16:19																					
ZZZZZZ			16:20																					
ZZZZZZ			16:22																					
ZZZZZZ			16:23																					
CCV 240-66945/10-A			16:25																					
CCB 240-66945/11-A			16:26																					
ZZZZZZ			16:28																					
ZZZZZZ			16:29																					
ZZZZZZ			16:30																					
ZZZZZZ			16:32																					
ZZZZZZ			16:33																					
ZZZZZZ			16:34																					
ZZZZZZ			16:36																					
ZZZZZZ			16:37																					
ZZZZZZ			16:39																					
ZZZZZZ			16:40																					
CCV 240-66945/10-A	1		16:41	X																				
CCB 240-66945/11-A	1		16:43	X																				
ZZZZZZ			16:44																					
ZZZZZZ			16:45																					
ZZZZZZ			16:47																					
ZZZZZZ			16:48																					
ZZZZZZ			16:50																					
ZZZZZZ			16:51																					
ZZZZZZ			16:53																					
ZZZZZZ			16:54																					
ZZZZZZ			16:55																					
MB 240-66624/1-A	1	T	16:57	X																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: H1 Method: 7471/DOD

Start Date: 11/30/2012 13:25 End Date: 11/30/2012 17:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCV 240-66945/10-A	1		16:58	X																			
CCB 240-66945/11-A	1		17:00	X																			
LCS 240-66624/2-A	1	T	17:01	X																			
ZZZZZZ			17:02																				
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
240-17810-1	1	T	17:10	X																			
240-17810-2	1	T	17:12	X																			
240-17810-3	1	T	17:13	X																			
240-17810-4	1	T	17:14	X																			
CCV 240-66945/10-A	1		17:16	X																			
CCB 240-66945/11-A	1		17:17	X																			
240-17810-5	1	T	17:18	X																			
240-17810-6	1	T	17:20	X																			
240-17810-7	1	T	17:21	X																			
CRA 240-66945/9-A	1		17:23	X																			
CCV 240-66945/10-A	1		17:24	X																			
CCB 240-66945/11-A	1		17:26	X																			

Prep Types

T = Total/NA

TestAmerica North Canton Hg Data Review Checklist

Run/Project Information:

Circle Methods used: (7470A / 245.1): 7471:

Run Date: 11/30/12 Analyst: DSH Instrument: H1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/ Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I

Analyst: [signature] Date/Time: 12/3/12 Reviewed from 13:25 to 17:26

Analyst: _____ Date/Time: _____ Reviewed from _____ to _____

Comments: Batch# 67078 DOD LCG

Level II

Reviewer: [signature] Date/Time: 12/3/2012 Reviewed from 13:25 to 17:26

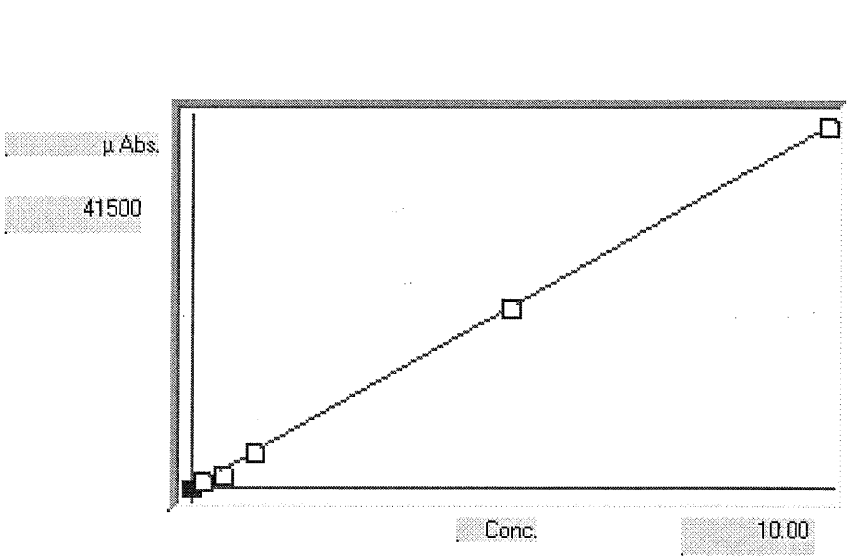
Reviewer: _____ Date/Time: _____ Reviewed from _____ to _____

Comments _____

Curve Date 11/30/12 Curve Time 9:37 - 10:07 DILUTION H20 00012

Revised 11/29/2012

Protocol: 1130AHG1



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.0309	.0309	42	0	41				
02	.20000	.2157	.0157	811	0%	810				
03	.50000	.4163	-.0837	1645	0%	1645				
04	1.0000	1.029	.0289	4196	0%	4195				
05	5.0000	5.016	.0163	20791	0%	20791				
06	10.000	9.992	-.0081	41500	0%	41500				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 13:25:32 30 Nov 12 HG

Hg .0000 ppb 41

*** Standard: 2 Rep: 1 Seq: 2 13:27:01 30 Nov 12 HG

Hg .2000 ppb 810

*** Standard: 3 Rep: 1 Seq: 3 13:28:21 30 Nov 12 HG

Hg .5000 ppb 1645

*** Standard: 4 Rep: 1 Seq: 4 13:30:11 30 Nov 12 HG

Hg 1.000 ppb 4195

*** Standard: 5 Rep: 1 Seq: 5 13:31:32 30 Nov 12 HG

Hg 5.000 ppb 20791

*** Standard: 6 Rep: 1 Seq: 6 13:32:59 30 Nov 12 HG

Hg 10.00 ppb 41500

Run out of order item below 12/3/12 DSH

*** Check Standard: 4 Ck4CRA\MRL Seq: 7 13:35:00 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		118.4	.2368	.2000	ppb	.0000

*** Check Standard: 2 Ck2ICV Seq: 8 13:36:31 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.42	2.460	2.500	ppb	.0000

*** Check Standard: 3 Ck3ICB Seq: 9 13:37:59 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		^^^^^^	.0244	.0000	ppb	.0000

*** Check Standard: 4 Ck4CRA\MRL Seq: 10 13:39:38 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		117.6	.2351	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 11 14:17:59 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.25	4.963	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 12 14:19:32 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0105	.2000	ppb	.0000

*** Sample ID: Seq: 13 14:20:57 30 Nov 12 HG

MB 240-66302/1-A

Hg .0287 ppb .0000 .0287

*** Sample ID: Seq: 14 14:22:12 30 Nov 12 HG

LCS 240-66302/2-A

Hg 4.785 ppb .0000 4.785

*** Sample ID: Seq: 15 14:23:33 30 Nov 12 HG

240-16580-A-17-B

Hg .2125 ppb .0000 .2125

*** Sample ID: Seq: 16 14:24:50 30 Nov 12 HG

240-16945-A-6-B

Hg .2149 ppb .0000 .2149

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 17	14:26:05 30 Nov 12	HG		
				240-17467-L-2-D				
Hg	1.859	ppb	.0000	1.859				
*** Sample ID:				Seq: 18	14:27:33 30 Nov 12	HG		
				240-17467-L-2-E DU				
Hg	1.923	ppb	.0000	1.923				
*** Sample ID:				Seq: 19	14:28:50 30 Nov 12	HG		
				240-17467-L-2-F MS				
Hg	2.463	ppb	.0000	2.463				
*** Sample ID:				Seq: 20	14:30:05 30 Nov 12	HG		
				240-17467-B-1-A@5				
Hg	4.990	ppb	.0000	4.990				
*** Sample ID:				Seq: 21	14:31:34 30 Nov 12	HG		
				240-17768-E-20-C				
Hg	.2234	ppb	.0000	.2234				
*** Sample ID:				Seq: 22	14:32:53 30 Nov 12	HG		
				240-17768-E-11-C				
Hg	.2101	ppb	.0000	.2101				

*** Check Standard: 6 Ck6CCV Seq: 23 14:34:10 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.7	5.035	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 24 14:35:35 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0167	.2000	ppb	.0000

*** Sample ID:				Seq: 25	14:36:56 30 Nov 12	HG		
				240-17768-E-10-C				
Hg	.1433	ppb	.0000	.1433				
*** Sample ID:				Seq: 26	14:38:12 30 Nov 12	HG		
				240-17768-E-12-C				
Hg	.1580	ppb	.0000	.1580				
*** Sample ID:				Seq: 27	14:39:32 30 Nov 12	HG		
				240-17768-E-22-C				
Hg	.2029	ppb	.0000	.2029				
*** Sample ID:				Seq: 28	14:40:58 30 Nov 12	HG		
				240-17768-E-19-C				
Hg	.2510	ppb	.0000	.2510				
*** Sample ID:				Seq: 29	14:42:15 30 Nov 12	HG		
				240-17768-E-17-C				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID:				Seq: 30	14:43:42 30 Nov 12	HG		
				240-17768-E-15-C				
Hg	.1873	ppb	.0000	.1873				
*** Sample ID:				Seq: 31	14:45:01 30 Nov 12	HG		
				240-17467-E-4-E				
Hg	3.917	ppb	.0000	3.917				
*** Sample ID:				Seq: 32	14:46:17 30 Nov 12	HG		
				240-17669-B-8-D				
Hg	.0227	ppb	.0000	.0227				

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 33	14:47:53 30 Nov 12	HG		
				240-17768-E-15-C				
Hg	.1916	ppb	.0000	.1916				
*** Sample ID:				Seq: 34	14:49:14 30 Nov 12	HG		
				240-17768-E-14-C				
Hg	.2419	ppb	.0000	.2419				
*** Check Standard: 6 Ck6CCV				Seq: 35	14:50:40 30 Nov 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.035	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 36	14:52:07 30 Nov 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0458	.2000	ppb	.0000			
*** Sample ID:				Seq: 37	14:53:24 30 Nov 12	HG		
				240-17768-E-23-C				
Hg	.1383	ppb	.0000	.1383				
*** Sample ID:				Seq: 38	14:54:51 30 Nov 12	HG		
				240-17768-E-9-C				
Hg	.2443	ppb	.0000	.2443				
*** Sample ID:				Seq: 39	14:56:09 30 Nov 12	HG		
				240-17768-E-21-C				
Hg	.2056	ppb	.0000	.2056				
*** Sample ID:				Seq: 40	14:57:26 30 Nov 12	HG		
				240-17768-E-13-C				
Hg	.2709	ppb	.0000	.2709				
*** Sample ID:				Seq: 41	14:58:42 30 Nov 12	HG		
				240-17768-E-18-C				
Hg	.2318	ppb	.0000	.2318				
*** Sample ID:				Seq: 42	15:00:38 30 Nov 12	HG		
				MB 240-65780/1-A				
Hg	-.0474	ppb	.0000	-.0474				
*** Sample ID:				Seq: 43	15:02:13 30 Nov 12	HG		
				LCS 240-65780/2-A				
Hg	4.236	ppb	.0000	4.236				
*** Sample ID:				Seq: 44	15:03:42 30 Nov 12	HG		
				240-17525-A-1-O				
Hg	.1554	ppb	.0000	.1554				
*** Sample ID:				Seq: 45	15:04:59 30 Nov 12	HG		
				240-17525-A-1-P DU				
Hg	.2849	ppb	.0000	.2849				
*** Sample ID:				Seq: 46	15:06:25 30 Nov 12	HG		
				240-17525-A-1-Q MS				
Hg	1.152	ppb	.0000	1.152				
*** Check Standard: 6 Ck6CCV				Seq: 47	15:07:41 30 Nov 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.7	5.036	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 48	15:08:56 30 Nov 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0158	.2000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 49	15:10:23 30 Nov 12	HG		
				240-17525-A-6-F				
Hg	.2495	ppb	.0000	.2495				
*** Sample ID:				Seq: 50	15:11:42 30 Nov 12	HG		
				240-17602-A-2-D				
Hg	.1318	ppb	.0000	.1318				
*** Sample ID:				Seq: 51	15:13:02 30 Nov 12	HG		
				240-17525-A-5-O				
Hg	.2700	ppb	.0000	.2700				
*** Sample ID:				Seq: 52	15:14:18 30 Nov 12	HG		
				240-17525-A-5-P DU				
Hg	.2123	ppb	.0000	.2123				
*** Sample ID:				Seq: 53	15:15:35 30 Nov 12	HG		
				240-17525-A-5-Q MS				
Hg	1.079	ppb	.0000	1.079				
*** Sample ID:				Seq: 54	15:17:03 30 Nov 12	HG		
				240-17602-A-5-D				
Hg	.1534	ppb	.0000	.1534				
*** Sample ID:				Seq: 55	15:18:20 30 Nov 12	HG		
				240-17602-A-6-D				
Hg	.1686	ppb	.0000	.1686				
*** Sample ID:				Seq: 56	15:19:38 30 Nov 12	HG		
				240-17602-A-10-D				
Hg	.0763	ppb	.0000	.0763				
*** Sample ID:				Seq: 57	15:20:55 30 Nov 12	HG		
				240-17602-A-4-D				
Hg	.1390	ppb	.0000	.1390				
*** Sample ID:				Seq: 58	15:22:16 30 Nov 12	HG		
				240-17525-A-2-I				
Hg	.6522	ppb	.0000	.6522				

*** Check Standard: 6 Ck6CCV Seq: 59 15:23:38 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.99	4.999	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 60 15:24:54 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0189	.2000	ppb	.0000

*** Sample ID:				Seq: 61	15:26:10 30 Nov 12	HG		
				240-17602-A-1-D				
Hg	.1902	ppb	.0000	.1902				
*** Sample ID:				Seq: 62	15:27:38 30 Nov 12	HG		
				240-17602-A-8-D				
Hg	.1525	ppb	.0000	.1525				
*** Sample ID:				Seq: 63	15:29:08 30 Nov 12	HG		
				240-17602-A-7-D				
Hg	.1527	ppb	.0000	.1527				
*** Sample ID:				Seq: 64	15:30:44 30 Nov 12	HG		
				240-17525-A-3-D				
Hg	.2861	ppb	.0000	.2861				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 65 15:32:01 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.7	5.034	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 66 15:33:16 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0023	.2000	ppb	.0000

*** Check Standard: 6 Ck6CCV Seq: 67 15:35:28 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.6	5.032	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 68 15:36:46 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0152	.2000	ppb	.0000

*** Sample ID: Seq: 69 15:38:12 30 Nov 12 HG
240-17525-A-4-D

Hg	.7409	ppb	.0000	.7409

*** Sample ID: Seq: 70 15:39:33 30 Nov 12 HG
240-17602-A-9-D

Hg	.1176	ppb	.0000	.1176

*** Sample ID: Seq: 71 15:40:48 30 Nov 12 HG
240-17602-A-3-D

Hg	.1578	ppb	.0000	.1578

*** Sample ID: Seq: 72 15:42:03 30 Nov 12 HG
MB 240-65940/1-A

Hg	-.0320	ppb	.0000	-.0320

*** Sample ID: Seq: 73 15:43:20 30 Nov 12 HG
LCS 240-65940/2-A

Hg	5.094	ppb	.0000	5.094

*** Sample ID: Seq: 74 15:44:36 30 Nov 12 HG
240-17602-E-11-F

Hg	.0223	ppb	.0000	.0223

*** Sample ID: Seq: 75 15:46:12 30 Nov 12 HG
240-17602-E-11-G DU

Hg	.1277	ppb	.0000	.1277

*** Sample ID: Seq: 76 15:47:28 30 Nov 12 HG
240-17602-E-11-H MS

Hg	.9698	ppb	.0000	.9698

*** Sample ID: Seq: 77 15:48:48 30 Nov 12 HG
240-17602-E-20-C

Hg	.0155	ppb	.0000	.0155

*** Sample ID: Seq: 78 15:50:09 30 Nov 12 HG
240-17602-E-16-D

Hg	.2159	ppb	.0000	.2159

*** Check Standard: 6 Ck6CCV Seq: 79 15:51:49 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.2	5.008	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 80 15:53:07 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0347	.2000	ppb	.0000

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 81		15:54:37 30 Nov 12		HG
				240-17602-E-12-D				
Hg	.1902	ppb	.0000	.1902				
*** Sample ID:				Seq: 82		15:55:54 30 Nov 12		HG
				240-17602-E-22-C				
Hg	.0295	ppb	.0000	.0295				
*** Sample ID:				Seq: 83		15:57:14 30 Nov 12		HG
				240-17602-E-21-C				
Hg	.1681	ppb	.0000	.1681				
*** Sample ID:				Seq: 84		15:58:30 30 Nov 12		HG
				240-17602-E-18-D				
Hg	.0172	ppb	.0000	.0172				
*** Sample ID:				Seq: 85		15:59:59 30 Nov 12		HG
				240-17669-B-3-D				
Hg	.1611	ppb	.0000	.1611				
*** Sample ID:				Seq: 86		16:01:24 30 Nov 12		HG
				240-17669-B-7-C				
Hg	.0235	ppb	.0000	.0235				
*** Sample ID:				Seq: 87		16:02:40 30 Nov 12		HG
				240-17602-E-17-D				
Hg	.1655	ppb	.0000	.1655				
*** Sample ID:				Seq: 88		16:04:00 30 Nov 12		HG
				240-17602-E-19-F				
Hg	.0391	ppb	.0000	.0391				
*** Sample ID:				Seq: 89		16:05:19 30 Nov 12		HG
				240-17669-B-6-D				
Hg	.2041	ppb	.0000	.2041				
*** Sample ID:				Seq: 90		16:06:40 30 Nov 12		HG
				240-17669-B-2-D				
Hg	.1304	ppb	.0000	.1304				

*** Check Standard: 6 Ck6CCV			Seq: 91		16:08:00 30 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.51	4.975	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB			Seq: 92		16:09:20 30 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.0116	.2000	ppb	.0000	

*** Sample ID:				Seq: 93		16:11:00 30 Nov 12		HG
				240-17602-E-14-D				
Hg	.1630	ppb	.0000	.1630				
*** Sample ID:				Seq: 94		16:12:19 30 Nov 12		HG
				240-17669-B-4-D				
Hg	.2137	ppb	.0000	.2137				
*** Sample ID:				Seq: 95		16:13:48 30 Nov 12		HG
				240-17602-E-13-D				
Hg	.1616	ppb	.0000	.1616				
*** Sample ID:				Seq: 96		16:15:23 30 Nov 12		HG
				240-17669-B-5-D				
Hg	.1866	ppb	.0000	.1866				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 97	16:16:40 30 Nov 12	HG		
				240-17669-B-1-D				
Hg	.1554	ppb	.0000	.1554				
*** Sample ID:				Seq: 98	16:17:58 30 Nov 12	HG		
				MB 240-66416/1-A				
Hg	.0066	ppb	.0000	.0066				
*** Sample ID:				Seq: 99	16:19:14 30 Nov 12	HG		
				LCS 240-66416/2-A				
Hg	4.608	ppb	.0000	4.608				
*** Sample ID:				Seq: 100	16:20:52 30 Nov 12	HG		
				240-17796-E-1-F				
Hg	.1993	ppb	.0000	.1993				
*** Sample ID:				Seq: 101	16:22:11 30 Nov 12	HG		
				240-17796-E-1-G DU				
Hg	.2339	ppb	.0000	.2339				
*** Sample ID:				Seq: 102	16:23:49 30 Nov 12	HG		
				240-17796-E-1-H MS				
Hg	1.183	ppb	.0000	1.183				

*** Check Standard: 6 Ck6CCV Seq: 103 16:25:16 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.4	5.018	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 104 16:26:43 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0254	.2000	ppb	.0000

*** Sample ID:				Seq: 105	16:28:00 30 Nov 12	HG		
				240-17796-E-24-D				
Hg	.1755	ppb	.0000	.1755				
*** Sample ID:				Seq: 106	16:29:20 30 Nov 12	HG		
				240-17796-B-10-E				
Hg	.2834	ppb	.0000	.2834				
*** Sample ID:				Seq: 107	16:30:52 30 Nov 12	HG		
				240-17796-E-8-D				
Hg	.2306	ppb	.0000	.2306				
*** Sample ID:				Seq: 108	16:32:12 30 Nov 12	HG		
				240-17796-B-15-E				
Hg	.0881	ppb	.0000	.0881				
*** Sample ID:				Seq: 109	16:33:33 30 Nov 12	HG		
				240-17796-B-11-E				
Hg	.1027	ppb	.0000	.1027				
*** Sample ID:				Seq: 110	16:34:59 30 Nov 12	HG		
				240-17796-B-12-E				
Hg	.1044	ppb	.0000	.1044				
*** Sample ID:				Seq: 111	16:36:18 30 Nov 12	HG		
				240-17796-B-14-E				
Hg	.1366	ppb	.0000	.1366				
*** Sample ID:				Seq: 112	16:37:35 30 Nov 12	HG		
				240-17796-E-4-D				
Hg	.1890	ppb	.0000	.1890				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 113	16:39:04 30 Nov 12	HG		
				240-17796-E-23-D				
Hg	.1044	ppb	.0000	.1044				
*** Sample ID:				Seq: 114	16:40:20 30 Nov 12	HG		
				240-17796-B-13-E				
Hg	.1373	ppb	.0000	.1373				
*** Check Standard: 6 Ck6CCV				Seq: 115	16:41:37 30 Nov 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.99	4.999	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 116	16:43:03 30 Nov 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.0059	.2000	ppb	.0000			
*** Sample ID:				Seq: 117	16:44:28 30 Nov 12	HG		
				240-17796-E-6-D				
Hg	.2623	ppb	.0000	.2623				
*** Sample ID:				Seq: 118	16:45:49 30 Nov 12	HG		
				240-17796-B-16-G				
Hg	.1133	ppb	.0000	.1133				
*** Sample ID:				Seq: 119	16:47:18 30 Nov 12	HG		
				240-17796-E-7-D				
Hg	.1568	ppb	.0000	.1568				
*** Sample ID:				Seq: 120	16:48:47 30 Nov 12	HG		
				240-17796-E-5-D				
Hg	.1751	ppb	.0000	.1751				
*** Sample ID:				Seq: 121	16:50:24 30 Nov 12	HG		
				240-17796-E-25-F				
Hg	.1417	ppb	.0000	.1417				
*** Sample ID:				Seq: 122	16:51:52 30 Nov 12	HG		
				240-17796-B-2-D				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID:				Seq: 123	16:53:09 30 Nov 12	HG		
				240-17796-E-22-D				
Hg	.1599	ppb	.0000	.1599				
*** Sample ID:				Seq: 124	16:54:29 30 Nov 12	HG		
				240-17796-B-9-E				
Hg	.1633	ppb	.0000	.1633				
*** Sample ID:				Seq: 125	16:55:46 30 Nov 12	HG		
				240-17796-E-3-D				
Hg	.1688	ppb	.0000	.1688				
*** Sample ID:				Seq: 126	16:57:06 30 Nov 12	HG		
				MB 240-66624/1-A				
Hg	.0420	ppb	.0000	.0420				
*** Check Standard: 6 Ck6CCV				Seq: 127	16:58:47 30 Nov 12	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.81	4.940	5.000	ppb	.0000		
*** Check Standard: 1 Ck1CCB				Seq: 128	17:00:03 30 Nov 12	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.0020	.2000	ppb	.0000			

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 129	17:01:23 30 Nov 12	HG		
				LCS 240-66624/2-A				
Hg	4.252	ppb	.0000	4.252				
*** Sample ID:				Seq: 130	17:02:44 30 Nov 12	HG		
				240-17796-E-26-F				
Hg	.1193	ppb	.0000	.1193				
*** Sample ID:				Seq: 131	17:04:31 30 Nov 12	HG		
				240-17796-E-26-G DU				
Hg	.1474	ppb	.0000	.1474				
*** Sample ID:				Seq: 132	17:06:01 30 Nov 12	HG		
				240-17796-E-26-H MS				
Hg	.9871	ppb	.0000	.9871				
*** Sample ID:				Seq: 133	17:07:37 30 Nov 12	HG		
				240-17796-E-27-D				
Hg	.1662	ppb	.0000	.1662				
*** Sample ID:				Seq: 134	17:09:00 30 Nov 12	HG		
				240-17796-B-28-D				
Hg	.2685	ppb	.0000	.2685				
*** Sample ID:				Seq: 135	17:10:16 30 Nov 12	HG		
				240-17810-E-1-D				
Hg	.0951	ppb	.0000	.0951				
*** Sample ID:				Seq: 136	17:12:03 30 Nov 12	HG		
				240-17810-E-2-D				
Hg	.1580	ppb	.0000	.1580				
*** Sample ID:				Seq: 137	17:13:20 30 Nov 12	HG		
				240-17810-E-3-D				
Hg	.1582	ppb	.0000	.1582				
*** Sample ID:				Seq: 138	17:14:38 30 Nov 12	HG		
				240-17810-E-4-D				
Hg	.1215	ppb	.0000	.1215				

*** Check Standard: 6 Ck6CCV Seq: 139 17:16:17 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.88	4.944	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 140 17:17:33 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0028	.2000	ppb	.0000

*** Sample ID:				Seq: 141	17:18:51 30 Nov 12	HG		
				240-17810-E-5-D				
Hg	.2140	ppb	.0000	.2140				
*** Sample ID:				Seq: 142	17:20:13 30 Nov 12	HG		
				240-17810-E-6-D				
Hg	.1570	ppb	.0000	.1570				
*** Sample ID:				Seq: 143	17:21:44 30 Nov 12	HG		
				240-17810-E-7-F				
Hg	.1438	ppb	.0000	.1438				
*** Sample ID:				Seq: 144	17:23:22 30 Nov 12	HG		
				CRA				
Hg	.2202	ppb	.0000	.2202				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCV Seq: 145 17:24:53 30 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.51	4.925	5.000	ppb	.0000

*** Check Standard: 1 Ck1CCB Seq: 146 17:26:31 30 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0215	.2000	ppb	.0000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 66624 Batch Start Date: 11/28/12 14:55 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 11/28/12 15:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00399	MTHGICVW 00437	MTKMnO4Liq 00006	
MB 240-66624/1		7471A, 7471/DOD		0.60 g	100 mL	5 mL		15 mL	
LCS 240-66624/2		7471A, 7471/DOD		0.60 g	100 mL	5 mL	1 mL	15 mL	
240-17810-E-1-A	076SB-0068M-0001-SO	7471A, 7471/DOD	T	0.63 g	100 mL	5 mL		15 mL	
240-17810-E-2-A	076SB-0069M-0001-SO	7471A, 7471/DOD	T	0.64 g	100 mL	5 mL		15 mL	
240-17810-E-3-A	076SB-0070M-0001-SO	7471A, 7471/DOD	T	0.61 g	100 mL	5 mL		15 mL	
240-17810-E-4-A	076SB-0071M-0001-SO	7471A, 7471/DOD	T	0.54 g	100 mL	5 mL		15 mL	
240-17810-E-5-A	076SB-0072M-0001-SO	7471A, 7471/DOD	T	0.66 g	100 mL	5 mL		15 mL	
240-17810-E-6-A	076SB-0073M-0001-SO	7471A, 7471/DOD	T	0.55 g	100 mL	5 mL		15 mL	
240-17810-E-7-A	076SB-0074M-0001-SO	7471A, 7471/DOD	T	0.59 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Pipette ID	432085-383364-383389
Digestion Tube/Cup Lot #	00053043

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 66945 Batch Start Date: 11/30/12 09:37 Batch Analyst: Heakin, David

Batch Method: 7471A Batch End Date: 11/30/12 10:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00401	MTHGCALW 00286	MTHGICVW 00439	MTKMnO4Liq 00006
ICV 240-66945/7		7471A, 7471/DOD		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-66945/8		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL
CRA 240-66945/9		7471A, 7471/DOD		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCV 240-66945/10		7471A, 7471/DOD		100 mL	100 mL	5 mL	5 mL		15 mL
CCB 240-66945/11		7471A, 7471/DOD		100 mL	100 mL	5 mL			15 mL

Batch Notes	
Pipette ID	383364, 383366
Digestion Tube/Cup Lot #	00052865

Basis	Basis Description

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17810-1

SDG No.:

Project: RVAAP - ECC

Client Sample ID	Lab Sample ID
076SB-0068M-0001-SO	240-17810-1
076SB-0069M-0001-SO	240-17810-2
076SB-0070M-0001-SO	240-17810-3
076SB-0071M-0001-SO	240-17810-4
076SB-0072M-0001-SO	240-17810-5
076SB-0073M-0001-SO	240-17810-6
076SB-0074M-0001-SO	240-17810-7
076SB-0076-0001-SO	240-17810-9
076SB-0077-0001-SO	240-17810-10
076SB-0078-0001-SO	240-17810-11
076SB-0079-0001-SO	240-17810-12
076SB-0080-0001-SO	240-17810-13
076SB-0081-0001-SO	240-17810-14
076SB-0082-0001-SO	240-17810-15
076SB-0083-0001-SO	240-17810-16
076SB-0084-0001-SO	240-17810-17
076SB-0085-0001-SO	240-17810-18
076SB-0086-0001-SO	240-17810-19
076SB-0087-0001-SO	240-17810-20
076SB-0088-0001-SO	240-17810-21
076SB-0089-0001-SO	240-17810-22

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0076-0001-SO
Lab Sample ID: 240-17810-9
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 11:45
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.33	0.80	0.80	0.27	mg/Kg	J		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0077-0001-SO
Lab Sample ID: 240-17810-10
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 12:00
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.61	0.80	0.80	0.27	mg/Kg	J		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0078-0001-SO
Lab Sample ID: 240-17810-11
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 12:15
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.80	0.80	0.80	0.27	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0079-0001-SO
Lab Sample ID: 240-17810-12
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 16:00
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.80	0.80	0.80	0.27	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0080-0001-SO
Lab Sample ID: 240-17810-13
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 15:25
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.80	0.80	0.80	0.27	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0081-0001-SO
Lab Sample ID: 240-17810-14
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 15:50
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.80	0.80	0.80	0.27	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0082-0001-SO
Lab Sample ID: 240-17810-15
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 14:00
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.80	0.80	0.80	0.27	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0083-0001-SO
Lab Sample ID: 240-17810-16
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 16:20
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.80	0.80	0.80	0.27	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0084-0001-SO
Lab Sample ID: 240-17810-17
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 16:50
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	1.8	4.0	4.0	1.4	mg/Kg	J	D	5	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0085-0001-SO
Lab Sample ID: 240-17810-18
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 17:00
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	1.4	4.0	4.0	1.4	mg/Kg	J	D	5	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0086-0001-SO
Lab Sample ID: 240-17810-19
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 12:45
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.80	0.80	0.80	0.27	mg/Kg	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0087-0001-SO
Lab Sample ID: 240-17810-20
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 17:20
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.50	0.80	0.80	0.27	mg/Kg	J		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0088-0001-SO
Lab Sample ID: 240-17810-21
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 16:40
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	7.1	20	20	6.8	mg/Kg	J	D	25	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 076SB-0089-0001-SO
Lab Sample ID: 240-17810-22
Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG ID.:
Matrix: Solid
Date Sampled: 11/16/2012 11:45
Reporting Basis: WET
Date Received: 11/17/2012 11:20

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Cr (VI)	0.45	0.80	0.80	0.27	mg/Kg	J		1	7196A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Analyst: LG Batch Start Date: 12/07/2012

Reporting Units: mg/Kg Analytical Batch No.: 67855

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	00:00	Cr (VI)	21.0	20.0	105	90-110		WCCHROME50PM2_00010
2	ICB	00:00	Cr (VI)	0.80				U	
6	CCV	14:30	Cr (VI)	20.5	20.0	103	90-110		WCCHROME50PPM_00009
7	CCB	14:30	Cr (VI)	0.80				U	
12	CCV	14:52	Cr (VI)	20.5	20.0	103	90-110		WCCHROME50PPM_00009
13	CCB	14:52	Cr (VI)	0.80				U	
16	CCV	15:08	Cr (VI)	20.3	20.0	102	90-110		WCCHROME50PPM_00009
17	CCB	15:08	Cr (VI)	0.80				U	
20	CCV	15:12	Cr (VI)	20.3	20.0	102	90-110		WCCHROME50PPM_00009
21	CCB	15:12	Cr (VI)	0.80				U	
24	CCV	15:17	Cr (VI)	20.0	20.0	100	90-110		WCCHROME50PPM_00009
25	CCB	15:17	Cr (VI)	0.80				U	
30	CCV	15:34	Cr (VI)	19.7	20.0	99	90-110		WCCHROME50PPM_00009
31	CCB	15:38	Cr (VI)	0.80				U	
33	CCV	15:46	Cr (VI)	19.5	20.0	98	90-110		WCCHROME50PPM_00009
34	CCB	15:46	Cr (VI)	0.80				U	
36	CCV	15:51	Cr (VI)	19.5	20.0	98	90-110		WCCHROME50PPM_00009
37	CCB	15:51	Cr (VI)	0.80				U	
48	CCV	15:59	Cr (VI)	19.5	20.0	98	90-110		WCCHROME50PPM_00009
49	CCB	15:59	Cr (VI)	0.80				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 67855	Date: 12/07/2012 00:00	Prep Batch: 67576	Date: 12/06/2012 14:30				
7196A	MB 240-67576/9-A	Cr (VI)	0.80	U	mg/Kg	0.80	1

FORM III-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 67855	Date: 12/07/2012 15:10		Prep Batch: 67576	Date: 12/06/2012 14:30				
7196A	076SB-0076-0001-SO	240-17810-9	Cr (VI)	0.33	mg/Kg			J
7196A	076SB-0076-0001-SO	240-17810-9 DU	Cr (VI)	0.373	mg/Kg	11		J

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE SOLUBLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 67855	Date: 12/07/2012 00:00		Prep Batch: 67576			Date: 12/06/2012 14:30					
						LCS Source: WCCHROME50PM2_00010					
7196A	LCSS 240-67576/10-A	Cr (VI)	21.0		mg/Kg	20.0	105	90-110			
Batch ID: 67855	Date: 12/07/2012 00:00		Prep Batch: 67576			Date: 12/06/2012 14:30					
						LCS Source: WCPBCHROMATE_00004					
7196A	LCSI 240-67576/11-A	Cr (VI)	551		mg/Kg	643	86	75-125			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17810-1

SDG Number:

Matrix: Solid Instrument ID: ERNIE-CR

Method: 7196A DL Date: 01/27/2010 16:56

Prep Method: 3060A

Leach Method: Increment, Prep

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Cr (VI)		0.8	0.27

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17810-1

SDG Number:

Matrix: Solid Instrument ID: ERNIE-CR

Method: 7196A XMDL Date: 01/27/2010 16:56

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Cr (VI)		0.8	0.27

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17810-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-17810-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Prep Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-67576/9-A	12/06/2012 14:30	67576	2.5		100
LCSS 240-67576/10-A	12/06/2012 14:30	67576	2.5		100
LCSI 240-67576/11-A	12/06/2012 14:30	67576	2.5		100
240-17810-9	12/06/2012 14:30	67576	2.5		100
240-17810-9 DU	12/06/2012 14:30	67576	2.5		100
240-17810-10	12/06/2012 14:30	67576	2.5		100
240-17810-11	12/06/2012 14:30	67576	2.5		100
240-17810-12	12/06/2012 14:30	67576	2.5		100
240-17810-13	12/06/2012 14:30	67576	2.5		100
240-17810-14	12/06/2012 14:30	67576	2.5		100
240-17810-15	12/06/2012 14:30	67576	2.5		100
240-17810-16	12/06/2012 14:30	67576	2.5		100
240-17810-17	12/06/2012 14:30	67576	2.5		100
240-17810-18	12/06/2012 14:30	67576	2.5		100
240-17810-19	12/06/2012 14:30	67576	2.5		100
240-17810-20	12/06/2012 14:30	67576	2.5		100
240-17810-21	12/06/2012 14:30	67576	2.5		100
240-17810-22	12/06/2012 14:30	67576	2.5		100

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: ERNIE-CR Method: 7196A

Start Date: 12/07/2012 00:00 End Date: 12/07/2012 15:59

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr6																			
ICV 240-67576/7-A	1		00:00	X																			
ICB 240-67576/8-A	1		00:00	X																			
MB 240-67576/9-A	1	T	00:00	X																			
LCSS 240-67576/10-A	1	T	00:00	X																			
LCSI 240-67576/11-A	1	T	00:00	X																			
CCV 240-67576/12-A	1		14:30	X																			
CCB 240-67576/13-A	1		14:30	X																			
ZZZZZZ			14:46																				
CCV 240-67576/12-A			14:46																				
CCB 240-67576/13-A			14:46																				
ZZZZZZ			14:52																				
CCV 240-67576/12-A	1		14:52	X																			
CCB 240-67576/13-A	1		14:52	X																			
ZZZZZZ			15:07																				
240-17810-9	1	T	15:08	X																			
CCV 240-67576/12-A	1		15:08	X																			
CCB 240-67576/13-A	1		15:08	X																			
240-17810-9 DU	1	T	15:10	X																			
240-17810-10	1	T	15:11	X																			
CCV 240-67576/12-A	1		15:12	X																			
CCB 240-67576/13-A	1		15:12	X																			
240-17810-11	1	T	15:16	X																			
240-17810-12	1	T	15:17	X																			
CCV 240-67576/12-A	1		15:17	X																			
CCB 240-67576/13-A	1		15:17	X																			
CCV 240-67576/12-A			15:27																				
CCB 240-67576/13-A			15:27																				
CCV 240-67576/12-A			15:31																				
CCB 240-67576/13-A			15:31																				
CCV 240-67576/12-A	1		15:34	X																			
CCB 240-67576/13-A	1		15:38	X																			
240-17810-20	1	T	15:45	X																			
CCV 240-67576/12-A	1		15:46	X																			
CCB 240-67576/13-A	1		15:46	X																			
240-17810-22	1	T	15:50	X																			
CCV 240-67576/12-A	1		15:51	X																			
CCB 240-67576/13-A	1		15:51	X																			
ZZZZZZ			15:58																				
ZZZZZZ			15:58																				
240-17810-13	1	T	15:58	X																			
240-17810-14	1	T	15:58	X																			
240-17810-15	1	T	15:58	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: ERNIE-CR Method: 7196A

Start Date: 12/07/2012 00:00 End Date: 12/07/2012 15:59

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr6																			
240-17810-16	1	T	15:58	X																			
240-17810-17	5	T	15:58	X																			
240-17810-18	5	T	15:58	X																			
240-17810-19	1	T	15:59	X																			
240-17810-21	25	T	15:59	X																			
CCV 240-67576/12-A	1		15:59	X																			
CCB 240-67576/13-A	1		15:59	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton

Job No.: 240-17810-1

SDG No.:

Instrument ID: NOEQUIP

Method: Moisture

Start Date: 11/29/2012 14:45

End Date: 11/29/2012 15:12

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
ZZZZZZ			14:45																				
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ZZZZZZ			14:45																				
ZZZZZZ			14:45																				
240-17810-1	1	T	14:45	X	X																		
240-17810-2	1	T	14:45	X	X																		
240-17810-3	1	T	14:45	X	X																		
240-17810-4	1	T	14:45	X	X																		
240-17810-5	1	T	14:45	X	X																		
240-17810-6 DU	1	T	14:45	X	X																		
240-17810-6	1	T	14:45	X	X																		
240-17810-7	1	T	14:45	X	X																		
ZZZZZZ			14:45																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG No.:
Instrument ID: NOEQUIP
Method: Moisture
Start Date: 11/29/2012 14:45
End Date: 11/29/2012 15:12

				Analytes																			
Lab Sample ID	D/F	Type	Time	%Sol	Moist																		
ZZZZZZ			14:45																				
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Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton
Job No.: 240-17810-1
SDG No.:
Instrument ID: NOEQUIP
Method: Moisture
Start Date: 12/07/2012 13:42
End Date: 12/07/2012 16:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
ZZZZZZ			13:42																				
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240-17810-10	1	T	13:42	X	X																		
240-17810-11	1	T	13:42	X	X																		
240-17810-9 DU	1	T	13:42	X	X																		
240-17810-9	1	T	13:42	X	X																		
240-17810-12	1	T	13:42	X	X																		
240-17810-13	1	T	13:42	X	X																		
240-17810-14	1	T	13:42	X	X																		
240-17810-15	1	T	13:42	X	X																		
240-17810-16	1	T	13:42	X	X																		
240-17810-17	1	T	13:42	X	X																		
240-17810-18	1	T	13:42	X	X																		
240-17810-20	1	T	13:42	X	X																		
240-17810-19 DU	1	T	13:42	X	X																		
240-17810-19	1	T	13:42	X	X																		
240-17810-21	1	T	13:42	X	X																		
240-17810-22	1	T	13:42	X	X																		
ZZZZZZ			13:42																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton

Job No.: 240-17810-1

SDG No.:

Instrument ID: NOEQUIP

Method: Moisture

Start Date: 12/07/2012 13:42

End Date: 12/07/2012 16:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/07/2012 13:42 End Date: 12/07/2012 16:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
ZZZZZZ			16:31																				
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Prep Types

T = Total/NA

TestAmerica, North Canton
3060A/7196A Cr+6 Solid Logsheet

Analysis	CR+6 - Soils	Prep Batch	67576		Spectrophotometer	
					SPEC 20	
Prep Date	12/06/12				Ernie	
					Wavelength	
Anal Date	12/07/12				540	
					RL	
Analyst	LG	Balance ID:	BO43		0.8 MG/KG	

Std No	Conc	ABS			
NA	0	0		Slope	0.6071
IC 240-67576/1-A	0.01	0.007		Intercept	0.0007
IC 240-67576/2-A	0.02	0.012		r	0.9999
IC 240-67576/3-A	0.10	0.061			
IC 240-67576/4-A	0.25	0.150			
IC 240-67576/5-A	0.50	0.311			
IC 240-67576/6-A	1.00	0.605			

Curve units mg/L

Sample No	ABS	Sample Vol	Final Vol	Dil			% Rec	Final Conc		
		in g	in ml		Std No	Spike TV		Analyte	in mg/kg	Time
ICV 240-67576/7-A	0.319	2.5	100	1		20	105%	Cr (VI)	20.9748	
ICB 240-67576/8-A	0.000	2.5	100	1				Cr (VI)	-0.0445	
MB 240-67576/9-A	0.000	2.5	100	1				Cr (VI)	-0.0445	
LCSS 240-67576/10-A	0.319	2.5	100	1		20	105%	Cr (VI)	20.9748	
LCSI 240-67576/11-A	0.168	2.5	100	50		644	86%	Cr (VI)	551.2624	

Sample No	Sample	Sample Abs.	Bgk Abs	Corr Abs	Spk Conc	Curve Info			Conc.in	Time
CCV 240-67576/12-A	2.500	0.312	2.5	100	1	20	103%	Cr (VI)	20.5136	14:30
CCB 240-67576/13-A	2.500	0.000	2.5	100	1			Cr (VI)	-0.0445	14:30
240-18114-B-8-D@5	2.5	0.136	0	0.136	0.00	Slope	0.00298	Cr (VI)	41.9514	14:44
	2.47	0.126	0	0.126	0.81	Intercept	0.12510			14:44
	2.55	0.125	0	0.125	3.92	r	0.94552			14:45
	2.55	0.186	0	0.186	19.61					14:45
240-18114-B-9-D@5	2.48	0.158	0	0.158	0.00	Slope	0.00251	Cr (VI)	61.8525	14:46
	2.47	0.156	0	0.156	0.81	Intercept	0.15538			14:46
	2.46	0.164	0	0.164	4.07	r	0.99653			14:46

	2.5	0.206	0	0.206	20.00					14:46
CCV 240-67576/12-A	2.500	0.312	2.5	100	1	20	103%	Cr (VI)	20.5136	14:46
CCB 240-67576/13-A	2.500	0.000	2.5	100	1			Cr (VI)	-0.0445	14:46
240-18114-B-10-D@5	2.54	0.184	0	0.184	0.00	Slope	0.00303	Cr (VI)	57.4074	14:51
	2.51	0.171	0	0.171	0.80	Intercept	0.17373			14:51
	2.54	0.179	0	0.179	3.94	r	0.96522			14:51
	2.49	0.236	0	0.236	20.08					14:51
240-18114-B-11-D	2.51	0.184	0.001	0.183	0.00	Slope	0.01366	Cr (VI)	13.4316	14:52
	2.55	0.194	0.002	0.192	0.78	Intercept	0.18350			14:52
	2.52	0.241	0.000	0.241	3.97	r	0.99983			14:52
	2.52	0.454	0.000	0.454	19.84					14:52
CCV 240-67576/12-A	2.500	0.312	2.5	100	1	20	103%	Cr (VI)	20.5136	14:52
CCB 240-67576/13-A	2.500	0.000	2.5	100	1			Cr (VI)	-0.0445	14:52
240-18114-B-12-D	2.54	0.307	0.004	0.303	0.00	Slope	0.00954	Cr (VI)	30.8772	15:07
	2.52	0.298	0.005	0.293	0.79	Intercept	0.29446			15:07
	2.55	0.34	0.008	0.332	3.92	r	0.99673			15:07
	2.52	0.487	0.003	0.484	19.84					15:07
240-17810-D-9-C	2.52	0.001	0	0.001	0.00	Slope	0.01381	Cr (VI)	0.3345	15:08
	2.55	0.015	0	0.015	0.78	Intercept	0.00462			15:08
	2.54	0.064	0	0.064	3.94	r	0.99961			15:08
	2.48	0.282	0	0.282	20.16					15:08
CCV 240-67576/12-A	2.500	0.309	2.5	100.000	1	20	102%	Cr (VI)	20.3159	15:08
CCB 240-67576/13-A	2.500	0	2.5	100.000	1			Cr (VI)	-0.0445	15:08
240-17810-D-9-D DU	2.47	0.003	0	0.003	0.00	Slope	0.01567	Cr (VI)	0.3725	15:10
	2.51	0.029	0	0.029	0.80	Intercept	0.00584			15:11
	2.51	0.059	0	0.059	3.98	r	0.99834			15:11
	2.53	0.317	0	0.317	19.76					15:11
240-17810-C-10-B	2.5	0.007	0	0.007	0.00	Slope	0.01355	Cr (VI)	0.6133	15:11
	2.49	0.029	0	0.029	0.80	Intercept	0.00831			15:11
	2.47	0.053	0	0.053	4.05	r	0.99791			15:12
	2.49	0.282	0	0.282	20.08					15:12
CCV 240-67576/12-A	2.500	0.309	2.5	100.000	1	20	102%	Cr (VI)	20.3159	15:12
CCB 240-67576/13-A	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.0445	15:12
240-17810-C-11-B	2.47	0.003	0	0.003	0.00	Slope	0.01429	Cr (VI)	0.1304	15:16
	2.48	0.017	0	0.017	0.81	Intercept	0.00186			15:16
	2.51	0.053	0	0.053	3.98	r	0.99953			15:16
	2.55	0.283	0	0.283	19.61					15:16
240-17810-C-12-B	2.5	0.004	0.003	0.001	0.00	Slope	0.00318	Cr (VI)	0.0000	15:17
	2.5	0.005	0.003	0.002	0.80	Intercept	-0.00062			15:17
	2.5	0.016	0.006	0.010	4.00	r	0.99866			15:17

	2.48	0.068	0.004	0.064	20.16					15:17
CCV 240-67576/12-A	2.500	0.304	2.5	100.000	1	20	100%	Cr (VI)	19.9865	15:17
CCB 240-67576/13-A	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.0445	15:17
240-17810-C-13-B	2.5	0.004	0.003	0.001	0.00	Slope	0.00092	Cr (VI)	0.0000	15:24
	2.45	0.003	0.005	-0.002	0.82	Intercept	-0.00021			15:25
	2.52	0.008	0.003	0.005	3.97	r	0.97752			15:25
	2.51	0.024	0.006	0.018	19.92					15:25
240-17810-C-14-B	2.5	0.005	0.003	0.002	0.00	Slope	0.00189	Cr (VI)	0.0000	15:26
	2.55	0.011	0.006	0.005	0.78	Intercept	-0.00057			15:26
	2.45	0.005	0.006	-0.001	4.08	r	0.95506			15:26
	2.48	0.04	0.001	0.039	20.16					15:26
CCV 240-67576/12-A	2.500	0.301	2.5	100.000	1	20	99%	Cr (VI)	19.7888	15:27
CCB 240-67576/13-A	2.500	0	2.5	100.000	1			Cr (VI)	-0.0445	15:27
240-17810-C-15-B	2.46	0.008	0.007	0.001	0.00	Slope	0.00042	Cr (VI)	6.8237	15:29
	2.52	0.01	0.006	0.004	0.79	Intercept	0.00289			15:29
	2.51	0.011	0.005	0.006	3.98	r	0.93867			15:30
	2.51	0.013	0.002	0.011	19.92					15:30
240-17810-C-16-B	2.51	0.006	0.006	0.000	0.00	Slope	0.00186	Cr (VI)	0.0000	15:30
	2.55	0.029	0.003	0.026	0.78	Intercept	0.01193			15:30
	2.55	0.028	0.009	0.019	3.92	r	0.86867			15:31
	2.48	0.055	0.006	0.049	20.16					15:31
CCV 240-67576/12-A	2.500	0.301	2.5	100.000	1	20	99%	Cr (VI)	19.7888	15:31
CCB 240-67576/13-A	2.500	0	2.5	100.000	1			Cr (VI)	-0.0445	15:31
240-17810-C-17-B@5	2.51	0.006	0	0.006	0.00	Slope	0.00207	Cr (VI)	4.3312	15:31
	2.53	0.018	0	0.018	0.79	Intercept	0.00898			15:31
	2.55	0.012	0	0.012	3.92	r	0.96218			15:32
	2.51	0.051	0	0.051	19.92					15:31
240-17810-C-18-B@5	2.46	0.005	0	0.005	0.00	Slope	0.00139	Cr (VI)	5.4230	15:34
	2.51	0.013	0	0.013	0.80	Intercept	0.00753			15:34
	2.5	0.011	0	0.011	4.00	r	0.97065			15:34
	2.55	0.035	0	0.035	19.61					15:34
CCV 240-67576/12-A	2.500	0.3	2.5	100.000	1	20	99%	Cr (VI)	19.7229	15:34
CCB 240-67576/13-A	2.500	0	2.5	100.000	1			Cr (VI)	-0.0445	15:38
240-17810-C-19-B	2.55	0	0	0.000	0.00	Slope	0.00735	Cr (VI)	0.0000	15:43
	2.5	0.078	0	0.078	0.80	Intercept	0.03359			15:44
	2.48	0.059	0	0.059	4.03	r	0.91544			15:44
	2.55	0.177	0	0.177	19.61					15:45
240-17810-C-20-B	2.46	0.02	0	0.020	0.00	Slope	0.01338	Cr (VI)	0.5036	15:45
	2.46	0.015	0	0.015	0.81	Intercept	0.00674			15:45
	2.54	0.046	0	0.046	3.94	r	0.99609			15:46

	2.5	0.277	0	0.277	20.00					15:46
CCV 240-67576/12-A	2.500	0.297	2.5	100.000	1	20	98%	Cr (VI)	19.5252	15:46
CCB 240-67576/13-A	2.500	0	2.5	100.000	1			Cr (VI)	-0.0445	15:46
240-17810-C-21-B@10	2.49	0.025	0	0.025	0.00	Slope	0.00322	Cr (VI)	8.0677	15:48
	2.49	0.016	0	0.016	0.80	Intercept	0.02601			15:49
	2.55	0.055	0	0.055	3.92	r	0.92736			15:50
	2.53	0.087	0	0.087	19.76					15:50
240-17810-C-22-B	2.5	0.003	0	0.003	0.00	Slope	0.01166	Cr (VI)	0.4468	15:50
	2.55	0.011	0	0.011	0.78	Intercept	0.00521			15:50
	2.48	0.059	0	0.059	4.03	r	0.99912			15:51
	2.48	0.239	0	0.239	20.16					15:51
CCV 240-67576/12-A	2.500	0.297	2.5	100.000	1	20	98%	Cr (VI)	19.5252	15:51
CCB 240-67576/13-A	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.0445	15:51
240-18114-B-8-D@5	2.500	0.136	2.500	100.000	1			Cr (VI)	8.9167	15:58
240-18114-B-10-D@5	2.500	0.184	2.500	100.000	1			Cr (VI)	12.0795	15:58
240-17810-C-13-B	2.500	0.001	2.500	100.000	1			Cr (VI)	0.0214	15:58
240-17810-C-14-B	2.500	0.002	2.500	100.000	1			Cr (VI)	0.0873	15:58
240-17810-C-15-B	2.500	0.001	2.500	100.000	1			Cr (VI)	0.0214	15:58
240-17810-C-16-B	2.500	0	2.500	100.000	1			Cr (VI)	-0.0445	15:58
240-17810-C-17-B@5	2.500	0.006	2.500	100.000	1			Cr (VI)	0.3509	15:58
240-17810-C-18-B@5	2.500	0.005	2.500	100.000	1			Cr (VI)	0.2850	15:58
240-17810-C-19-B	2.500	0	2.500	100.000	1			Cr (VI)	-0.0445	15:59
240-17810-C-21-B@25	2.500	0.005	2.500	100.000	1			Cr (VI)	0.2850	15:59
CCV 240-67576/12-A	2.500	0.297	2.5	100.000	1	20	98%	Cr (VI)	19.5252	15:59
CCB 240-67576/13-A	2.500	0.000	2.5	100.000	1			Cr (VI)	-0.0445	15:59

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 67576 Batch Start Date: 12/06/12 14:30 Batch Analyst: Nicholas, Courtney

Batch Method: 3060A Batch End Date: 12/06/12 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WCCHROME50PM2 00010	WCCHROME50PPM 00009	WCPBCHROMATE 00004	
ICV 240-67576/7		3060A, 7196A		2.5 g	100 mL	1 mL			
ICB 240-67576/8		3060A, 7196A		2.5 g	100 mL				
MB 240-67576/9		3060A, 7196A		2.5 g	100 mL				
LCSS 240-67576/10		3060A, 7196A		2.5 g	100 mL	1 mL			
LCSI 240-67576/11		3060A, 7196A		2.5 g	100 mL			0.01 g	
CCV 240-67576/12		3060A, 7196A		2.5 g	100 mL		1 mL		
CCB 240-67576/13		3060A, 7196A		2.5 g	100 mL				
240-17810-D-9-A	076SB-0076-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-D-9-B DU	076SB-0076-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-10-A	076SB-0077-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-11-A	076SB-0078-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-12-A	076SB-0079-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-13-A	076SB-0080-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-14-A	076SB-0081-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-15-A	076SB-0082-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-16-A	076SB-0083-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-17-A	076SB-0084-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-18-A	076SB-0085-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-19-A	076SB-0086-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-20-A	076SB-0087-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-21-A	076SB-0088-0001-SO	3060A, 7196A	T	2.5 g	100 mL				
240-17810-C-22-A	076SB-0089-0001-SO	3060A, 7196A	T	2.5 g	100 mL				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 67576 Batch Start Date: 12/06/12 14:30 Batch Analyst: Nicholas, Courtney

Batch Method: 3060A Batch End Date: 12/06/12 15:30

Batch Notes	
Alkaline Digestion Solution Reagent ID	755604
Batch Comment	sand 358918, filters FC003081
First End time	15:30
Potassium Phosphate Buffer Reagent ID	755603
Lead Chromate Lot #	358971
Magnesium Chloride Lot Number	575382
First Start time	14:30
Ending Temperature	95 Celsius
Starting Temperature	95 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 67855 Batch Start Date: 12/07/12 14:30 Batch Analyst: Grossman, Lucas

Batch Method: 7196A Batch End Date: 12/07/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg					
ICV 240-67576/7-A		7196A		Color Resp. is Blank					
ICB 240-67576/8-A		7196A		Color Resp. is Blank					
MB 240-67576/9-A		7196A		Color Resp. is Blank					
LCSS 240-67576/10-A		7196A		Color Resp. is Blank					
LCSI 240-67576/11-A		7196A		Color Resp. is Blank					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					
240-17810-D-9-C	076SB-0076-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					
240-17810-D-9-D DU	076SB-0076-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-10-B	076SB-0077-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					
240-17810-C-11-B	076SB-0078-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-12-B	076SB-0079-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					
240-17810-C-20-B	076SB-0087-0001-SO	7196A	T	Color Resp. is Blank					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 67855 Batch Start Date: 12/07/12 14:30 Batch Analyst: Grossman, Lucas

Batch Method: 7196A Batch End Date: 12/07/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					
240-17810-C-22-B	076SB-0089-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					
240-17810-C-13-B	076SB-0080-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-14-B	076SB-0081-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-15-B	076SB-0082-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-16-B	076SB-0083-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-17-B ^5	076SB-0084-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-18-B ^5	076SB-0085-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-19-B	076SB-0086-0001-SO	7196A	T	Color Resp. is Blank					
240-17810-C-21-B ^25	076SB-0088-0001-SO	7196A	T	Color Resp. is Blank					
CCV 240-67576/12-A		7196A		Color Resp. is Blank					
CCB 240-67576/13-A		7196A		Color Resp. is Blank					

Batch Notes	
Batch Comment	Filters: 703647
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID Number	775414
Sulfuric Acid Reagent ID Number	705857

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 66827 Batch Start Date: 11/29/12 14:45 Batch Analyst: Nicholas, Courtney

Batch Method: Moisture Batch End Date: 11/30/12 07:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-17810-D-1	076SB-0068M-0001-SO	Moisture	T	4.3840 g	10.3593 g	9.2797 g			
240-17810-D-2	076SB-0069M-0001-SO	Moisture	T	4.3840 g	11.0384 g	10.1224 g			
240-17810-D-3	076SB-0070M-0001-SO	Moisture	T	4.3840 g	10.6609 g	9.7104 g			
240-17810-D-4	076SB-0071M-0001-SO	Moisture	T	4.3840 g	10.2432 g	8.9194 g			
240-17810-D-5	076SB-0072M-0001-SO	Moisture	T	4.3840 g	10.6769 g	9.4223 g			
240-17810-D-6 DU	076SB-0073M-0001-SO	Moisture	T	4.3840 g	7.1620 g	6.7033 g			
240-17810-D-6	076SB-0073M-0001-SO	Moisture	T	4.3840 g	7.3625 g	6.8839 g			
240-17810-D-7	076SB-0074M-0001-SO	Moisture	T	4.3840 g	9.6773 g	8.4685 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	11/29/12
Oven Temp when samples are put in oven	103.7 Degrees C
Time samples were place in the oven	15:20
Date samples were removed from oven	11/30/12
Oven Temp when samples removed from oven	103.5 Degrees C
Time Samples were removed from oven	5:30
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 67815 Batch Start Date: 12/07/12 13:42 Batch Analyst: Burns, Jill

Batch Method: Moisture Batch End Date: 12/10/12 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-17810-A-10	076SB-0077-0001-SO	Moisture	T	4.3988 g	12.2073 g	12.1152 g			
240-17810-A-11	076SB-0078-0001-SO	Moisture	T	4.3988 g	11.1804 g	11.1104 g			
240-17810-A-9 DU	076SB-0076-0001-SO	Moisture	T	4.3988 g	9.4860 g	9.4248 g			
240-17810-B-9	076SB-0076-0001-SO	Moisture	T	4.3988 g	11.4439 g	11.3601 g			
240-17810-A-12	076SB-0079-0001-SO	Moisture	T	4.3988 g	8.9138 g	8.8113 g			
240-17810-A-13	076SB-0080-0001-SO	Moisture	T	4.3988 g	12.6842 g	12.5634 g			
240-17810-A-14	076SB-0081-0001-SO	Moisture	T	4.3988 g	11.0615 g	10.9847 g			
240-17810-A-15	076SB-0082-0001-SO	Moisture	T	4.3988 g	10.3255 g	10.2344 g			
240-17810-A-16	076SB-0083-0001-SO	Moisture	T	4.3988 g	9.9214 g	9.8136 g			
240-17810-A-17	076SB-0084-0001-SO	Moisture	T	4.3988 g	14.0026 g	13.8853 g			
240-17810-A-18	076SB-0085-0001-SO	Moisture	T	4.3988 g	11.5876 g	11.4479 g			
240-17810-A-20	076SB-0087-0001-SO	Moisture	T	4.3988 g	9.5304 g	9.4577 g			
240-17810-A-19 DU	076SB-0086-0001-SO	Moisture	T	4.3988 g	11.9164 g	11.8241 g			
240-17810-A-19	076SB-0086-0001-SO	Moisture	T	4.3988 g	13.0299 g	12.9238 g			
240-17810-A-21	076SB-0088-0001-SO	Moisture	T	4.3988 g	12.9114 g	12.8138 g			
240-17810-A-22	076SB-0089-0001-SO	Moisture	T	4.3988 g	10.7905 g	10.6828 g			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17810-1

SDG No.:

Batch Number: 67815 Batch Start Date: 12/07/12 13:42 Batch Analyst: Burns, Jill

Batch Method: Moisture Batch End Date: 12/10/12 09:00

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	12/07/12
Oven Temp when samples are put in oven	104.0 Degrees C
Time samples were place in the oven	16:46
Date samples were removed from oven	12/10/12
Oven Temp when samples removed from oven	103.8 Degrees C
Time Samples were removed from oven	5:40
Oven ID	O02
ID number of the thermometer	TEMPGUARD BOX C #6

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: ECC	Client Project Manager: AL EASTERDAY	Site Contact: J. DONOVAN	Lab Contact: MARK COBB
Address: 33 BOSTON POST RD WEST #420	Telephone:	Telephone: 508 509 1184	Telephone:
City/State/Zip: MARLBORO MA 01752	Email:	Analysis Turnaround Time (in BUS days)	Analyses
Phone:		TAT if different from below: STANDARD	
Project Name:	Method of Shipment/Carrier: HAND DELIVER TO LAB	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Number:	Shipping/Tracking No:		
PO #			

COC No: 048709
1 of 3 COCs

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite (C) / Grab (G)	Analyses: VOC	SVOC	TAL METALS	% SOLID	Sample Specific Notes / Special Instructions:
0765B-0068M-0001-SO	11-16-12	0940				X		X				X	X			X	X	X	X	
0765B-0069M-0001-SO		0940																		
0765B-0070M-0001-SO		0925																		
0765B-0071M-0001-SO		0915																		
0765B-0072M-0001-SO		0905																		
0765B-0073M-0001-SO		0900																		
~~0765B-0073M-0001-SO~~																				
0765B-0074M-0001-SO		0935																		
0765A-0075-0001-TB	11-16-12	0800		X					X				X			X				TRIP BLK

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[illegible]	ECC	11-17-12 1120			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[illegible]	TA	11/17/12 1120

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: AL EASTERDAY	Site Contact: D. DONOVAN	Lab Contact: MARK LORZ	COC No: 048783
Address: 33 BOSTON POST #420 RD WEST	Telephone:	Telephone: 508 509 1784	Telephone:	2 of 3 COCs
City/State/Zip: MARLBORO MA 01536	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from Below: STANDARD		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name:	Method of Shipment/Carrier:	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Job/SDG No:
Project Number:	Shipping/Tracking No:			
PO #				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	HEX CHROM								Sample Specific Notes / Special Instructions:
0765B-0076-0001-SO	11-16-12	1145				X							X				X								MS/MSD
0765B-0077-0001-SO		1200																							
0765B-0078-0001-SO		1215																							
0765B-0079-0001-SO		1600																							
0765B-0080-0001-SO		1525																							
0765B-0081-0001-SO		1550																							
0765B-0082-0001-SO		1400																							
0765B-0083-0001-SO		1620																							
0765B-0084-0001-SO		1650																							
0765B-0085-0001-SO		1700																							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments: HEX CHROM, METHOD EPA 7196A

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECC	11-17-12 1120			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TA	Date/Time: 11/17/12 1120

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ECC	Client Project Manager: AL EASTERDAY	Site Contact: J. DONOVAN	Lab Contact: MARK LOEB	COC No: 048784
Address: 33 BOSTON POST ROAD WEST #406	Telephone:	Telephone:	Telephone:	3 of 23 COCs
City/State/Zip: MARLBORO MA 01752	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: STANDARD		Walk-in client: ☐ Lab pickup: ☐ Lab sampling: ☐
Project Name:	Method of Shipment/Carrier: HAND DEL. TO LAB	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Job/SDG No:
Project Number:	Shipping/Tracking No:			
PO #				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite (C) / Grab (G)	HEX Chrom									Sample Specific Notes / Special Instructions:
0765B-0086-0001-SO	11-16-12	1245															X									
0765B-0087-0001-SO		1320																								
0765B-0088-0001-SO		1640																								
0765B-0089-0001-SO		1145																								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
HEX CHROM - EPA 7196A

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ECC	11-17-12 1120			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[signature]	TA	11/17/12 1120

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TestAmerica Canton Sample Receipt Form/Narrative Login # : 17810

Client ECC Site Name _____ By: _____ (Signature)

Cooler Received on 11/17/12 Opened on 11/17/12

FedEx: 1st Grd Exp UPS FAS Stetson (Client Drop Off) TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other (BACK)

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF -2 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 4G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☒ Multiple on Back
IR GUN# 5G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 8	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____		Yes (No)
-Were custody seals on the outside of the cooler(s) signed & dated?		Yes No (NA)
-Were custody seals on the bottle(s)?		Yes (No)
3. Shippers' packing slip attached to the cooler(s)?		Yes (No)
4. Did custody papers accompany the sample(s)?		(Yes) No
5. Were the custody papers relinquished & signed in the appropriate place?		(Yes) No
6. Did all bottles arrive in good condition (Unbroken)?		(Yes) No
7. Could all bottle labels be reconciled with the COC?		(Yes) No
8. Were correct bottle(s) used for the test(s) indicated?		(Yes) No
9. Sufficient quantity received to perform indicated analyses?		(Yes) No
10. Were sample(s) at the correct pH upon receipt?		Yes No (NA)
11. Were VOAs on the COC?		(Yes) No
12. Were air bubbles >6 mm in any VOA vials?		Yes No NA
13. Was a trip blank present in the cooler(s)?		Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) ____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? ______________________________

Client ID	pH	Date	Initials

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
B10	1.2	1.2	IR4G	ICE
Client Cooler	2.0	2.0		