TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-17796-1

Job Description: RVAAP - ECC

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

Attention: Mr. Jackson Kiker

Approved for release.
Mark J Loeb
Project Manager II
12/24/2012 4:38 PM

Mark J Loeb
Project Manager II
mark.loeb@testamericainc.com
12/24/2012

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Laboratories, Inc.
TestAmerica Canton 4101 Shuffel Street NW, North Canton, OH 44720
Tel (330) 497-9396 Fax (330) 497-0772 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 8

- Report Narrative 8
- Manual Integration Summary 14
- Sample Summary 50
- Executive Summary 51
- Method Summary 61
- Method / Analyst Summary 63
- Sample Datasheets 64
- Surrogate Summary 278
- QC Data Summary 299
- Data Qualifiers 414
- QC Association Summary 416
- Lab Chronicle 435
- Reagent Traceability 459
  - COAs 603
- Certification Summary 743

Organic Sample Data 744

- GC/MS VOA 744
  - Method 8260B DOD 744
    - Method 8260B DOD QC Summary 745
    - Method 8260B DOD Sample Data 765
    - Standards Data 892
      - Method 8260B DOD ICAL Data 892
      - Method 8260B DOD CCAL Data 988
    - Raw QC Data 1035

Table of Contents

Method 8260B DOD Tune Data 1035

Method 8260B DOD Blank Data 1047

Method 8260B DOD LCS/LCSD Data 1062

Method 8260B DOD MS/MSD Data 1098

Method 8260B DOD Run Logs 1110

Method 8260B DOD Prep Data 1114

GC/MS Semi VOA 1116

Method 8270C DOD 1116

Method 8270C DOD QC Summary 1117

Method 8270C DOD Sample Data 1189

Standards Data 1598

Method 8270C DOD ICAL Data 1598

Method 8270C DOD CCAL Data 1722

Raw QC Data 1912

Method 8270C DOD Tune Data 1912

Method 8270C DOD Blank Data 1992

Method 8270C DOD LCS/LCSD Data 2039

Method 8270C DOD MS/MSD Data 2200

Method 8270C DOD Run Logs 2212

Method 8270C DOD Prep Data 2222

GC VOA 2228

Method 8015B - GRO 2228

Method 8015B - GRO QC Summary 2229

Method 8015B - GRO Sample Data 2238

Standards Data 2242

Method 8015B - GRO ICAL Data 2242

Table of Contents

Method 8015B - GRO CCAL Data 2257

Raw QC Data 2273

Method 8015B - GRO Blank Data 2273

Method 8015B - GRO LCS/LCSD Data 2276

Method 8015B - GRO MS/MSD Data 2285

Method 8015B - GRO Run Logs 2291

GC Semi VOA 2294

Method 8081 DOD 2294

Method 8081 DOD QC Summary 2295

Method 8081 DOD Sample Data 2303

Standards Data 2311

Method 8081 DOD ICAL Data 2311

Method 8081 DOD PEM Data 2405

Method 8081 DOD CCAL Data 2421

Raw QC Data 2502

Method 8081 DOD Blank Data 2502

Method 8081 DOD LCS/LCSD Data 2512

Method 8081 DOD Run Logs 2546

Method 8081 DOD Prep Data 2549

Method 8082 DOD 2550

Method 8082 DOD QC Summary 2551

Method 8082 DOD Sample Data 2582

Standards Data 2706

Method 8082 DOD ICAL Data 2706

Method 8082 DOD CCAL Data 2904

Raw QC Data 3031

Table of Contents

Method 8082 DOD Blank Data 3031

Method 8082 DOD LCS/LCSD Data 3061

Method 8082 DOD MS/MSD Data 3146

Method 8082 DOD Run Logs 3189

Method 8082 DOD Prep Data 3196

Method 8151 DOD 3199

Method 8151 DOD QC Summary 3200

Method 8151 DOD Sample Data 3208

Standards Data 3216

Method 8151 DOD ICAL Data 3216

Method 8151 DOD CCAL Data 3300

Raw QC Data 3346

Method 8151 DOD Blank Data 3346

Method 8151 DOD LCS/LCSD Data 3354

Method 8151 DOD Run Logs 3380

Method 8151 DOD Prep Data 3383

HPLC/IC 3384

Method 8330 Nitroguanidine 3384

Method 8330 Nitroguanidine QC Summary 3385

Method 8330 Nitroguanidine Sample Data 3394

Standards Data 3460

Method 8330 Nitroguanidine ICAL Data 3460

Method 8330 Nitroguanidine CCAL Data 3490

Raw QC Data 3549

Method 8330 Nitroguanidine Blank Data 3549

Method 8330 Nitroguanidine LCS/LCSD Data 3558

Table of Contents

Method 8330 Nitroguanidine MS/MSD Data 3565

Method 8330 Nitroguanidine Run Logs 3577

Method 8330 Nitroguanidine Prep Data 3582

Method 8330B 3586

Method 8330B QC Summary 3587

Method 8330B Sample Data 3602

Standards Data 3667

Method 8330B ICAL Data 3667

Method 8330B CCAL Data 3697

Raw QC Data 3760

Method 8330B Blank Data 3760

Method 8330B LCS/LCSD Data 3766

Method 8330B MS/MSD Data 3775

Method 8330B Run Logs 3809

Method 8330B Prep Data 3812

Inorganic Sample Data 3816

Metals Data 3816

Met Cover Page 3817

Met Sample Data 3818

Met QC Data 3843

Met ICV/CCV 3843

Met CRQL 3848

Met Blanks 3852

Met ICSA/ICSAB 3861

Met MS/MSD/PDS 3863

Met Dup/Trip 3865

Table of Contents

Met LCS/LCSD 3867

Met MDL 3871

Met Linear Ranges 3877

Met Preparation Log 3879

Met Analysis Run Log 3883

Met ICP/MS Int Stds 3902

Met Raw Data 3904

Met Prep Data 4146

General Chemistry Data 4153

Gen Chem Cover Page 4154

Gen Chem Sample Data 4156

Gen Chem QC Data 4178

Gen Chem ICV/CCV 4178

Gen Chem Blanks 4180

Gen Chem MS/MSD/PDS 4182

Gen Chem LCS/LCSD 4186

Gen Chem MDL 4191

Gen Chem Linear Ranges 4199

Gen Chem Preparation Log 4200

Gen Chem Analysis Run Log 4203

Gen Chem Raw Data 4210

Gen Chem Prep Data 4221

Subcontracted Data 4234

Shipping and Receiving Documents 4235

Client Chain of Custody 4236

Sample Receipt Checklist 4243

CASE NARRATIVE

Client: Environmental Chemical Corp.

Project: RVAAP - ECC

Report Number: 240-17796-1

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.

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

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 11/16/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.0, 1.2, 1.2, 1.4, 1.4, 1.6, 1.8, 2.0, 2.2 and 2.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 076SB-0023M-0001-SO (240-17796-1), 076SB-0024M-0001-SO (240-17796-3), 076SB-0025M-0001-SO (240-17796-4), 076SB-0026M-0001-SO (240-17796-5), 076SB-0027M-0001-SO (240-17796-6), 076SB-0028M-0001-SO (240-17796-7), 076SB-0029M-0001-SO (240-17796-8), 076SB-0060M-0001-SO (240-17796-22), 076SB-0061M-0001-SO (240-17796-23), 076SB-0062M-0001-SO (240-17796-24), 076SB-0063M-0001-SO (240-17796-25), 076SB-0064M-0001-SO (240-17796-26), 076SB-0065M-0001-SO (240-17796-27) and 076SB-0066M-0001-SO (240-17796-28) 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 11/26/2012.

2-Hexanone and Acetone were detected in method blank MB 240-66239/8 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 and Methylene Chloride failed the recovery criteria high for MRL 240-66239/31. Acetone and Bromoform failed the recovery criteria high for MRL 240-66239/5. Refer to the QC report for details.

The methanol preserved vial containing sample 076SB-0063M-0001-SO (240-17796-25) did not have a tare weight. An average tare weight of the other vials in the job was used to determine sample weight.

Acetone and Methylene Chloride recoveries failed high for the QCMRL closer. Both these compounds are common lab contaminants and

are effected more at lower concentrations. No further corrective action will be taken.

Acetone recovery failed high for the QCMRL opener in batch 66239. Acetone is a common lab contaminant that is effected more at lower concentrations by the varying contamination. No further corrective action was taken.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) analyses for batch 66239 on these samples 076SB-0023M-0001-SO (240-17796-1), 076SB-0024M-0001-SO (240-17796-3), 076SB-0025M-0001-SO (240-17796-4), 076SB-0026M-0001-SO (240-17796-5), 076SB-0027M-0001-SO (240-17796-6), 076SB-0028M-0001-SO (240-17796-7), 076SB-0029M-0001-SO (240-17796-8), 076SB-0060M-0001-SO (240-17796-22), 076SB-0061M-0001-SO (240-17796-23), 076SB-0062M-0001-SO (240-17796-24), 076SB-0063M-0001-SO (240-17796-25), 076SB-0064M-0001-SO (240-17796-26), 076SB-0065M-0001-SO (240-17796-27), 076SB-0066M-0001-SO (240-17796-28).

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 076-0067-0001-ER (240-17796-20), 076-0068-0001-TB (240-17796-21) and 076SB-0052-0001-TB (240-17796-37) were 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. 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.

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.

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

POLYCHLORINATED BIPHENYLS (PCBS) WITH INCREMENTAL SAMPLE PREPARATION

Samples 076SB-0053M-0001-SO (240-17796-9), 076SS-0007M-0001-SO (240-17796-10), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0056M-0001-SO (240-17796-13), 076SB-0057M-0001-SO (240-17796-14), 076SB-0058M-0001-SO (240-17796-15) and 076SB-0059M-0001-SO (240-17796-16) were analyzed for Polychlorinated biphenyls (PCBs) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8082 DOD. The samples were leached on 11/21/2012, prepared on 11/29/2012 and analyzed on 12/04/2012.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for 076SS-0007M-0001-SO (240-17796-10). Refer to the QC report for details.

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

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

Samples 076SB-0023M-0001-SO (240-17796-1), 076SS-0022M-0001-SO (240-17796-2), 076SB-0024M-0001-SO (240-17796-3), 076SB-0025M-0001-SO (240-17796-4), 076SB-0026M-0001-SO (240-17796-5), 076SB-0027M-0001-SO (240-17796-6), 076SB-0028M-0001-SO (240-17796-7), 076SB-0029M-0001-SO (240-17796-8), 076SB-0053M-0001-SO (240-17796-9), 076SS-0007M-0001-SO (240-17796-10), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0056M-0001-SO (240-17796-13), 076SB-0057M-0001-SO (240-17796-14), 076SB-0058M-0001-SO (240-17796-15), 076SB-0059M-0001-SO (240-17796-16), 076SB-0060M-0001-SO (240-17796-22), 076SB-0061M-0001-SO (240-17796-23), 076SB-0062M-0001-SO (240-17796-24), 076SB-0063M-0001-SO (240-17796-25), 076SB-0064M-0001-SO (240-17796-26), 076SB-0065M-0001-SO (240-17796-27), 076SB-0066M-0001-SO (240-17796-28), 076SB-0044M-0001-SO (240-17796-29), 076SB-0045M-0001-SO (240-17796-30), 076SB-0046M-0001-SO (240-17796-31), 076SB-0047M-0001-SO (240-17796-32), 076SB-0048M-0001-SO (240-17796-33), 076SB-0049M-0001-SO (240-17796-34) and 076SB-0050M-0001-SO (240-17796-35) 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 drying and disaggregation process began on 11/21/2012, were prepared on 11/27/2012, 11/28/2012, 11/29/2012 and 12/06/2012 and analyzed on 12/04/2012, 12/05/2012, 12/06/2012 and 12/11/2012.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-66393/23-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.

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for 076SB-0048M-0001-SO (240-17796-33). Refer to the QC report for details.

Samples 076SB-0024M-0001-SO (240-17796-3)[2.5X], 076SB-0025M-0001-SO (240-17796-4)[2.5X], 076SB-0028M-0001-SO (240-17796-7)[2.5X], 076SB-0053M-0001-SO (240-17796-9)[2.5X], 076SS-0007M-0001-SO (240-17796-10)[5X], 076SB-0054M-0001-SO (240-17796-11)[5X], 076SB-0055M-0001-SO (240-17796-12)[5X], 076SB-0060M-0001-SO (240-17796-22)[5X] and 076SB-0061M-0001-SO (240-17796-23)[2.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted due to the nature of the sample matrix: 076SB-0024M-0001-SO (240-17796-3), 076SB-0025M-0001-SO (240-17796-4), 076SB-0028M-0001-SO (240-17796-7), 076SB-0053M-0001-SO (240-17796-9), 076SB-0061M-0001-SO (240-17796-23), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0060M-0001-SO (240-17796-22), 076SS-0007M-0001-SO (240-17796-10), 076SB-0044M-0001-SO (240-17796-29), 076SB-0045M-0001-SO (240-17796-30), 076SB-0046M-0001-SO (240-17796-31), 076SB-0047M-0001-SO (240-17796-32), 076SB-0049M-0001-SO (240-17796-34), 076SB-0050M-0001-SO (240-17796-35), 076SB-0064M-0001-SO (240-17796-26), 076SB-0065M-0001-SO (240-17796-27), 076SB-0066M-0001-SO (240-17796-28), 076SB-0074M-0001-SO (240-17810-7). Elevated reporting limits (RLs) are provided.

Surrogate recovery for the following sample was outside control limits: 076SB-0048M-0001-SO (240-17796-33). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data will be reported.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 076SB-0051M-0001-SO (240-17796-36) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/28/2012 and analyzed on 12/07/2012.

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.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 076-0067-0001-ER (240-17796-20) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 11/21/2012 and analyzed on 11/29/2012.

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

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 65893. 3520C 8270.

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

GASOLINE RANGE ORGANICS (GRO)

Sample 076-0067-0001-ER (240-17796-20) was analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 11/28/2012.

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

NITROGUANIDINE (HPLC)

Samples 076SW-0013-0001-SW (240-17796-17), 076SW-0014-0001-SW (240-17796-18), 076SW-0015-0001-SW (240-17796-19) and 076-0067-0001-ER (240-17796-20) were analyzed for nitroguanidine (HPLC) in accordance with EPA SW-846 Method 8330_Ngu. The samples were prepared on 12/05/2012 and analyzed on 12/06/2012.

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

CHLORINATED PESTICIDES

Sample 076-0067-0001-ER (240-17796-20) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A DoD. The samples were prepared on 11/21/2012 and analyzed on 11/28/2012.

The closing MRL associated with batch 66500 recovered above the upper control limit for Aldrin . The samples associated with this MRL 076-0067-0001-ER (240-17796-20) were non-detects for the affected analyte; therefore the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 66500 recovered above the upper control limit. The samples associated with this CCV076-0067-0001-ER (240-17796-20) were non-detects for the affected analytes; therefore the data have been reported.

The peaks for DDD and Endosulfan II merged on the primary column. The associated samples076-0067-0001-ER (240-17796-20) were all non-detect for the affected analytes on the confirmation column; therefore the data have been reported. The QC data associated with these samples are reported from the confirmation column for these analytes.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 65900.

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

POLYCHLORINATED BIPHENYLS (PCBS)

Samples 076SW-0013-0001-SW (240-17796-17), 076SW-0014-0001-SW (240-17796-18), 076SW-0015-0001-SW (240-17796-19) and 076-0067-0001-ER (240-17796-20) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082 DOD. The samples were prepared on 11/21/2012 and 11/27/2012 and analyzed on 11/24/2012 and 11/30/2012.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 076SB-0053M-0001-SO (240-17796-9), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0056M-0001-SO (240-17796-13), 076SB-0057M-0001-SO (240-17796-14), 076SB-0058M-0001-SO (240-17796-15), 076SS-0007M-0001-SO (240-17796-10). Lot # S65830.

Surrogate recovery for the following sample was outside control limits: 076SS-0007M-0001-SO (240-17796-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Surrogate recovery for the following samples was outside control limits: 076SW-0013-0001-SW (240-17796-17), 076SW-0013-0002-SW (240-17796-17 MS), 076SW-0013-0002-SW (240-17796-17 MSD). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Only the re-extract data is reported.

Batch 65899 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another sample, but this sample was reprepped. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

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

CHLORINATED HERBICIDES

Sample 076-0067-0001-ER (240-17796-20) was analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A DoD. The samples were prepared on 11/20/2012 and analyzed on 12/04/2012.

The client requested MRLs fail for MCPA and MCPP. This is a result of the Ical being on quadratic fit for these compounds.076-0067-0001-ER (240-17796-20).

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 65729.

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

NITROGUANIDINE (HPLC)

Samples 076SS-0022M-0001-SO (240-17796-2), 076SB-0053M-0001-SO (240-17796-9), 076SS-0007M-0001-SO (240-17796-10), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0056M-0001-SO (240-17796-13), 076SB-0057M-0001-SO (240-17796-14), 076SB-0058M-0001-SO (240-17796-15), 076SB-0059M-0001-SO (240-17796-16), 076SB-0044M-0001-SO (240-17796-29), 076SB-0045M-0001-SO (240-17796-30), 076SB-0046M-0001-SO (240-17796-31), 076SB-0047M-0001-SO (240-17796-32), 076SB-0048M-0001-SO (240-17796-33), 076SB-0049M-0001-SO (240-17796-34), 076SB-0050M-0001-SO (240-17796-35) and 076SB-0051M-0001-SO (240-17796-36) were analyzed for nitroguanidine (HPLC) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8330_Ngu. The drying and disaggregation process began on 11/21/2012, samples were prepared on 11/29/2012 and analyzed on 12/05/2012, 12/06/2012 and 12/10/2012.

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

EXPLOSIVES

Samples 076SS-0022M-0001-SO (240-17796-2), 076SB-0053M-0001-SO (240-17796-9), 076SS-0007M-0001-SO (240-17796-10), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0056M-0001-SO (240-17796-13), 076SB-0057M-0001-SO (240-17796-14), 076SB-0058M-0001-SO (240-17796-15), 076SB-0059M-0001-SO (240-17796-16), 076SB-0044M-0001-SO (240-17796-29), 076SB-0045M-0001-SO (240-17796-30), 076SB-0046M-0001-SO (240-17796-31), 076SB-0047M-0001-SO (240-17796-32), 076SB-0048M-0001-SO (240-17796-33), 076SB-0049M-0001-SO (240-17796-34), 076SB-0050M-0001-SO (240-17796-35) and 076SB-0051M-0001-SO (240-17796-36) were analyzed for explosives with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 8330B. The drying and disaggregation process began on 11/21/2012, samples were prepared on 11/29/2012 and analyzed on 12/11/2012 and 12/12/2012.

The continuing calibration verification at the reporting limit (CCVL) for analytical batch 6172 exceeded control criteria for m-Nitrotoluene, o-Nitrotoluene, PETN, Tetryl, 2-Amino-4,6-Dinitrotoluene, 2,6-Dinitrotoluene, and 2,6-Dinitrotoluene. The corrective action for this deficiency is an analysis of a standard at apporximately 2x the MDL. The acceptance criterion for the 2x MDL standard is detection of the compound. As the compounds were detected, the data have been qualified and reported.

The continuing calibration verification at the reporting limit (CCVL) for analytical batch 7240 exceeded control criteria for 3,5-Dinitroaniline, o-Nitrotoluene, p-Nitrotoluene, m-Nitrotoluene, RDX, PETN, 2,6-Dinitrotoluene, 2,4-Dinitroluene, 4-Amino-2,6-dinitrotoluene and 2,4,6-Trinitrotoluene. The corrective action for this deficiency is an analysis of a standard at apporximately 2x the MDL. The acceptance criterion for the 2x MDL standard is detection of the compound. As the compounds were detected, the data have been qualified and reported.

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

NITROAROMATICS AND NITRAMINES (HPLC)
Samples 076SW-0013-0001-SW (240-17796-17), 076SW-0014-0001-SW (240-17796-18), 076SW-0015-0001-SW (240-17796-19) and 076-0067-0001-ER (240-17796-20) were analyzed for Nitroaromatics and Nitramines (HPLC) in accordance with EPA SW-846 Method 8330B. The samples were prepared on 11/20/2012 and analyzed on 12/04/2012.

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

TOTAL RECOVERABLE METALS (ICPMS)
Sample 076-0067-0001-ER (240-17796-20) was analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020 DoD. The samples were prepared on 11/28/2012 and analyzed on 12/10/2012.

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

Thallium was detected in method blank MB 240-66568/1-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.

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

TOTAL MERCURY - DOD
Sample 076-0067-0001-ER (240-17796-20) was analyzed for Total Mercury - DOD in accordance with EPA SW-846 Method 7470A. The samples were prepared on 11/26/2012 and analyzed on 11/27/2012.

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

MERCURY WITH INCREMENTAL SAMPLE PREPARATION
Samples 076SB-0023M-0001-SO (240-17796-1), 076SS-0022M-0001-SO (240-17796-2), 076SB-0024M-0001-SO (240-17796-3), 076SB-0025M-0001-SO (240-17796-4), 076SB-0026M-0001-SO (240-17796-5), 076SB-0027M-0001-SO (240-17796-6), 076SB-0028M-0001-SO (240-17796-7), 076SB-0029M-0001-SO (240-17796-8), 076SB-0053M-0001-SO (240-17796-9), 076SS-0007M-0001-SO (240-17796-10), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0056M-0001-SO (240-17796-13), 076SB-0057M-0001-SO (240-17796-14), 076SB-0058M-0001-SO (240-17796-15), 076SB-0059M-0001-SO (240-17796-16), 076SB-0060M-0001-SO (240-17796-22), 076SB-0061M-0001-SO (240-17796-23), 076SB-0062M-0001-SO (240-17796-24), 076SB-0063M-0001-SO (240-17796-25), 076SB-0064M-0001-SO (240-17796-26), 076SB-0065M-0001-SO (240-17796-27) and 076SB-0066M-0001-SO (240-17796-28) 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 were leached on 11/21/2012, prepared on 11/27/2012 and 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.

NITROCELLULOSE
Samples 076SS-0022M-0001-SO (240-17796-2), 076SB-0053M-0001-SO (240-17796-9), 076SS-0007M-0001-SO (240-17796-10), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0056M-0001-SO (240-17796-13), 076SB-0057M-0001-SO (240-17796-14), 076SB-0058M-0001-SO (240-17796-15), 076SB-0059M-0001-SO (240-17796-16), 076SB-0044M-0001-SO (240-17796-29), 076SB-0045M-0001-SO (240-17796-30), 076SB-0046M-0001-SO (240-17796-31), 076SB-0047M-0001-SO (240-17796-32), 076SB-0048M-0001-SO (240-17796-33), 076SB-0049M-0001-SO (240-17796-34), 076SB-0050M-0001-SO (240-17796-35) and 076SB-0051M-0001-SO (240-17796-36) were analyzed for Nitrocellulose with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA Method 353.2. The drying and disaggregation process began on 11/21/2012, samples were prepared and analyzed on 12/06/2012.

The matrix spike / matrix spike duplicate (240-17-17796-2MS/MSD) recoveries for batch #7008 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

All solid samples for 240-17796 in analytical batch # 7008 were extracted at 1.0g due to matrix issues. Previous samples from this site adversely impacted the cadmium coil and the recoveries of the bracketing CCV's and MRL's. Reporting limits have been adjusted accordingly. Additionally, the sample extracts of 240-17796-2, -9, -10, -12, -13, -16, -29, -32, and -35 (at the 1.0g sample size) all had an unidentifiable pungent odor. The analyst believes that this matrix is what impacted the low recoveries of the MS/MSD for sample 240-17796-2.

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

NITROCELLULOSE
Samples 076SW-0013-0001-SW (240-17796-17), 076SW-0014-0001-SW (240-17796-18), 076SW-0015-0001-SW (240-17796-19) and 076-0067-0001-ER (240-17796-20) were analyzed for Nitrocellulose in accordance with EPA Method 353.2. The samples were prepared and analyzed on 12/06/2012.

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

HEXAVALENT CHROMIUM

Sample 076SS-0022M-0001-SO (240-17796-2) was analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were leached on 11/21/2012, prepared on 12/04/2012 and analyzed on 12/05/2012.

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

PERCENT SOLIDS

Samples 076SB-0023M-0001-SO (240-17796-1), 076SS-0022M-0001-SO (240-17796-2), 076SB-0024M-0001-SO (240-17796-3), 076SB-0025M-0001-SO (240-17796-4), 076SB-0026M-0001-SO (240-17796-5), 076SB-0027M-0001-SO (240-17796-6), 076SB-0028M-0001-SO (240-17796-7), 076SB-0029M-0001-SO (240-17796-8), 076SB-0053M-0001-SO (240-17796-9), 076SS-0007M-0001-SO (240-17796-10), 076SB-0054M-0001-SO (240-17796-11), 076SB-0055M-0001-SO (240-17796-12), 076SB-0056M-0001-SO (240-17796-13), 076SB-0057M-0001-SO (240-17796-14), 076SB-0058M-0001-SO (240-17796-15), 076SB-0059M-0001-SO (240-17796-16), 076SB-0060M-0001-SO (240-17796-22), 076SB-0061M-0001-SO (240-17796-23), 076SB-0062M-0001-SO (240-17796-24), 076SB-0063M-0001-SO (240-17796-25), 076SB-0064M-0001-SO (240-17796-26), 076SB-0065M-0001-SO (240-17796-27), 076SB-0066M-0001-SO (240-17796-28), 076SB-0044M-0001-SO (240-17796-29), 076SB-0045M-0001-SO (240-17796-30), 076SB-0046M-0001-SO (240-17796-31), 076SB-0047M-0001-SO (240-17796-32), 076SB-0048M-0001-SO (240-17796-33), 076SB-0049M-0001-SO (240-17796-34), 076SB-0050M-0001-SO (240-17796-35) and 076SB-0051M-0001-SO (240-17796-36) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 11/23/2012.

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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 67225

Lab Sample ID: 240-17796-10 Client Sample ID: 076SS-0007M-0001-SO

Date Analyzed: 12/04/12 12:54 Lab File ID: 21204011.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	13.56	Poor Chromatography	gruberj	12/04/12 13:40
Benzo[k]fluoranthene	13.58	Poor Chromatography	gruberj	12/04/12 13:40
Benzo[g,h,i]perylene	16.12	Poor Chromatography	gruberj	12/04/12 13:40

Lab Sample ID: 240-17796-22 Client Sample ID: 076SB-0060M-0001-SO

Date Analyzed: 12/04/12 14:05 Lab File ID: 21204014.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.58	Poor Chromatography	gruberj	12/04/12 14:55

Lab Sample ID: 240-17796-8 Client Sample ID: 076SB-0029M-0001-SO

Date Analyzed: 12/04/12 14:53 Lab File ID: 21204016.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.58	Poor Chromatography	gruberj	12/04/12 15:31

Lab Sample ID: 240-17796-16 Client Sample ID: 076SB-0059M-0001-SO

Date Analyzed: 12/04/12 15:40 Lab File ID: 21204018.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methylnaphthalene	7.51	Poor Chromatography	gruberj	12/05/12 13:40

Lab Sample ID: 240-17796-1 Client Sample ID: 076SB-0023M-0001-SO

Date Analyzed: 12/04/12 16:51 Lab File ID: 21204021.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.58	Poor Chromatography	gruberj	12/05/12 13:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 67225

Lab Sample ID: 240-17796-5 Client Sample ID: 076SB-0026M-0001-SO

Date Analyzed: 12/04/12 17:39 Lab File ID: 21204023.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.58	Poor Chromatography	gruberj	12/05/12 13:45

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 12/04/12 18:49 Lab File ID: 21204026.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol (Surr)	4.49	Poor Chromatography	gruberj	12/05/12 09:42
2,4,6-Tribromophenol (Surr)	9.06	Poor Chromatography	gruberj	12/05/12 09:42
Dibenz(a,h)anthracene	15.74	Poor Chromatography	gruberj	12/05/12 12:53
Indeno[1,2,3-cd]pyrene	15.74	Poor Chromatography	gruberj	12/05/12 12:53

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 12/04/12 19:13 Lab File ID: 21204027.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	15.73	Poor Chromatography	gruberj	12/05/12 13:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 67390

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 12/05/12 19:14 Lab File ID: 21205027.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	15.64	Poor Chromatography	gruberj	12/06/12 07:37
Dibenz(a,h)anthracene	15.65	Poor Chromatography	gruberj	12/06/12 07:37
Benzo[g,h,i]perylene	16.03	Poor Chromatography	gruberj	12/06/12 07:37

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 12/05/12 19:37 Lab File ID: 21205028.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.04	Poor Chromatography	gruberj	12/06/12 07:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 67544

Lab Sample ID: 240-17796-28 Client Sample ID: 076SB-0066M-0001-SO

Date Analyzed: 12/06/12 12:27 Lab File ID: 21206010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.52	Poor Chromatography	gruberj	12/06/12 10:48
Benzo[g,h,i]perylene	16.02	Poor Chromatography	gruberj	12/06/12 10:48

Lab Sample ID: 240-17796-27 Client Sample ID: 076SB-0065M-0001-SO

Date Analyzed: 12/06/12 14:47 Lab File ID: 21206016.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.52	Poor Chromatography	gruberj	12/06/12 16:29

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Analysis Batch Number: 67761

Lab Sample ID: 240-17796-36 Client Sample ID: 076SB-0051M-0001-SO

Date Analyzed: 12/07/12 12:51 Lab File ID: 21207006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[g,h,i]perylene	15.95	Poor Chromatography	gruberj	12/07/12 13:14

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 67070

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

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

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

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 67070

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 67368

Lab Sample ID: CCV 240-67368/2 Client Sample ID:

Date Analyzed: 12/05/12 08:24 Lab File ID: 21205002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	6.84	Poor Chromatography	ulmanm	12/05/12 09:06

Lab Sample ID: mdll1 LODV Client Sample ID:

Date Analyzed: 12/05/12 14:07 Lab File ID: 21205016.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.27	Poor Chromatography	ulmanm	12/05/12 14:50
Dibenz(a,h)anthracene	16.30	Poor Chromatography	ulmanm	12/05/12 14:50
Benzo[g,h,i]perylene	16.72	Poor Chromatography	ulmanm	12/05/12 14:50

Lab Sample ID: mdll2 LODV Client Sample ID:

Date Analyzed: 12/05/12 14:31 Lab File ID: 21205017.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	3.17	Poor Chromatography	ulmanm	12/05/12 15:11
Pyridine	3.20	Poor Chromatography	ulmanm	12/05/12 15:11
Caprolactam	7.44	Poor Chromatography	ulmanm	12/05/12 15:11
2,4,6-Tribromophenol (Surr)	9.27	Poor Chromatography	ulmanm	12/05/12 15:11
Indeno[1,2,3-cd]pyrene	16.26	Poor Chromatography	ulmanm	12/05/12 15:11
Dibenz(a,h)anthracene	16.30	Poor Chromatography	ulmanm	12/05/12 15:11

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

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

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

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

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

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

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

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

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

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

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

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

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

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

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

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

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

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

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

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

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

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

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

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

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

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP9 Analysis Batch Number: 66500

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

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

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

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

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 62068

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

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

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

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 66802

Lab Sample ID: CCV 240-66802/3 CCVRT Client Sample ID:

Date Analyzed: 11/30/12 16:51 Lab File ID: P1300003.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	12/03/12 10:53
PCB-1016 Peak 2	1.90	Split Peak	hassl	12/03/12 10:53
PCB-1016 Peak 3	2.33	Split Peak	hassl	12/03/12 10:53
PCB-1016 Peak 4	2.46	Split Peak	hassl	12/03/12 10:53
PCB-1016 Peak 5	2.87	Split Peak	hassl	12/03/12 10:53

Lab Sample ID: 240-17796-17 MSD Client Sample ID: 076SW-0013-0001-SW MSD

Date Analyzed: 11/30/12 17:50 Lab File ID: P1300007.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	12/03/12 10:55
PCB-1016 Peak 2	1.90	Split Peak	hassl	12/03/12 10:55
PCB-1016 Peak 3	2.33	Split Peak	hassl	12/03/12 10:55
PCB-1016 Peak 4	2.46	Split Peak	hassl	12/03/12 10:55
PCB-1016 Peak 5	2.87	Split Peak	hassl	12/03/12 10:55

Lab Sample ID: LCS 240-66426/5-A Client Sample ID:

Date Analyzed: 11/30/12 18:20 Lab File ID: P1300009.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	12/03/12 10:55
PCB-1016 Peak 2	1.90	Split Peak	hassl	12/03/12 10:55
PCB-1016 Peak 3	2.33	Split Peak	hassl	12/03/12 10:55
PCB-1016 Peak 4	2.46	Split Peak	hassl	12/03/12 10:55
PCB-1016 Peak 5	2.87	Split Peak	hassl	12/03/12 10:55

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 66802

Lab Sample ID: CCV 240-66802/10 Client Sample ID:

Date Analyzed: 11/30/12 18:35 Lab File ID: P1300010.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	12/03/12 10:56
PCB-1016 Peak 2	1.90	Split Peak	hassl	12/03/12 10:56
PCB-1016 Peak 3	2.33	Split Peak	hassl	12/03/12 10:56
PCB-1016 Peak 4	2.46	Split Peak	hassl	12/03/12 10:56
PCB-1016 Peak 5	2.87	Split Peak	hassl	12/03/12 10:56

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP13 Analysis Batch Number: 67173

Lab Sample ID: CCV 240-67173/3 CCVRT Client Sample ID:

Date Analyzed: 12/04/12 01:36 Lab File ID: P1300003.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.59	Split Peak	hassl	12/04/12 14:10
PCB-1016 Peak 2	1.90	Split Peak	hassl	12/04/12 14:10
PCB-1016 Peak 3	2.33	Split Peak	hassl	12/04/12 14:10
PCB-1016 Peak 4	2.46	Split Peak	hassl	12/04/12 14:10
PCB-1016 Peak 5	2.87	Split Peak	hassl	12/04/12 14:10

Lab Sample ID: 240-17796-10 Client Sample ID: 076SS-0007M-0001-SO

Date Analyzed: 12/04/12 05:42 Lab File ID: P1300019.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.17	Baseline Event	hassl	12/04/12 13:19
PCB-1260 Peak 2	4.48	Baseline Event	hassl	12/04/12 13:19
PCB-1260 Peak 3	4.77	Baseline Event	hassl	12/04/12 13:19
PCB-1260 Peak 4	5.53	Baseline Event	hassl	12/04/12 13:19
PCB-1260 Peak 5	5.83	Baseline Event	hassl	12/04/12 13:19
DCB Decachlorobiphenyl	7.06	Baseline Event	hassl	12/04/12 15:08

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 58097

Lab Sample ID: STD 240-58097/10 IC Client Sample ID:

Date Analyzed: 09/18/12 13:18 Lab File ID: P1000010.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	9.27	Baseline Event	roachc	09/18/12 19:40

Lab Sample ID: STD 240-58097/11 IC Client Sample ID:

Date Analyzed: 09/18/12 13:42 Lab File ID: P1000011.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	9.27	Baseline Event	roachc	09/18/12 19:40

Lab Sample ID: ICV 240-58097/16 Client Sample ID:

Date Analyzed: 09/18/12 15:40 Lab File ID: P1000016.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	9.27	Baseline Event	roachc	09/18/12 19:41

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 67147

Lab Sample ID: STD 240-67147/6 IC Client Sample ID:

Date Analyzed: 12/03/12 17:53 Lab File ID: P1000006.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	1.25	Baseline Event	roachc	12/04/12 07:58

Lab Sample ID: STD 240-67147/6 IC Client Sample ID:

Date Analyzed: 12/03/12 17:53 Lab File ID: P1000006.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dalapon	1.39	Baseline Event	roachc	12/04/12 07:58
Dichlorprop	8.60	Baseline Event	roachc	12/04/12 07:58
2,4-D	8.96	Baseline Event	roachc	12/04/12 07:58
Silvex (2,4,5-TP)	9.89	Baseline Event	roachc	12/04/12 07:58
2,4-DB	11.02	Baseline Event	roachc	12/04/12 07:58
Dinoseb	11.40	Baseline Event	roachc	12/04/12 07:58

Lab Sample ID: STD 240-67147/7 IC Client Sample ID:

Date Analyzed: 12/03/12 18:17 Lab File ID: P1000007.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dinoseb	11.40	Baseline Event	roachc	12/04/12 07:59

Lab Sample ID: STD 240-67147/8 ICRT Client Sample ID:

Date Analyzed: 12/03/12 18:41 Lab File ID: P1000008.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorprop	8.59	Baseline Event	roachc	12/04/12 07:59

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP1 Analysis Batch Number: 67147

Lab Sample ID: ICV 240-67147/12 Client Sample ID:

Date Analyzed: 12/03/12 20:15 Lab File ID: P1000012.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Silvex (2,4,5-TP)	9.08	Baseline Event	roachc	12/04/12 08:04

Lab Sample ID: MRL 240-67147/14 Client Sample ID:

Date Analyzed: 12/03/12 21:03 Lab File ID: P1000014.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorprop	7.96	Baseline Event	roachc	12/04/12 09:20

Lab Sample ID: MRL 240-67147/33 Client Sample ID:

Date Analyzed: 12/04/12 04:33 Lab File ID: P1000033.D GC Column: CLP-1 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorprop	7.96	Baseline Event	roachc	12/04/12 08:26

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Instrument ID: PDA1 Analysis Batch Number: 6888

Lab Sample ID: CCVL 320-6888/39 Client Sample ID:

Date Analyzed: 12/05/12 20:01 Lab File ID: 320-0001684-039-1.d GC Column: Luna NH2 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.26	Split Peak	noonanr	12/07/12 13:41

Lab Sample ID: CCV 320-6888/50 Client Sample ID:

Date Analyzed: 12/05/12 22:39 Lab File ID: 320-0001684-050-1.d GC Column: Luna NH2 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.26	Split Peak	noonanr	12/07/12 13:45

Lab Sample ID: LCS 320-6878/2-A Client Sample ID:

Date Analyzed: 12/06/12 01:59 Lab File ID: 320-0001684-066-1.d GC Column: Luna NH2 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.23	Split Peak	noonanr	12/07/12 13:50

Lab Sample ID: CCVL 320-6888/64 Client Sample ID:

Date Analyzed: 12/06/12 03:53 Lab File ID: 320-0001684-064-1.d GC Column: Luna NH2 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroguanidine	4.23	Split Peak	noonanr	12/07/12 13:57

8330 Modified

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 3377

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

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

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

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 6772

Lab Sample ID: STD05 320-6772/36 CCVRT Client Sample ID:

Date Analyzed: 12/04/12 12:20 Lab File ID: C000038.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	9.87	Incomplete Integration	noonanr	12/04/12 14:16

Lab Sample ID: LCS 320-6172/2-A Client Sample ID:

Date Analyzed: 12/04/12 14:20 Lab File ID: C000041.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	28.74	Baseline	noonanr	12/04/12 15:22

Lab Sample ID: 240-17796-17 Client Sample ID: 076SW-0013-0001-SW

Date Analyzed: 12/04/12 15:00 Lab File ID: C000042.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	16.78	Incomplete Integration	noonanr	12/05/12 08:11

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 6772

Lab Sample ID: 240-17796-17 MS Client Sample ID: 076SW-0013-0001-SW MS

Date Analyzed: 12/04/12 15:41 Lab File ID: C000043.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
HMX	5.22	Baseline	noonanr	12/12/12 14:33
RDX	7.53	Baseline	noonanr	12/12/12 14:33
Tetryl	13.70	Baseline	noonanr	12/12/12 14:33
Nitrobenzene	14.27	Baseline	noonanr	12/12/12 14:33
2,4,6-Trinitrotoluene	15.78	Baseline	noonanr	12/12/12 14:33
4-Amino-2,6-dinitrotoluene	16.35	Baseline	noonanr	12/12/12 14:33
3,4-Dinitrotoluene	16.79	Baseline	noonanr	12/12/12 14:33
2-Amino-4,6-dinitrotoluene	17.30	Baseline	noonanr	12/12/12 14:33
2-Nitrotoluene	22.92	Incomplete Integration	noonanr	12/12/12 14:33
4-Nitrotoluene	24.58	Incomplete Integration	noonanr	12/12/12 14:33

Lab Sample ID: 240-17796-17 MSD Client Sample ID: 076SW-0013-0001-SW MSD

Date Analyzed: 12/04/12 16:21 Lab File ID: C000044.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
HMX	5.23	Baseline	noonanr	12/05/12 08:22
RDX	7.53	Baseline	noonanr	12/05/12 08:22
Tetryl	13.69	Baseline	noonanr	12/05/12 08:22
2,4,6-Trinitrotoluene	15.80	Baseline	noonanr	12/05/12 08:22
4-Amino-2,6-dinitrotoluene	16.35	Baseline	noonanr	12/05/12 08:22
3,4-Dinitrotoluene	16.77	Baseline	noonanr	12/05/12 08:22
2-Amino-4,6-dinitrotoluene	17.29	Baseline	noonanr	12/05/12 08:22

Lab Sample ID: 240-17796-18 Client Sample ID: 076SW-0014-0001-SW

Date Analyzed: 12/04/12 17:01 Lab File ID: C000045.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3,4-Dinitrotoluene	16.79	Incomplete Integration	noonanr	12/05/12 08:22

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Instrument ID: LC10 Analysis Batch Number: 7240

Lab Sample ID: 240-17796-2 MSD Client Sample ID: 076SS-0022M-0001-SO MSD

Date Analyzed: 12/11/12 19:28 Lab File ID: H000007.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	28.58	Incomplete Integration	noonanr	12/12/12 08:01

Lab Sample ID: CCV 320-7240/26 Client Sample ID:

Date Analyzed: 12/12/12 11:36 Lab File ID: L000006.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	28.46	Incomplete Integration	noonanr	12/12/12 12:22

Lab Sample ID: CCVL 320-7240/27 CCVRT Client Sample ID:

Date Analyzed: 12/12/12 12:16 Lab File ID: L000007.D GC Column: Synergi C18 ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PETN	28.56	Incomplete Integration	noonanr	12/12/12 13:26

SAMPLE SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-17796-1	076SB-0023M-0001-SO	Solid	11/15/2012 0915	11/16/2012 1842
240-17796-2	076SS-0022M-0001-SO	Solid	11/15/2012 1225	11/16/2012 1842
240-17796-3	076SB-0024M-0001-SO	Solid	11/15/2012 1020	11/16/2012 1842
240-17796-4	076SB-0025M-0001-SO	Solid	11/15/2012 0900	11/16/2012 1842
240-17796-5	076SB-0026M-0001-SO	Solid	11/15/2012 0920	11/16/2012 1842
240-17796-6	076SB-0027M-0001-SO	Solid	11/15/2012 0940	11/16/2012 1842
240-17796-7	076SB-0028M-0001-SO	Solid	11/15/2012 1000	11/16/2012 1842
240-17796-8	076SB-0029M-0001-SO	Solid	11/15/2012 1225	11/16/2012 1842
240-17796-9	076SB-0053M-0001-SO	Solid	11/15/2012 1555	11/16/2012 1842
240-17796-10	076SS-0007M-0001-SO	Solid	11/15/2012 1545	11/16/2012 1842
240-17796-11	076SB-0054M-0001-SO	Solid	11/15/2012 1555	11/16/2012 1842
240-17796-12	076SB-0055M-0001-SO	Solid	11/15/2012 1345	11/16/2012 1842
240-17796-13	076SB-0056M-0001-SO	Solid	11/15/2012 1410	11/16/2012 1842
240-17796-14	076SB-0057M-0001-SO	Solid	11/15/2012 1440	11/16/2012 1842
240-17796-15	076SB-0058M-0001-SO	Solid	11/15/2012 1530	11/16/2012 1842
240-17796-16	076SB-0059M-0001-SO	Solid	11/15/2012 1600	11/16/2012 1842
240-17796-17	076SW-0013-0001-SW	Water	11/15/2012 1400	11/16/2012 1842
240-17796-17MS	076SW-0013-0001-SW	Water	11/15/2012 1400	11/16/2012 1842
240-17796-17MSD	076SW-0013-0001-SW	Water	11/15/2012 1400	11/16/2012 1842
240-17796-18	076SW-0014-0001-SW	Water	11/15/2012 1500	11/16/2012 1842
240-17796-19	076SW-0015-0001-SW	Water	11/15/2012 1530	11/16/2012 1842
240-17796-20	076-0067-0001-ER	Water	11/15/2012 1300	11/16/2012 1842
240-17796-21	076-0068-0001-TB	Water	11/15/2012 0800	11/16/2012 1842
240-17796-22	076SB-0060M-0001-SO	Solid	11/15/2012 1735	11/16/2012 1842
240-17796-23	076SB-0061M-0001-SO	Solid	11/15/2012 1735	11/16/2012 1842
240-17796-24	076SB-0062M-0001-SO	Solid	11/15/2012 1705	11/16/2012 1842
240-17796-25	076SB-0063M-0001-SO	Solid	11/15/2012 1715	11/16/2012 1842
240-17796-26	076SB-0064M-0001-SO	Solid	11/15/2012 1725	11/16/2012 1842
240-17796-27	076SB-0065M-0001-SO	Solid	11/15/2012 1740	11/16/2012 1842
240-17796-28	076SB-0066M-0001-SO	Solid	11/15/2012 1650	11/16/2012 1842
240-17796-29	076SB-0044M-0001-SO	Solid	11/15/2012 1225	11/16/2012 1842
240-17796-30	076SB-0045M-0001-SO	Solid	11/15/2012 1225	11/16/2012 1842
240-17796-31	076SB-0046M-0001-SO	Solid	11/15/2012 1050	11/16/2012 1842
240-17796-32	076SB-0047M-0001-SO	Solid	11/15/2012 1111	11/16/2012 1842
240-17796-33	076SB-0048M-0001-SO	Solid	11/15/2012 1140	11/16/2012 1842
240-17796-34	076SB-0049M-0001-SO	Solid	11/15/2012 1205	11/16/2012 1842
240-17796-35	076SB-0050M-0001-SO	Solid	11/15/2012 1230	11/16/2012 1842
240-17796-36	076SB-0051M-0001-SO	Solid	11/15/2012 1210	11/16/2012 1842
240-17796-37	076SB-0052-0001-TB	Water	11/15/2012 0800	11/16/2012 1842

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-1	**076SB-0023M-0001-SO**					
2-Butanone (MEK)		1.5	J	18	ug/Kg	8260B/DoD
Anthracene		5.0	J	6.7	ug/Kg	8270C/DoD
Benzo[a]anthracene		16		6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		20		6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		18		6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		8.9		6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		6.0	J M	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		31	J	50	ug/Kg	8270C/DoD
Chrysene		15		6.7	ug/Kg	8270C/DoD
Dibenzofuran		7.1	J	50	ug/Kg	8270C/DoD
Fluoranthene		38		6.7	ug/Kg	8270C/DoD
Fluorene		4.6	J	6.7	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		12		6.7	ug/Kg	8270C/DoD
Isophorone		14	J	50	ug/Kg	8270C/DoD
2-Methylnaphthalene		19		6.7	ug/Kg	8270C/DoD
Naphthalene		16		6.7	ug/Kg	8270C/DoD
Phenanthrene		33		6.7	ug/Kg	8270C/DoD
Pyrene		27		6.7	ug/Kg	8270C/DoD
Hg		0.033	J	0.098	mg/Kg	7471/DOD
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture
240-17796-2	**076SS-0022M-0001-SO**					
Anthracene		5.0	J	6.6	ug/Kg	8270C/DoD
Benzo[a]anthracene		7.0		6.6	ug/Kg	8270C/DoD
Benzo[a]pyrene		12		6.6	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		7.1		6.6	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		29	J	50	ug/Kg	8270C/DoD
Chrysene		7.1		6.6	ug/Kg	8270C/DoD
Dibenzofuran		8.7	J	50	ug/Kg	8270C/DoD
Fluoranthene		24		6.6	ug/Kg	8270C/DoD
Fluorene		8.9		6.6	ug/Kg	8270C/DoD
2-Methylnaphthalene		9.2		6.6	ug/Kg	8270C/DoD
Naphthalene		13		6.6	ug/Kg	8270C/DoD
Phenanthrene		39		6.6	ug/Kg	8270C/DoD
Pyrene		14		6.6	ug/Kg	8270C/DoD
Hg		0.033	J	0.092	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.4		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-3	**076SB-0024M-0001-SO**					
2-Butanone (MEK)		2.3	J	24	ug/Kg	8260B/DoD
Acetone		13	J B	24	ug/Kg	8260B/DoD
Bis(2-ethylhexyl) phthalate		58	J	120	ug/Kg	8270C/DoD
Hg		0.028	J	0.098	mg/Kg	7471/DOD
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-17796-4	**076SB-0025M-0001-SO**					
2-Butanone (MEK)		1.4	J	17	ug/Kg	8260B/DoD
Acetone		7.5	J B	17	ug/Kg	8260B/DoD
Carbon disulfide		2.4	J	4.2	ug/Kg	8260B/DoD
Bis(2-ethylhexyl) phthalate		48	J	130	ug/Kg	8270C/DoD
Hg		0.029	J	0.091	mg/Kg	7471/DOD
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture
240-17796-5	**076SB-0026M-0001-SO**					
Acetone		5.9	J B	17	ug/Kg	8260B/DoD
Acenaphthene		5.8	J	6.8	ug/Kg	8270C/DoD
Anthracene		17		6.8	ug/Kg	8270C/DoD
Benzo[a]anthracene		34		6.8	ug/Kg	8270C/DoD
Benzo[a]pyrene		34		6.8	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		33		6.8	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		16		6.8	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		15	M	6.8	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		30	J	51	ug/Kg	8270C/DoD
Chrysene		33		6.8	ug/Kg	8270C/DoD
Dibenzofuran		7.2	J	51	ug/Kg	8270C/DoD
Fluoranthene		91		6.8	ug/Kg	8270C/DoD
Fluorene		9.8		6.8	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		19		6.8	ug/Kg	8270C/DoD
2-Methylnaphthalene		8.0		6.8	ug/Kg	8270C/DoD
Naphthalene		10		6.8	ug/Kg	8270C/DoD
Phenanthrene		78		6.8	ug/Kg	8270C/DoD
Pyrene		65		6.8	ug/Kg	8270C/DoD
Hg		0.027	J	0.094	mg/Kg	7471/DOD
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-6	**076SB-0027M-0001-SO**					
Methylene Chloride		0.69	J	5.1	ug/Kg	8260B/DoD
Benzo[a]pyrene		9.7		6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		26	J	50	ug/Kg	8270C/DoD
Fluoranthene		6.0	J	6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		6.4	J	6.7	ug/Kg	8270C/DoD
Naphthalene		6.3	J	6.7	ug/Kg	8270C/DoD
Phenanthrene		8.1		6.7	ug/Kg	8270C/DoD
Pyrene		4.1	J	6.7	ug/Kg	8270C/DoD
Hg		0.042	J	0.097	mg/Kg	7471/DOD
Percent Solids		77		0.10	%	Moisture
Percent Moisture		23		0.10	%	Moisture
240-17796-7	**076SB-0028M-0001-SO**					
Carbon disulfide		2.9	J	4.9	ug/Kg	8260B/DoD
Hg		0.026	J	0.10	mg/Kg	7471/DOD
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-8	**076SB-0029M-0001-SO**					
2-Butanone (MEK)		9.6	J	24	ug/Kg	8260B/DoD
Acetone		51	B	24	ug/Kg	8260B/DoD
Carbon disulfide		3.5	J	6.0	ug/Kg	8260B/DoD
Methylene Chloride		1.3	J	6.0	ug/Kg	8260B/DoD
Toluene		0.33	J	6.0	ug/Kg	8260B/DoD
Acenaphthene		22		6.7	ug/Kg	8270C/DoD
Anthracene		72		6.7	ug/Kg	8270C/DoD
Benzo[a]anthracene		110		6.7	ug/Kg	8270C/DoD
Benzo[a]pyrene		88		6.7	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		100		6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		48		6.7	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		37	M	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		38	J	50	ug/Kg	8270C/DoD
Carbazole		28	J	50	ug/Kg	8270C/DoD
Chrysene		100		6.7	ug/Kg	8270C/DoD
Dibenz(a,h)anthracene		24		6.7	ug/Kg	8270C/DoD
Dibenzofuran		36	J	50	ug/Kg	8270C/DoD
Fluoranthene		290		6.7	ug/Kg	8270C/DoD
Fluorene		46		6.7	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		44		6.7	ug/Kg	8270C/DoD
2-Methylnaphthalene		24		6.7	ug/Kg	8270C/DoD
Naphthalene		38		6.7	ug/Kg	8270C/DoD
Phenanthrene		330		6.7	ug/Kg	8270C/DoD
Pyrene		200		6.7	ug/Kg	8270C/DoD
Hg		0.036	J	0.094	mg/Kg	7471/DOD
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-17796-9	**076SB-0053M-0001-SO**					
Bis(2-ethylhexyl) phthalate		55	J	130	ug/Kg	8270C/DoD
Hg		0.027	J	0.098	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.5		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-10	**076SS-0007M-0001-SO**					
Benzo[a]anthracene		37	D	34	ug/Kg	8270C/DoD
Benzo[a]pyrene		74	D	34	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		59	D M	34	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		30	J D M	34	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		22	J D M	34	ug/Kg	8270C/DoD
Chrysene		49	D	34	ug/Kg	8270C/DoD
Fluoranthene		63	D	34	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		50	D	34	ug/Kg	8270C/DoD
2-Methylnaphthalene		27	J D	34	ug/Kg	8270C/DoD
Naphthalene		26	J D	34	ug/Kg	8270C/DoD
Phenanthrene		39	D	34	ug/Kg	8270C/DoD
Pyrene		48	D	34	ug/Kg	8270C/DoD
Aroclor-1260		24	J	56	ug/Kg	8082/DOD
Hg		0.045	J	0.095	mg/Kg	7471/DOD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.8		0.10	%	Moisture
240-17796-11	**076SB-0054M-0001-SO**					
Hg		0.016	J	0.094	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.0		0.10	%	Moisture
240-17796-12	**076SB-0055M-0001-SO**					
Hg		0.017	J	0.095	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture
240-17796-13	**076SB-0056M-0001-SO**					
Bis(2-ethylhexyl) phthalate		26	J	51	ug/Kg	8270C/DoD
2-Methylnaphthalene		4.7	J	6.8	ug/Kg	8270C/DoD
Naphthalene		3.8	J	6.8	ug/Kg	8270C/DoD
Hg		0.021	J	0.094	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-14	**076SB-0057M-0001-SO**					
Bis(2-ethylhexyl) phthalate		24	J	51	ug/Kg	8270C/DoD
2-Methylnaphthalene		6.2	J	6.7	ug/Kg	8270C/DoD
Naphthalene		5.1	J	6.7	ug/Kg	8270C/DoD
Pyrene		5.6	J	6.7	ug/Kg	8270C/DoD
Hg		0.021	J	0.092	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture
240-17796-15	**076SB-0058M-0001-SO**					
Benzo[b]fluoranthene		4.2	J	6.7	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		5.1	J	6.7	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		35	J	50	ug/Kg	8270C/DoD
2-Methylnaphthalene		9.0		6.7	ug/Kg	8270C/DoD
Naphthalene		10		6.7	ug/Kg	8270C/DoD
Pyrene		5.8	J	6.7	ug/Kg	8270C/DoD
Hg		0.014	J	0.097	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.2		0.10	%	Moisture
240-17796-16	**076SB-0059M-0001-SO**					
Benzo[b]fluoranthene		4.2	J	6.8	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		27	J	51	ug/Kg	8270C/DoD
Fluoranthene		4.0	J	6.8	ug/Kg	8270C/DoD
2-Methylnaphthalene		9.3	M	6.8	ug/Kg	8270C/DoD
Naphthalene		6.2	J	6.8	ug/Kg	8270C/DoD
Phenanthrene		5.8	J	6.8	ug/Kg	8270C/DoD
Pyrene		4.8	J	6.8	ug/Kg	8270C/DoD
Hg		0.018	J	0.097	mg/Kg	7471/DOD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.1		0.10	%	Moisture
240-17796-20	**076-0067-0001-ER**					
Methylene Chloride		0.36	J B	1.0	ug/L	8260B/DoD
Chloroform		0.61	J	1.0	ug/L	8260B/DoD
C6-C12		33	J	100	ug/L	8015B
Total Recoverable						
Antimony		0.34	J	2.0	ug/L	6020/DOD
Chromium		0.60	J	2.0	ug/L	6020/DOD
Manganese		3.5	J	5.0	ug/L	6020/DOD
Nickel		20		5.0	ug/L	6020/DOD
Thallium		0.75	J	2.0	ug/L	6020/DOD
Zinc		10	J	40	ug/L	6020/DOD

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-21	**076-0068-0001-TB**					
Methylene Chloride		0.84	J B	1.0	ug/L	8260B/DoD
240-17796-22	**076SB-0060M-0001-SO**					
Acetone		8.7	J B	21	ug/Kg	8260B/DoD
Carbon disulfide		3.1	J	5.2	ug/Kg	8260B/DoD
Acenaphthylene		18	J D	34	ug/Kg	8270C/DoD
Anthracene		17	J D	34	ug/Kg	8270C/DoD
Benzo[a]anthracene		92	D	34	ug/Kg	8270C/DoD
Benzo[a]pyrene		120	D	34	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		87	D	34	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		58	D	34	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		55	D M	34	ug/Kg	8270C/DoD
Chrysene		110	D	34	ug/Kg	8270C/DoD
Fluoranthene		190	D	34	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		66	D	34	ug/Kg	8270C/DoD
Naphthalene		24	J D	34	ug/Kg	8270C/DoD
Phenanthrene		100	D	34	ug/Kg	8270C/DoD
Pyrene		140	D	34	ug/Kg	8270C/DoD
Hg		0.026	J	0.097	mg/Kg	7471/DOD
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-17796-23	**076SB-0061M-0001-SO**					
2-Butanone (MEK)		4.3	J	9.7	ug/Kg	8260B/DoD
Acetone		57	B	9.7	ug/Kg	8260B/DoD
Carbon disulfide		1.4	J	2.4	ug/Kg	8260B/DoD
Bis(2-ethylhexyl) phthalate		54	J	130	ug/Kg	8270C/DoD
Hg		0.017	J	0.10	mg/Kg	7471/DOD
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-24	**076SB-0062M-0001-SO**					
2-Butanone (MEK)		1.3	J	18	ug/Kg	8260B/DoD
Acetone		9.9	J B	18	ug/Kg	8260B/DoD
Benzo[a]pyrene		9.8		6.6	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		5.4	J	6.6	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		26	J	49	ug/Kg	8270C/DoD
Fluoranthene		6.2	J	6.6	ug/Kg	8270C/DoD
2-Methylnaphthalene		4.5	J	6.6	ug/Kg	8270C/DoD
Naphthalene		4.6	J	6.6	ug/Kg	8270C/DoD
Phenanthrene		5.1	J	6.6	ug/Kg	8270C/DoD
Pyrene		4.7	J	6.6	ug/Kg	8270C/DoD
Hg		0.028	J	0.097	mg/Kg	7471/DOD
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-17796-25	**076SB-0063M-0001-SO**					
2-Butanone (MEK)		13	J	23	ug/Kg	8260B/DoD
Acetone		59	B	23	ug/Kg	8260B/DoD
Carbon disulfide		3.5	J	5.9	ug/Kg	8260B/DoD
Ethylbenzene		2.4	J	5.9	ug/Kg	8260B/DoD
Toluene		1.0	J	5.9	ug/Kg	8260B/DoD
Xylenes, Total		14		12	ug/Kg	8260B/DoD
Benzo[b]fluoranthene		5.7	J	6.6	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		25	J	50	ug/Kg	8270C/DoD
Fluoranthene		7.6		6.6	ug/Kg	8270C/DoD
2-Methylnaphthalene		25		6.6	ug/Kg	8270C/DoD
Naphthalene		16		6.6	ug/Kg	8270C/DoD
Phenanthrene		7.4		6.6	ug/Kg	8270C/DoD
Pyrene		5.8	J	6.6	ug/Kg	8270C/DoD
Hg		0.024	J	0.10	mg/Kg	7471/DOD
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-17796-26	**076SB-0064M-0001-SO**					
2-Butanone (MEK)		2.4	J	17	ug/Kg	8260B/DoD
Acetone		28	B	17	ug/Kg	8260B/DoD
Carbon disulfide		2.6	J	4.2	ug/Kg	8260B/DoD
Hg		0.023	J	0.12	mg/Kg	7471/DOD
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-27	**076SB-0065M-0001-SO**					
2-Butanone (MEK)		1.7	J	21	ug/Kg	8260B/DoD
Acetone		15	J B	21	ug/Kg	8260B/DoD
Carbon disulfide		3.2	J	5.3	ug/Kg	8260B/DoD
Benzo[a]anthracene		32		17	ug/Kg	8270C/DoD
Benzo[a]pyrene		39		17	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		43		17	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		21		17	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		9.4	J M	17	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		50	J	130	ug/Kg	8270C/DoD
Chrysene		29		17	ug/Kg	8270C/DoD
Fluoranthene		59		17	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		26		17	ug/Kg	8270C/DoD
Phenanthrene		34		17	ug/Kg	8270C/DoD
Pyrene		43		17	ug/Kg	8270C/DoD
Hg		0.027	J	0.098	mg/Kg	7471/DOD
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-17796-28	**076SB-0066M-0001-SO**					
2-Butanone (MEK)		7.3	J	18	ug/Kg	8260B/DoD
Acetone		66	B	18	ug/Kg	8260B/DoD
Methylene Chloride		0.91	J	4.6	ug/Kg	8260B/DoD
Benzo[a]anthracene		130	D	67	ug/Kg	8270C/DoD
Benzo[a]pyrene		170	D	67	ug/Kg	8270C/DoD
Benzo[b]fluoranthene		190	D	67	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		68	D M	67	ug/Kg	8270C/DoD
Benzo[k]fluoranthene		45	J D M	67	ug/Kg	8270C/DoD
Chrysene		140	D	67	ug/Kg	8270C/DoD
Fluoranthene		260	D	67	ug/Kg	8270C/DoD
Indeno[1,2,3-cd]pyrene		100	D	67	ug/Kg	8270C/DoD
Phenanthrene		140	D	67	ug/Kg	8270C/DoD
Pyrene		190	D	67	ug/Kg	8270C/DoD
Hg		0.043	J	0.097	mg/Kg	7471/DOD
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-17796-29	**076SB-0044M-0001-SO**					
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.8		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-17796-30	**076SB-0045M-0001-SO**					
Percent Solids		99		0.10	%	Moisture
Percent Moisture		1.3		0.10	%	Moisture
240-17796-31	**076SB-0046M-0001-SO**					
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.5		0.10	%	Moisture
240-17796-32	**076SB-0047M-0001-SO**					
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.9		0.10	%	Moisture
240-17796-33	**076SB-0048M-0001-SO**					
Phenanthrene		3.5	J	6.6	ug/Kg	8270C/DoD
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.8		0.10	%	Moisture
240-17796-34	**076SB-0049M-0001-SO**					
Percent Solids		98		0.10	%	Moisture
Percent Moisture		1.6		0.10	%	Moisture
240-17796-35	**076SB-0050M-0001-SO**					
Bis(2-ethylhexyl) phthalate		47	J	120	ug/Kg	8270C/DoD
Percent Solids		99		0.10	%	Moisture
Percent Moisture		0.90		0.10	%	Moisture
240-17796-36	**076SB-0051M-0001-SO**					
Benzo[b]fluoranthene		4.2	J	8.4	ug/Kg	8270C/DoD
Benzo[g,h,i]perylene		12	M	8.4	ug/Kg	8270C/DoD
Bis(2-ethylhexyl) phthalate		29	J	63	ug/Kg	8270C/DoD
2-Methylnaphthalene		8.6		8.4	ug/Kg	8270C/DoD
Pyrene		6.7	J	8.4	ug/Kg	8270C/DoD
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture
240-17796-37	**076SB-0052-0001-TB**					
Methylene Chloride		0.77	J B	1.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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	
Soxhlet Extraction	TAL NC		SW846 3540C
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
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082/DOD	
Incremental Sampling Method - Dry, Disaggregate, Split	TAL NC		EPA Increment, Prep
Soxhlet Extraction			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	
Nitroguanidine (HPLC)	TAL WSC	SW846 8330 Modified	
Sieve and Ultrasonic Water Bath Extraction (Explosives)	TAL WSC		SW846 Sieve/Ultrasoni
Nitroaromatics and Nitramines (HPLC)	TAL WSC	SW846 8330B	
Sonication Extraction (Explosives)	TAL WSC		SW846 8330B
Nitrocellulose	TAL WSC	TAL-SAC WS-WC-0050	
Nitrocellulose Sample Preparation (Hydrolysis)	TAL WSC		MCAWW 353 (NCell-Hyd)
Nitrocellulose Sample Preparation	TAL WSC		MCAWW 353.2 (NCell)
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL NC	SW846 8260B/DoD	
Purge and Trap	TAL NC		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL NC	SW846 8270C/DoD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Gasoline Range Organics - (GC)	TAL NC	SW846 8015B	
Purge and Trap	TAL NC		SW846 5030B
Organochlorine Pesticides (GC)	TAL NC	SW846 8081/DOD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL NC	SW846 8082/DOD	
Liquid-Liquid Extraction (Continuous)	TAL NC		SW846 3520C
Herbicides (GC)	TAL NC	SW846 8151/DOD	
Extraction (Herbicides)	TAL NC		SW846 8151A
Metals (ICP/MS)	TAL NC	SW846 6020/DOD	
Preparation, Total Recoverable or Dissolved Metals	TAL NC		SW846 3005A
Mercury (CVAA)	TAL NC	SW846 7470A/DOD	
Preparation, Mercury	TAL NC		SW846 7470A

METHOD SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Nitroguanidine (HPLC)	TAL WSC	SW846 8330 Modified	
Sample Filtration	TAL WSC		Filtration
Nitroaromatics and Nitramines (HPLC)	TAL WSC	SW846 8330B	
Solid-Phase Extraction (Explosives)	TAL WSC		SW846 8330-Prep
Nitrocellulose	TAL WSC	TAL-SAC WS-WC-0050	
Nitrocellulose Sample Preparation (Hydrolysis)	TAL WSC		MCAWW 353 (NCell-Hyd)
Nitrocellulose Sample Preparation	TAL WSC		MCAWW 353.2 (NCell)

Lab References:

TAL NC = TestAmerica Canton

TAL WSC = TestAmerica West Sacramento

Method References:

EPA = US Environmental Protection Agency

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

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

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

METHOD / ANALYST SUMMARY

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Macenczak, Steven	SM
SW846 8260B/DoD	Quayle, Rick	RQ
SW846 8270C/DoD	Gruber, John	JG
SW846 8270C/DoD	Ulman, Mark	MU
SW846 8015B	Bosworth, Heather M	HMB
SW846 8081/DOD	Van Doren, Carolyn	CV
SW846 8082/DOD	Hass, Lori	LH
SW846 8151/DOD	Roach, Carolynne	CR
SW846 6020/DOD	Toth, Natalie J	NJT
SW846 7470A/DOD	Heakin, David	DH
SW846 7471/DOD	Heakin, David	DH
SW846 7196A	Grossman, Lucas	LG
EPA Moisture	Harshman, Tom	TH
TAL-SAC WS-WC-0050	Baynes, Jason	JB
SW846 8330 Modified	Noonan, Robyn	RN
SW846 8330B	Noonan, Robyn	RN

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0023M-0001-SO**

Lab Sample ID: 240-17796-1 Date Sampled: 11/15/2012 0915
Client Matrix: Solid % Moisture: 11.5 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149450.D
Dilution:	1.0			Initial Weight/Volume:	6.443 g
Analysis Date:	11/26/2012 1729			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.88	U	0.49	4.4
1,1,2,2-Tetrachloroethane		0.44	U	0.30	4.4
1,1,2-Trichloroethane		0.44	U	0.34	4.4
1,1-Dichloroethane		0.44	U	0.32	4.4
1,1-Dichloroethene		0.88	U	0.46	4.4
1,2-Dibromoethane		0.88	U	0.44	4.4
1,2-Dichloroethane		0.44	U	0.30	4.4
1,2-Dichloroethene, Total		0.88	U	0.67	8.8
1,2-Dichloropropane		0.88	U	0.60	4.4
2-Butanone (MEK)		1.5	J	1.2	18
2-Hexanone		0.88	U	0.55	18
4-Methyl-2-pentanone (MIBK)		0.88	U	0.47	18
Acetone		5.5	U	5.5	18
Benzene		0.44	U	0.20	4.4
Bromochloromethane		0.88	U	0.62	4.4
Bromodichloromethane		0.44	U	0.25	4.4
Bromoform		0.44	U	0.29	4.4
Bromomethane		0.88	U	0.47	4.4
Carbon disulfide		0.44	U	0.39	4.4
Carbon tetrachloride		0.44	U	0.32	4.4
Chlorobenzene		0.44	U	0.29	4.4
Chloroethane		0.88	U	0.75	4.4
Chloroform		0.44	U	0.25	4.4
Chloromethane		0.44	U	0.36	4.4
cis-1,3-Dichloropropene		0.44	U	0.30	4.4
Dibromochloromethane		0.88	U	0.48	4.4
Ethylbenzene		0.44	U	0.23	4.4
Methyl tert-butyl ether		0.44	U	0.38	4.4
Methylene Chloride		0.88	U	0.59	4.4
Styrene		0.44	U	0.13	4.4
Tetrachloroethene		0.88	U	0.46	4.4
Toluene		0.44	U	0.24	4.4
trans-1,3-Dichloropropene		0.88	U	0.47	4.4
Trichloroethene		0.44	U	0.37	4.4
Vinyl chloride		0.44	U	0.34	4.4
Xylenes, Total		1.3	U	0.59	8.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		61 - 130
4-Bromofluorobenzene (Surr)	90		85 - 120
Dibromofluoromethane (Surr)	81		59 - 138
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0024M-0001-SO**

Lab Sample ID: 240-17796-3 Date Sampled: 11/15/2012 1020
Client Matrix: Solid % Moisture: 14.2 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149451.D
Dilution:	1.0			Initial Weight/Volume:	4.929 g
Analysis Date:	11/26/2012 1751			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.2	U	0.66	5.9
1,1,2,2-Tetrachloroethane		0.59	U	0.40	5.9
1,1,2-Trichloroethane		0.59	U	0.46	5.9
1,1-Dichloroethane		0.59	U	0.43	5.9
1,1-Dichloroethene		1.2	U	0.61	5.9
1,2-Dibromoethane		1.2	U	0.59	5.9
1,2-Dichloroethane		0.59	U	0.40	5.9
1,2-Dichloroethene, Total		1.2	U	0.91	12
1,2-Dichloropropane		1.2	U	0.82	5.9
2-Butanone (MEK)		2.3	J	1.7	24
2-Hexanone		1.2	U	0.74	24
4-Methyl-2-pentanone (MIBK)		1.2	U	0.64	24
Acetone		13	J B	7.4	24
Benzene		0.59	U	0.27	5.9
Bromochloromethane		1.2	U	0.84	5.9
Bromodichloromethane		0.59	U	0.33	5.9
Bromoform		0.59	U	0.39	5.9
Bromomethane		1.2	U	0.64	5.9
Carbon disulfide		0.59	U	0.52	5.9
Carbon tetrachloride		0.59	U	0.44	5.9
Chlorobenzene		0.59	U	0.39	5.9
Chloroethane		1.2	U	1.0	5.9
Chloroform		0.59	U	0.34	5.9
Chloromethane		0.59	U	0.48	5.9
cis-1,3-Dichloropropene		0.59	U	0.40	5.9
Dibromochloromethane		1.2	U	0.65	5.9
Ethylbenzene		0.59	U	0.31	5.9
Methyl tert-butyl ether		0.59	U	0.51	5.9
Methylene Chloride		1.2	U	0.79	5.9
Styrene		0.59	U	0.18	5.9
Tetrachloroethene		1.2	U	0.61	5.9
Toluene		0.59	U	0.32	5.9
trans-1,3-Dichloropropene		1.2	U	0.64	5.9
Trichloroethene		0.59	U	0.50	5.9
Vinyl chloride		0.59	U	0.46	5.9
Xylenes, Total		1.8	U	0.79	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		61 - 130
4-Bromofluorobenzene (Surr)	88		85 - 120
Dibromofluoromethane (Surr)	81		59 - 138
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0025M-0001-SO**

Lab Sample ID: 240-17796-4 Date Sampled: 11/15/2012 0900
Client Matrix: Solid % Moisture: 10.4 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149452.D
Dilution:	1.0			Initial Weight/Volume:	6.68 g
Analysis Date:	11/26/2012 1812			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.83	U	0.47	4.2
1,1,2,2-Tetrachloroethane		0.42	U	0.28	4.2
1,1,2-Trichloroethane		0.42	U	0.33	4.2
1,1-Dichloroethane		0.42	U	0.30	4.2
1,1-Dichloroethene		0.83	U	0.43	4.2
1,2-Dibromoethane		0.83	U	0.42	4.2
1,2-Dichloroethane		0.42	U	0.28	4.2
1,2-Dichloroethene, Total		0.83	U	0.64	8.3
1,2-Dichloropropane		0.83	U	0.58	4.2
2-Butanone (MEK)		1.4	J	1.2	17
2-Hexanone		0.83	U	0.53	17
4-Methyl-2-pentanone (MIBK)		0.83	U	0.45	17
Acetone		7.5	J B	5.3	17
Benzene		0.42	U	0.19	4.2
Bromochloromethane		0.83	U	0.59	4.2
Bromodichloromethane		0.42	U	0.23	4.2
Bromoform		0.42	U	0.28	4.2
Bromomethane		0.83	U	0.45	4.2
Carbon disulfide		2.4	J	0.37	4.2
Carbon tetrachloride		0.42	U	0.31	4.2
Chlorobenzene		0.42	U	0.28	4.2
Chloroethane		0.83	U	0.72	4.2
Chloroform		0.42	U	0.24	4.2
Chloromethane		0.42	U	0.34	4.2
cis-1,3-Dichloropropene		0.42	U	0.28	4.2
Dibromochloromethane		0.83	U	0.46	4.2
Ethylbenzene		0.42	U	0.22	4.2
Methyl tert-butyl ether		0.42	U	0.36	4.2
Methylene Chloride		0.83	U	0.56	4.2
Styrene		0.42	U	0.13	4.2
Tetrachloroethene		0.83	U	0.43	4.2
Toluene		0.42	U	0.23	4.2
trans-1,3-Dichloropropene		0.83	U	0.45	4.2
Trichloroethene		0.42	U	0.35	4.2
Vinyl chloride		0.42	U	0.33	4.2
Xylenes, Total		1.3	U	0.56	8.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		61 - 130
4-Bromofluorobenzene (Surr)	92		85 - 120
Dibromofluoromethane (Surr)	80		59 - 138
Toluene-d8 (Surr)	94		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0026M-0001-SO**

Lab Sample ID: 240-17796-5 Date Sampled: 11/15/2012 0920
Client Matrix: Solid % Moisture: 13.0 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149453.D
Dilution:	1.0			Initial Weight/Volume:	6.633 g
Analysis Date:	11/26/2012 1834			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.87	U	0.49	4.3
1,1,2,2-Tetrachloroethane		0.43	U	0.29	4.3
1,1,2-Trichloroethane		0.43	U	0.34	4.3
1,1-Dichloroethane		0.43	U	0.31	4.3
1,1-Dichloroethene		0.87	U	0.45	4.3
1,2-Dibromoethane		0.87	U	0.43	4.3
1,2-Dichloroethane		0.43	U	0.29	4.3
1,2-Dichloroethene, Total		0.87	U	0.67	8.7
1,2-Dichloropropane		0.87	U	0.60	4.3
2-Butanone (MEK)		1.7	U	1.2	17
2-Hexanone		0.87	U	0.55	17
4-Methyl-2-pentanone (MIBK)		0.87	U	0.47	17
Acetone		5.9	J B	5.5	17
Benzene		0.43	U	0.20	4.3
Bromochloromethane		0.87	U	0.62	4.3
Bromodichloromethane		0.43	U	0.24	4.3
Bromoform		0.43	U	0.29	4.3
Bromomethane		0.87	U	0.47	4.3
Carbon disulfide		0.43	U	0.38	4.3
Carbon tetrachloride		0.43	U	0.32	4.3
Chlorobenzene		0.43	U	0.29	4.3
Chloroethane		0.87	U	0.75	4.3
Chloroform		0.43	U	0.25	4.3
Chloromethane		0.43	U	0.36	4.3
cis-1,3-Dichloropropene		0.43	U	0.29	4.3
Dibromochloromethane		0.87	U	0.48	4.3
Ethylbenzene		0.43	U	0.23	4.3
Methyl tert-butyl ether		0.43	U	0.37	4.3
Methylene Chloride		0.87	U	0.58	4.3
Styrene		0.43	U	0.13	4.3
Tetrachloroethene		0.87	U	0.45	4.3
Toluene		0.43	U	0.23	4.3
trans-1,3-Dichloropropene		0.87	U	0.47	4.3
Trichloroethene		0.43	U	0.36	4.3
Vinyl chloride		0.43	U	0.34	4.3
Xylenes, Total		1.3	U	0.58	8.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		61 - 130
4-Bromofluorobenzene (Surr)	87		85 - 120
Dibromofluoromethane (Surr)	81		59 - 138
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0027M-0001-SO**

Lab Sample ID: 240-17796-6 Date Sampled: 11/15/2012 0940
Client Matrix: Solid % Moisture: 22.8 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149454.D
Dilution:	1.0			Initial Weight/Volume:	6.294 g
Analysis Date:	11/26/2012 1855			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.0	U	0.58	5.1
1,1,2,2-Tetrachloroethane		0.51	U	0.35	5.1
1,1,2-Trichloroethane		0.51	U	0.40	5.1
1,1-Dichloroethane		0.51	U	0.37	5.1
1,1-Dichloroethene		1.0	U	0.54	5.1
1,2-Dibromoethane		1.0	U	0.51	5.1
1,2-Dichloroethane		0.51	U	0.35	5.1
1,2-Dichloroethene, Total		1.0	U	0.79	10
1,2-Dichloropropane		1.0	U	0.71	5.1
2-Butanone (MEK)		2.1	U	1.4	21
2-Hexanone		1.0	U	0.65	21
4-Methyl-2-pentanone (MIBK)		1.0	U	0.56	21
Acetone		6.5	U	6.5	21
Benzene		0.51	U	0.24	5.1
Bromochloromethane		1.0	U	0.73	5.1
Bromodichloromethane		0.51	U	0.29	5.1
Bromoform		0.51	U	0.34	5.1
Bromomethane		1.0	U	0.56	5.1
Carbon disulfide		0.51	U	0.45	5.1
Carbon tetrachloride		0.51	U	0.38	5.1
Chlorobenzene		0.51	U	0.34	5.1
Chloroethane		1.0	U	0.89	5.1
Chloroform		0.51	U	0.30	5.1
Chloromethane		0.51	U	0.42	5.1
cis-1,3-Dichloropropene		0.51	U	0.35	5.1
Dibromochloromethane		1.0	U	0.57	5.1
Ethylbenzene		0.51	U	0.27	5.1
Methyl tert-butyl ether		0.51	U	0.44	5.1
Methylene Chloride		0.69	J	0.69	5.1
Styrene		0.51	U	0.15	5.1
Tetrachloroethene		1.0	U	0.54	5.1
Toluene		0.51	U	0.28	5.1
trans-1,3-Dichloropropene		1.0	U	0.56	5.1
Trichloroethene		0.51	U	0.43	5.1
Vinyl chloride		0.51	U	0.40	5.1
Xylenes, Total		1.5	U	0.69	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		61 - 130
4-Bromofluorobenzene (Surr)	99		85 - 120
Dibromofluoromethane (Surr)	82		59 - 138
Toluene-d8 (Surr)	100		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0028M-0001-SO**

Lab Sample ID: 240-17796-7 Date Sampled: 11/15/2012 1000
Client Matrix: Solid % Moisture: 15.5 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149455.D
Dilution:	1.0			Initial Weight/Volume:	6.097 g
Analysis Date:	11/26/2012 1917			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

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	0.50	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	0.52	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	0.52	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	0.83	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	0.50	4.9
Toluene		0.49	U	0.26	4.9
trans-1,3-Dichloropropene		0.97	U	0.52	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)	87		85 - 120
Dibromofluoromethane (Surr)	82		59 - 138
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0029M-0001-SO**

Lab Sample ID: 240-17796-8 Date Sampled: 11/15/2012 1225
Client Matrix: Solid % Moisture: 20.8 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149456.D
Dilution:	1.0			Initial Weight/Volume:	5.291 g
Analysis Date:	11/26/2012 1938			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.2	U	0.67	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	0.43	6.0
1,1-Dichloroethene		1.2	U	0.62	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	0.92	12
1,2-Dichloropropane		1.2	U	0.82	6.0
2-Butanone (MEK)		9.6	J	1.7	24
2-Hexanone		1.2	U	0.75	24
4-Methyl-2-pentanone (MIBK)		1.2	U	0.64	24
Acetone		51	B	7.5	24
Benzene		0.60	U	0.27	6.0
Bromochloromethane		1.2	U	0.85	6.0
Bromodichloromethane		0.60	U	0.33	6.0
Bromoform		0.60	U	0.39	6.0
Bromomethane		1.2	U	0.64	6.0
Carbon disulfide		3.5	J	0.53	6.0
Carbon tetrachloride		0.60	U	0.44	6.0
Chlorobenzene		0.60	U	0.39	6.0
Chloroethane		1.2	U	1.0	6.0
Chloroform		0.60	U	0.35	6.0
Chloromethane		0.60	U	0.49	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	0.51	6.0
Methylene Chloride		1.3	J	0.80	6.0
Styrene		0.60	U	0.18	6.0
Tetrachloroethene		1.2	U	0.62	6.0
Toluene		0.33	J	0.32	6.0
trans-1,3-Dichloropropene		1.2	U	0.64	6.0
Trichloroethene		0.60	U	0.50	6.0
Vinyl chloride		0.60	U	0.47	6.0
Xylenes, Total		1.8	U	0.80	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		61 - 130
4-Bromofluorobenzene (Surr)	94		85 - 120
Dibromofluoromethane (Surr)	79		59 - 138
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

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:	UXX1136.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1347			Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1347				

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	0.61	J	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)	107		85 - 120
1,2-Dichloroethane-d4 (Surr)	113		70 - 120
4-Bromofluorobenzene (Surr)	82		75 - 120
Dibromofluoromethane (Surr)	108		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0068-0001-TB**

Lab Sample ID: 240-17796-21 Date Sampled: 11/15/2012 0800
Client Matrix: Water Date Received: 11/16/2012 1842

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:	UXX1138.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1431			Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1431				

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	0.84	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)	100		85 - 120
1,2-Dichloroethane-d4 (Surr)	110		70 - 120
4-Bromofluorobenzene (Surr)	77		75 - 120
Dibromofluoromethane (Surr)	107		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0060M-0001-SO**

Lab Sample ID: 240-17796-22 Date Sampled: 11/15/2012 1735
Client Matrix: Solid % Moisture: 21.5 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149457.D
Dilution:	1.0			Initial Weight/Volume:	6.127 g
Analysis Date:	11/26/2012 2000			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

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	0.41	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	0.80	10
1,2-Dichloropropane		1.0	U	0.72	5.2
2-Butanone (MEK)		2.1	U	1.5	21
2-Hexanone		1.0	U	0.65	21
4-Methyl-2-pentanone (MIBK)		1.0	U	0.56	21
Acetone		8.7	J B	6.5	21
Benzene		0.52	U	0.24	5.2
Bromochloromethane		1.0	U	0.74	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	0.46	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	0.43	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	0.45	5.2
Methylene Chloride		1.0	U	0.70	5.2
Styrene		0.52	U	0.16	5.2
Tetrachloroethene		1.0	U	0.54	5.2
Toluene		0.52	U	0.28	5.2
trans-1,3-Dichloropropene		1.0	U	0.56	5.2
Trichloroethene		0.52	U	0.44	5.2
Vinyl chloride		0.52	U	0.41	5.2
Xylenes, Total		1.6	U	0.70	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		61 - 130
4-Bromofluorobenzene (Surr)	89		85 - 120
Dibromofluoromethane (Surr)	81		59 - 138
Toluene-d8 (Surr)	95		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0061M-0001-SO**

Lab Sample ID: 240-17796-23 Date Sampled: 11/15/2012 1735
Client Matrix: Solid % Moisture: 12.6 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149458.D
Dilution:	1.0			Initial Weight/Volume:	11.841 g
Analysis Date:	11/26/2012 2021			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.48	U	0.27	2.4
1,1,2,2-Tetrachloroethane		0.24	U	0.16	2.4
1,1,2-Trichloroethane		0.24	U	0.19	2.4
1,1-Dichloroethane		0.24	U	0.17	2.4
1,1-Dichloroethene		0.48	U	0.25	2.4
1,2-Dibromoethane		0.48	U	0.24	2.4
1,2-Dichloroethane		0.24	U	0.16	2.4
1,2-Dichloroethene, Total		0.48	U	0.37	4.8
1,2-Dichloropropane		0.48	U	0.33	2.4
2-Butanone (MEK)		4.3	J	0.68	9.7
2-Hexanone		0.48	U	0.30	9.7
4-Methyl-2-pentanone (MIBK)		0.48	U	0.26	9.7
Acetone		57	B	3.0	9.7
Benzene		0.24	U	0.11	2.4
Bromochloromethane		0.48	U	0.34	2.4
Bromodichloromethane		0.24	U	0.14	2.4
Bromoform		0.24	U	0.16	2.4
Bromomethane		0.48	U	0.26	2.4
Carbon disulfide		1.4	J	0.21	2.4
Carbon tetrachloride		0.24	U	0.18	2.4
Chlorobenzene		0.24	U	0.16	2.4
Chloroethane		0.48	U	0.42	2.4
Chloroform		0.24	U	0.14	2.4
Chloromethane		0.24	U	0.20	2.4
cis-1,3-Dichloropropene		0.24	U	0.16	2.4
Dibromochloromethane		0.48	U	0.27	2.4
Ethylbenzene		0.24	U	0.13	2.4
Methyl tert-butyl ether		0.24	U	0.21	2.4
Methylene Chloride		0.48	U	0.32	2.4
Styrene		0.24	U	0.073	2.4
Tetrachloroethene		0.48	U	0.25	2.4
Toluene		0.24	U	0.13	2.4
trans-1,3-Dichloropropene		0.48	U	0.26	2.4
Trichloroethene		0.24	U	0.20	2.4
Vinyl chloride		0.24	U	0.19	2.4
Xylenes, Total		0.73	U	0.32	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		61 - 130
4-Bromofluorobenzene (Surr)	86		85 - 120
Dibromofluoromethane (Surr)	77		59 - 138
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0062M-0001-SO**

Lab Sample ID: 240-17796-24 Date Sampled: 11/15/2012 1705
Client Matrix: Solid % Moisture: 14.8 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149459.D
Dilution:	1.0			Initial Weight/Volume:	6.676 g
Analysis Date:	11/26/2012 2043			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.88	U	0.49	4.4
1,1,2,2-Tetrachloroethane		0.44	U	0.30	4.4
1,1,2-Trichloroethane		0.44	U	0.34	4.4
1,1-Dichloroethane		0.44	U	0.32	4.4
1,1-Dichloroethene		0.88	U	0.46	4.4
1,2-Dibromoethane		0.88	U	0.44	4.4
1,2-Dichloroethane		0.44	U	0.30	4.4
1,2-Dichloroethene, Total		0.88	U	0.68	8.8
1,2-Dichloropropane		0.88	U	0.61	4.4
2-Butanone (MEK)		1.3	J	1.2	18
2-Hexanone		0.88	U	0.55	18
4-Methyl-2-pentanone (MIBK)		0.88	U	0.47	18
Acetone		9.9	J B	5.5	18
Benzene		0.44	U	0.20	4.4
Bromochloromethane		0.88	U	0.62	4.4
Bromodichloromethane		0.44	U	0.25	4.4
Bromoform		0.44	U	0.29	4.4
Bromomethane		0.88	U	0.47	4.4
Carbon disulfide		0.44	U	0.39	4.4
Carbon tetrachloride		0.44	U	0.33	4.4
Chlorobenzene		0.44	U	0.29	4.4
Chloroethane		0.88	U	0.76	4.4
Chloroform		0.44	U	0.25	4.4
Chloromethane		0.44	U	0.36	4.4
cis-1,3-Dichloropropene		0.44	U	0.30	4.4
Dibromochloromethane		0.88	U	0.48	4.4
Ethylbenzene		0.44	U	0.23	4.4
Methyl tert-butyl ether		0.44	U	0.38	4.4
Methylene Chloride		0.88	U	0.59	4.4
Styrene		0.44	U	0.13	4.4
Tetrachloroethene		0.88	U	0.46	4.4
Toluene		0.44	U	0.24	4.4
trans-1,3-Dichloropropene		0.88	U	0.47	4.4
Trichloroethene		0.44	U	0.37	4.4
Vinyl chloride		0.44	U	0.34	4.4
Xylenes, Total		1.3	U	0.59	8.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		61 - 130
4-Bromofluorobenzene (Surr)	86		85 - 120
Dibromofluoromethane (Surr)	80		59 - 138
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0063M-0001-SO**

Lab Sample ID: 240-17796-25 Date Sampled: 11/15/2012 1715
Client Matrix: Solid % Moisture: 19.8 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149460.D
Dilution:	1.0			Initial Weight/Volume:	5.313 g
Analysis Date:	11/26/2012 2105			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.2	U	0.66	5.9
1,1,2,2-Tetrachloroethane		0.59	U	0.40	5.9
1,1,2-Trichloroethane		0.59	U	0.46	5.9
1,1-Dichloroethane		0.59	U	0.42	5.9
1,1-Dichloroethene		1.2	U	0.61	5.9
1,2-Dibromoethane		1.2	U	0.59	5.9
1,2-Dichloroethane		0.59	U	0.40	5.9
1,2-Dichloroethene, Total		1.2	U	0.90	12
1,2-Dichloropropane		1.2	U	0.81	5.9
2-Butanone (MEK)		13	J	1.6	23
2-Hexanone		1.2	U	0.74	23
4-Methyl-2-pentanone (MIBK)		1.2	U	0.63	23
Acetone		59	B	7.4	23
Benzene		0.59	U	0.27	5.9
Bromochloromethane		1.2	U	0.83	5.9
Bromodichloromethane		0.59	U	0.33	5.9
Bromoform		0.59	U	0.39	5.9
Bromomethane		1.2	U	0.63	5.9
Carbon disulfide		3.5	J	0.52	5.9
Carbon tetrachloride		0.59	U	0.43	5.9
Chlorobenzene		0.59	U	0.39	5.9
Chloroethane		1.2	U	1.0	5.9
Chloroform		0.59	U	0.34	5.9
Chloromethane		0.59	U	0.48	5.9
cis-1,3-Dichloropropene		0.59	U	0.40	5.9
Dibromochloromethane		1.2	U	0.65	5.9
Ethylbenzene		2.4	J	0.30	5.9
Methyl tert-butyl ether		0.59	U	0.50	5.9
Methylene Chloride		1.2	U	0.79	5.9
Styrene		0.59	U	0.18	5.9
Tetrachloroethene		1.2	U	0.61	5.9
Toluene		1.0	J	0.32	5.9
trans-1,3-Dichloropropene		1.2	U	0.63	5.9
Trichloroethene		0.59	U	0.49	5.9
Vinyl chloride		0.59	U	0.46	5.9
Xylenes, Total		14		0.79	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		61 - 130
4-Bromofluorobenzene (Surr)	107		85 - 120
Dibromofluoromethane (Surr)	78		59 - 138
Toluene-d8 (Surr)	99		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0064M-0001-SO**

Lab Sample ID: 240-17796-26 Date Sampled: 11/15/2012 1725
Client Matrix: Solid % Moisture: 12.1 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149461.D
Dilution:	1.0			Initial Weight/Volume:	6.823 g
Analysis Date:	11/26/2012 2126			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.83	U	0.47	4.2
1,1,2,2-Tetrachloroethane		0.42	U	0.28	4.2
1,1,2-Trichloroethane		0.42	U	0.33	4.2
1,1-Dichloroethane		0.42	U	0.30	4.2
1,1-Dichloroethene		0.83	U	0.43	4.2
1,2-Dibromoethane		0.83	U	0.42	4.2
1,2-Dichloroethane		0.42	U	0.28	4.2
1,2-Dichloroethene, Total		0.83	U	0.64	8.3
1,2-Dichloropropane		0.83	U	0.58	4.2
2-Butanone (MEK)		2.4	J	1.2	17
2-Hexanone		0.83	U	0.53	17
4-Methyl-2-pentanone (MIBK)		0.83	U	0.45	17
Acetone		28	B	5.3	17
Benzene		0.42	U	0.19	4.2
Bromochloromethane		0.83	U	0.59	4.2
Bromodichloromethane		0.42	U	0.23	4.2
Bromoform		0.42	U	0.28	4.2
Bromomethane		0.83	U	0.45	4.2
Carbon disulfide		2.6	J	0.37	4.2
Carbon tetrachloride		0.42	U	0.31	4.2
Chlorobenzene		0.42	U	0.28	4.2
Chloroethane		0.83	U	0.72	4.2
Chloroform		0.42	U	0.24	4.2
Chloromethane		0.42	U	0.34	4.2
cis-1,3-Dichloropropene		0.42	U	0.28	4.2
Dibromochloromethane		0.83	U	0.46	4.2
Ethylbenzene		0.42	U	0.22	4.2
Methyl tert-butyl ether		0.42	U	0.36	4.2
Methylene Chloride		0.83	U	0.56	4.2
Styrene		0.42	U	0.13	4.2
Tetrachloroethene		0.83	U	0.43	4.2
Toluene		0.42	U	0.23	4.2
trans-1,3-Dichloropropene		0.83	U	0.45	4.2
Trichloroethene		0.42	U	0.35	4.2
Vinyl chloride		0.42	U	0.33	4.2
Xylenes, Total		1.3	U	0.56	8.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		61 - 130
4-Bromofluorobenzene (Surr)	86		85 - 120
Dibromofluoromethane (Surr)	81		59 - 138
Toluene-d8 (Surr)	92		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0065M-0001-SO**

Lab Sample ID: 240-17796-27 Date Sampled: 11/15/2012 1740
Client Matrix: Solid % Moisture: 20.2 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149462.D
Dilution:	1.0			Initial Weight/Volume:	5.919 g
Analysis Date:	11/26/2012 2148			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		1.1	U	0.59	5.3
1,1,2,2-Tetrachloroethane		0.53	U	0.36	5.3
1,1,2-Trichloroethane		0.53	U	0.41	5.3
1,1-Dichloroethane		0.53	U	0.38	5.3
1,1-Dichloroethene		1.1	U	0.55	5.3
1,2-Dibromoethane		1.1	U	0.53	5.3
1,2-Dichloroethane		0.53	U	0.36	5.3
1,2-Dichloroethene, Total		1.1	U	0.81	11
1,2-Dichloropropane		1.1	U	0.73	5.3
2-Butanone (MEK)		1.7	J	1.5	21
2-Hexanone		1.1	U	0.67	21
4-Methyl-2-pentanone (MIBK)		1.1	U	0.57	21
Acetone		15	J B	6.7	21
Benzene		0.53	U	0.24	5.3
Bromochloromethane		1.1	U	0.75	5.3
Bromodichloromethane		0.53	U	0.30	5.3
Bromoform		0.53	U	0.35	5.3
Bromomethane		1.1	U	0.57	5.3
Carbon disulfide		3.2	J	0.47	5.3
Carbon tetrachloride		0.53	U	0.39	5.3
Chlorobenzene		0.53	U	0.35	5.3
Chloroethane		1.1	U	0.91	5.3
Chloroform		0.53	U	0.31	5.3
Chloromethane		0.53	U	0.43	5.3
cis-1,3-Dichloropropene		0.53	U	0.36	5.3
Dibromochloromethane		1.1	U	0.58	5.3
Ethylbenzene		0.53	U	0.28	5.3
Methyl tert-butyl ether		0.53	U	0.45	5.3
Methylene Chloride		1.1	U	0.71	5.3
Styrene		0.53	U	0.16	5.3
Tetrachloroethene		1.1	U	0.55	5.3
Toluene		0.53	U	0.29	5.3
trans-1,3-Dichloropropene		1.1	U	0.57	5.3
Trichloroethene		0.53	U	0.44	5.3
Vinyl chloride		0.53	U	0.41	5.3
Xylenes, Total		1.6	U	0.71	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		61 - 130
4-Bromofluorobenzene (Surr)	87		85 - 120
Dibromofluoromethane (Surr)	79		59 - 138
Toluene-d8 (Surr)	93		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0066M-0001-SO**

Lab Sample ID: 240-17796-28 Date Sampled: 11/15/2012 1650
Client Matrix: Solid % Moisture: 19.8 Date Received: 11/16/2012 1842

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

Analysis Method:	8260B/DoD	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Prep Method:	5035	Prep Batch:	240-66118	Lab File ID:	149463.D
Dilution:	1.0			Initial Weight/Volume:	6.85 g
Analysis Date:	11/26/2012 2209			Final Weight/Volume:	5 mL
Prep Date:	11/17/2012 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1-Trichloroethane		0.91	U	0.51	4.6
1,1,2,2-Tetrachloroethane		0.46	U	0.31	4.6
1,1,2-Trichloroethane		0.46	U	0.36	4.6
1,1-Dichloroethane		0.46	U	0.33	4.6
1,1-Dichloroethene		0.91	U	0.47	4.6
1,2-Dibromoethane		0.91	U	0.46	4.6
1,2-Dichloroethane		0.46	U	0.31	4.6
1,2-Dichloroethene, Total		0.91	U	0.70	9.1
1,2-Dichloropropane		0.91	U	0.63	4.6
2-Butanone (MEK)		7.3	J	1.3	18
2-Hexanone		0.91	U	0.57	18
4-Methyl-2-pentanone (MIBK)		0.91	U	0.49	18
Acetone		66	B	5.7	18
Benzene		0.46	U	0.21	4.6
Bromochloromethane		0.91	U	0.65	4.6
Bromodichloromethane		0.46	U	0.25	4.6
Bromoform		0.46	U	0.30	4.6
Bromomethane		0.91	U	0.49	4.6
Carbon disulfide		0.46	U	0.40	4.6
Carbon tetrachloride		0.46	U	0.34	4.6
Chlorobenzene		0.46	U	0.30	4.6
Chloroethane		0.91	U	0.78	4.6
Chloroform		0.46	U	0.26	4.6
Chloromethane		0.46	U	0.37	4.6
cis-1,3-Dichloropropene		0.46	U	0.31	4.6
Dibromochloromethane		0.91	U	0.50	4.6
Ethylbenzene		0.46	U	0.24	4.6
Methyl tert-butyl ether		0.46	U	0.39	4.6
Methylene Chloride		0.91	J	0.61	4.6
Styrene		0.46	U	0.14	4.6
Tetrachloroethene		0.91	U	0.47	4.6
Toluene		0.46	U	0.25	4.6
trans-1,3-Dichloropropene		0.91	U	0.49	4.6
Trichloroethene		0.46	U	0.38	4.6
Vinyl chloride		0.46	U	0.36	4.6
Xylenes, Total		1.4	U	0.61	9.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		61 - 130
4-Bromofluorobenzene (Surr)	91		85 - 120
Dibromofluoromethane (Surr)	80		59 - 138
Toluene-d8 (Surr)	93		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0052-0001-TB**

Lab Sample ID: 240-17796-37 Date Sampled: 11/15/2012 0800
Client Matrix: Water Date Received: 11/16/2012 1842

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:	UXX1139.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1454			Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1454				

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	0.77	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)	99		85 - 120
1,2-Dichloroethane-d4 (Surr)	108		70 - 120
4-Bromofluorobenzene (Surr)	75		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0023M-0001-SO**

Lab Sample ID: 240-17796-1 Date Sampled: 11/15/2012 0915
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204021.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.76 g
Analysis Date:	12/04/2012 1651			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		5.0	J	3.3	6.7
Benzo[a]anthracene		16		3.3	6.7
Benzo[a]pyrene		20		3.3	6.7
Benzo[b]fluoranthene		18		3.3	6.7
Benzo[g,h,i]perylene		8.9		3.3	6.7
Benzoic acid		340	U	340	670
Benzo[k]fluoranthene		6.0	J M	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	9.6	100
Bis(2-ethylhexyl) phthalate		31	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		15		1.1	6.7
Dibenz(a,h)anthracene		3.3	U	3.3	6.7
Dibenzofuran		7.1	J	3.3	50
1,2-Dichlorobenzene		27	U	9.8	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	50
Fluoranthene		38		3.3	6.7
Fluorene		4.6	J	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	9.1	50

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0023M-0001-SO**

Lab Sample ID: 240-17796-1 Date Sampled: 11/15/2012 0915
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204021.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.76 g
Analysis Date:	12/04/2012 1651			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		12		3.3	6.7
Isophorone		14	J	13	50
2-Methylnaphthalene		19		3.3	6.7
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	400
Naphthalene		16		3.3	6.7
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	50
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		81	U	81	150
Phenanthrene		33		3.3	6.7
Phenol		27	U	27	50
Pyrene		27		3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	67		40 - 100
Terphenyl-d14 (Surr)	72		30 - 125
2,4,6-Tribromophenol (Surr)	68		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0022M-0001-SO**

Lab Sample ID: 240-17796-2 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204015.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.19 g
Analysis Date:	12/04/2012 1429			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.6
Acenaphthylene		3.3	U	3.3	6.6
Anthracene		5.0	J	3.3	6.6
Benzo[a]anthracene		7.0		3.3	6.6
Benzo[a]pyrene		12		3.3	6.6
Benzo[b]fluoranthene		7.1		3.3	6.6
Benzo[g,h,i]perylene		3.3	U	3.3	6.6
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		3.3	U	3.3	6.6
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	99
Bis(2-chloroethyl)ether		3.3	U	2.0	99
bis (2-chloroisopropyl) ether		27	U	9.4	99
Bis(2-ethylhexyl) phthalate		29	J	19	50
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	9.9	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		7.1		1.1	6.6
Dibenz(a,h)anthracene		3.3	U	3.3	6.6
Dibenzofuran		8.7	J	3.3	50
1,2-Dichlorobenzene		27	U	9.6	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		79	U	18	99
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		79	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
4,6-Dinitro-2-methylphenol		79	U	79	150
2,4-Dinitrophenol		79	U	79	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	50
Fluoranthene		24		3.3	6.6
Fluorene		8.9		3.3	6.6
Hexachlorobenzene		3.3	U	2.1	6.6
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	8.9	50

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0022M-0001-SO**

Lab Sample ID: 240-17796-2 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204015.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.19 g
Analysis Date:	12/04/2012 1429			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.6
Isophorone		27	U	13	50
2-Methylnaphthalene		9.2		3.3	6.6
2-Methylphenol		79	U	79	200
3 & 4 Methylphenol		79	U	20	400
Naphthalene		13		3.3	6.6
2-Nitroaniline		27	U	9.0	200
3-Nitroaniline		79	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	99
2-Nitrophenol		27	U	27	50
4-Nitrophenol		79	U	79	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		79	U	79	150
Phenanthrene		39		3.3	6.6
Phenol		27	U	27	50
Pyrene		14		3.3	6.6
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		79	U	79	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	72		45 - 105
2-Fluorophenol (Surr)	61		35 - 105
Nitrobenzene-d5 (Surr)	79		35 - 100
Phenol-d5 (Surr)	77		40 - 100
Terphenyl-d14 (Surr)	77		30 - 125
2,4,6-Tribromophenol (Surr)	61		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0024M-0001-SO**

Lab Sample ID: 240-17796-3 Date Sampled: 11/15/2012 1020
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205024.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	30.22 g
Analysis Date:	12/05/2012 1804			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		58	J	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		8.2	U	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: 240-17796-1

Client Sample ID: **076SB-0024M-0001-SO**

Lab Sample ID: 240-17796-3 Date Sampled: 11/15/2012 1020
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205024.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	30.22 g
Analysis Date:	12/05/2012 1804			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		8.2	U	8.2	17
2-Methylphenol		200	U	200	500
3 & 4 Methylphenol		200	U	50	990
Naphthalene		8.2	U	8.2	17
2-Nitroaniline		67	U	23	500
3-Nitroaniline		200	U	40	500
4-Nitroaniline		67	U	65	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		8.2	U	8.2	17
Phenol		67	U	67	120
Pyrene		8.2	U	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)	63		45 - 105
2-Fluorophenol (Surr)	65		35 - 105
Nitrobenzene-d5 (Surr)	64		35 - 100
Phenol-d5 (Surr)	66		40 - 100
Terphenyl-d14 (Surr)	69		30 - 125
2,4,6-Tribromophenol (Surr)	51		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0025M-0001-SO**

Lab Sample ID: 240-17796-4 Date Sampled: 11/15/2012 0900
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205025.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.93 g
Analysis Date:	12/05/2012 1827			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		48	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		8.3	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: 240-17796-1

Client Sample ID: **076SB-0025M-0001-SO**

Lab Sample ID: 240-17796-4 Date Sampled: 11/15/2012 0900
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205025.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.93 g
Analysis Date:	12/05/2012 1827			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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)	65		35 - 105
Nitrobenzene-d5 (Surr)	61		35 - 100
Phenol-d5 (Surr)	66		40 - 100
Terphenyl-d14 (Surr)	75		30 - 125
2,4,6-Tribromophenol (Surr)	67		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0026M-0001-SO**

Lab Sample ID: 240-17796-5 Date Sampled: 11/15/2012 0920
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204023.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.57 g
Analysis Date:	12/04/2012 1739			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		5.8	J	3.3	6.8
Acenaphthylene		3.3	U	3.3	6.8
Anthracene		17		3.3	6.8
Benzo[a]anthracene		34		3.3	6.8
Benzo[a]pyrene		34		3.3	6.8
Benzo[b]fluoranthene		33		3.3	6.8
Benzo[g,h,i]perylene		16		3.3	6.8
Benzoic acid		340	U	340	670
Benzo[k]fluoranthene		15	M	3.3	6.8
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	9.6	100
Bis(2-ethylhexyl) phthalate		30	J	19	51
4-Bromophenyl phenyl ether		27	U	13	51
Butyl benzyl phthalate		27	U	10	51
Carbazole		27	U	27	51
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	51
2-Chlorophenol		27	U	27	51
4-Chlorophenyl phenyl ether		27	U	13	51
Chrysene		33		1.1	6.8
Dibenz(a,h)anthracene		3.3	U	3.3	6.8
Dibenzofuran		7.2	J	3.3	51
1,2-Dichlorobenzene		27	U	9.8	51
1,3-Dichlorobenzene		27	U	11	51
1,4-Dichlorobenzene		27	U	20	51
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	51
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	51
Di-n-butyl phthalate		27	U	15	51
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	51
Fluoranthene		91		3.3	6.8
Fluorene		9.8		3.3	6.8
Hexachlorobenzene		3.3	U	2.1	6.8
Hexachlorobutadiene		27	U	27	51
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.1	51

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0026M-0001-SO**

Lab Sample ID: 240-17796-5 Date Sampled: 11/15/2012 0920
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204023.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.57 g
Analysis Date:	12/04/2012 1739			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		19		3.3	6.8
Isophorone		27	U	13	51
2-Methylnaphthalene		8.0		3.3	6.8
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	410
Naphthalene		10		3.3	6.8
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	51
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	51
N-Nitrosodiphenylamine		27	U	21	51
Pentachlorophenol		81	U	81	150
Phenanthrene		78		3.3	6.8
Phenol		27	U	27	51
Pyrene		65		3.3	6.8
1,2,4-Trichlorobenzene		27	U	27	51
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		45 - 105
2-Fluorophenol (Surr)	68		35 - 105
Nitrobenzene-d5 (Surr)	67		35 - 100
Phenol-d5 (Surr)	70		40 - 100
Terphenyl-d14 (Surr)	76		30 - 125
2,4,6-Tribromophenol (Surr)	62		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0027M-0001-SO**

Lab Sample ID: 240-17796-6 Date Sampled: 11/15/2012 0940
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204024.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.88 g
Analysis Date:	12/04/2012 1802			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	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		9.7		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		26	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		6.0	J	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: 240-17796-1

Client Sample ID: **076SB-0027M-0001-SO**

Lab Sample ID: 240-17796-6 Date Sampled: 11/15/2012 0940
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204024.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.88 g
Analysis Date:	12/04/2012 1802			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		6.4	J	3.3	6.7
2-Methylphenol		80	U	80	200
3 & 4 Methylphenol		80	U	20	400
Naphthalene		6.3	J	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		8.1		3.3	6.7
Phenol		27	U	27	50
Pyrene		4.1	J	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	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	56		45 - 105
2-Fluorophenol (Surr)	61		35 - 105
Nitrobenzene-d5 (Surr)	60		35 - 100
Phenol-d5 (Surr)	62		40 - 100
Terphenyl-d14 (Surr)	70		30 - 125
2,4,6-Tribromophenol (Surr)	67		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0028M-0001-SO**

Lab Sample ID: 240-17796-7 Date Sampled: 11/15/2012 1000
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205022.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.52 g
Analysis Date:	12/05/2012 1717			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		850	U	850	1700
Benzo[k]fluoranthene		8.4	U	8.4	17
Benzyl alcohol		69	U	53	840
Bis(2-chloroethoxy)methane		69	U	56	250
Bis(2-chloroethyl)ether		8.4	U	5.1	250
bis (2-chloroisopropyl) ether		69	U	24	250
Bis(2-ethylhexyl) phthalate		69	U	48	130
4-Bromophenyl phenyl ether		69	U	33	130
Butyl benzyl phthalate		69	U	25	130
Carbazole		69	U	69	130
4-Chloroaniline		69	U	43	380
4-Chloro-3-methylphenol		69	U	53	380
2-Chloronaphthalene		8.4	U	8.4	130
2-Chlorophenol		69	U	69	130
4-Chlorophenyl phenyl ether		69	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		69	U	25	130
1,3-Dichlorobenzene		69	U	28	130
1,4-Dichlorobenzene		69	U	51	130
3,3'-Dichlorobenzidine		200	U	46	250
2,4-Dichlorophenol		69	U	51	380
Diethyl phthalate		69	U	41	130
2,4-Dimethylphenol		200	U	51	380
Dimethyl phthalate		69	U	43	130
Di-n-butyl phthalate		69	U	38	130
4,6-Dinitro-2-methylphenol		200	U	200	380
2,4-Dinitrophenol		200	U	200	840
2,4-Dinitrotoluene		69	U	69	510
2,6-Dinitrotoluene		69	U	53	510
Di-n-octyl phthalate		69	U	69	130
Fluoranthene		8.4	U	8.4	17
Fluorene		8.4	U	8.4	17
Hexachlorobenzene		8.4	U	5.3	17
Hexachlorobutadiene		69	U	69	130
Hexachlorocyclopentadiene		69	U	69	840
Hexachloroethane		69	U	23	130

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0028M-0001-SO**

Lab Sample ID: 240-17796-7 Date Sampled: 11/15/2012 1000
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205022.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.52 g
Analysis Date:	12/05/2012 1717			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		8.4	U	8.4	17
Isophorone		69	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		69	U	23	510
3-Nitroaniline		200	U	41	510
4-Nitroaniline		69	U	66	510
Nitrobenzene		8.4	U	5.6	250
2-Nitrophenol		69	U	69	130
4-Nitrophenol		200	U	200	840
N-Nitrosodi-n-propylamine		69	U	69	130
N-Nitrosodiphenylamine		69	U	53	130
Pentachlorophenol		200	U	200	380
Phenanthrene		8.4	U	8.4	17
Phenol		69	U	69	130
Pyrene		8.4	U	8.4	17
1,2,4-Trichlorobenzene		69	U	69	130
2,4,5-Trichlorophenol		69	U	64	380
2,4,6-Trichlorophenol		200	U	200	380

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		45 - 105
2-Fluorophenol (Surr)	58		35 - 105
Nitrobenzene-d5 (Surr)	58		35 - 100
Phenol-d5 (Surr)	60		40 - 100
Terphenyl-d14 (Surr)	63		30 - 125
2,4,6-Tribromophenol (Surr)	53		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0029M-0001-SO**

Lab Sample ID: 240-17796-8 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204016.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.96 g
Analysis Date:	12/04/2012 1453			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		22		3.3	6.7
Acenaphthylene		3.3	U	3.3	6.7
Anthracene		72		3.3	6.7
Benzo[a]anthracene		110		3.3	6.7
Benzo[a]pyrene		88		3.3	6.7
Benzo[b]fluoranthene		100		3.3	6.7
Benzo[g,h,i]perylene		48		3.3	6.7
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		37	M	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		38	J	19	50
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	10	50
Carbazole		28	J	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		100		1.1	6.7
Dibenz(a,h)anthracene		24		3.3	6.7
Dibenzofuran		36	J	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		290		3.3	6.7
Fluorene		46		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: 240-17796-1

Client Sample ID: **076SB-0029M-0001-SO**

Lab Sample ID: 240-17796-8 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204016.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.96 g
Analysis Date:	12/04/2012 1453			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		44		3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		24		3.3	6.7
2-Methylphenol		80	U	80	200
3 & 4 Methylphenol		80	U	20	400
Naphthalene		38		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		330		3.3	6.7
Phenol		27	U	27	50
Pyrene		200		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	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	68		45 - 105
2-Fluorophenol (Surr)	69		35 - 105
Nitrobenzene-d5 (Surr)	73		35 - 100
Phenol-d5 (Surr)	75		40 - 100
Terphenyl-d14 (Surr)	77		30 - 125
2,4,6-Tribromophenol (Surr)	64		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0053M-0001-SO**

Lab Sample ID: 240-17796-9 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205021.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.92 g
Analysis Date:	12/05/2012 1654			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		55	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		8.3	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: 240-17796-1

Client Sample ID: **076SB-0053M-0001-SO**

Lab Sample ID: 240-17796-9 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205021.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.92 g
Analysis Date:	12/05/2012 1654			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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)	56		45 - 105
2-Fluorophenol (Surr)	60		35 - 105
Nitrobenzene-d5 (Surr)	58		35 - 100
Phenol-d5 (Surr)	62		40 - 100
Terphenyl-d14 (Surr)	65		30 - 125
2,4,6-Tribromophenol (Surr)	61		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0007M-0001-SO**

Lab Sample ID: 240-17796-10 Date Sampled: 11/15/2012 1545
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204011.D
Dilution:	5.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.71 g
Analysis Date:	12/04/2012 1254			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		17	U	17	34
Benzo[a]anthracene		37	D	17	34
Benzo[a]pyrene		74	D	17	34
Benzo[b]fluoranthene		59	D M	17	34
Benzo[g,h,i]perylene		30	J D M	17	34
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		22	J D M	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		140	U	96	250
4-Bromophenyl phenyl ether		140	U	66	250
Butyl benzyl phthalate		140	U	50	250
Carbazole		140	U	140	250
4-Chloroaniline		140	U	86	760
4-Chloro-3-methylphenol		140	U	110	760
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	66	250
Chrysene		49	D	5.6	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	56	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	91	500
2,4-Dichlorophenol		140	U	100	760
Diethyl phthalate		140	U	81	250
2,4-Dimethylphenol		400	U	100	760
Dimethyl phthalate		140	U	86	250
Di-n-butyl phthalate		140	U	76	250
4,6-Dinitro-2-methylphenol		400	U	400	760
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	250
Fluoranthene		63	D	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0007M-0001-SO**

Lab Sample ID: 240-17796-10 Date Sampled: 11/15/2012 1545
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204011.D
Dilution:	5.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.71 g
Analysis Date:	12/04/2012 1254			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		50	D	17	34
Isophorone		140	U	66	250
2-Methylnaphthalene		27	J D	17	34
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		26	J D	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	81	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	760
Phenanthrene		39	D	17	34
Phenol		140	U	140	250
Pyrene		48	D	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	760
2,4,6-Trichlorophenol		400	U	400	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	64		45 - 105
2-Fluorophenol (Surr)	68		35 - 105
Nitrobenzene-d5 (Surr)	68		35 - 100
Phenol-d5 (Surr)	72		40 - 100
Terphenyl-d14 (Surr)	71		30 - 125
2,4,6-Tribromophenol (Surr)	74		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0054M-0001-SO**

Lab Sample ID: 240-17796-11 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204012.D
Dilution:	5.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.61 g
Analysis Date:	12/04/2012 1318			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		17	U	17	34
Anthracene		17	U	17	34
Benzo[a]anthracene		17	U	17	34
Benzo[a]pyrene		17	U	17	34
Benzo[b]fluoranthene		17	U	17	34
Benzo[g,h,i]perylene		17	U	17	34
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	510
Bis(2-chloroethyl)ether		17	U	10	510
bis (2-chloroisopropyl) ether		140	U	48	510
Bis(2-ethylhexyl) phthalate		140	U	96	250
4-Bromophenyl phenyl ether		140	U	66	250
Butyl benzyl phthalate		140	U	51	250
Carbazole		140	U	140	250
4-Chloroaniline		140	U	86	760
4-Chloro-3-methylphenol		140	U	110	760
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	66	250
Chrysene		17	U	5.6	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	56	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		410	U	91	510
2,4-Dichlorophenol		140	U	100	760
Diethyl phthalate		140	U	81	250
2,4-Dimethylphenol		410	U	100	760
Dimethyl phthalate		140	U	86	250
Di-n-butyl phthalate		140	U	76	250
4,6-Dinitro-2-methylphenol		410	U	410	760
2,4-Dinitrophenol		410	U	410	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	250
Fluoranthene		17	U	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	46	250

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0054M-0001-SO**

Lab Sample ID: 240-17796-11 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204012.D
Dilution:	5.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.61 g
Analysis Date:	12/04/2012 1318			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	34
Isophorone		140	U	66	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		410	U	410	1000
3 & 4 Methylphenol		410	U	100	2000
Naphthalene		17	U	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		410	U	81	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	510
2-Nitrophenol		140	U	140	250
4-Nitrophenol		410	U	410	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		410	U	410	760
Phenanthrene		17	U	17	34
Phenol		140	U	140	250
Pyrene		17	U	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	760
2,4,6-Trichlorophenol		410	U	410	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	60		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	62		35 - 100
Phenol-d5 (Surr)	64		40 - 100
Terphenyl-d14 (Surr)	71		30 - 125
2,4,6-Tribromophenol (Surr)	60		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0055M-0001-SO**

Lab Sample ID: 240-17796-12 Date Sampled: 11/15/2012 1345
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204013.D
Dilution:	5.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.93 g
Analysis Date:	12/04/2012 1342			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	33
Acenaphthylene		17	U	17	33
Anthracene		17	U	17	33
Benzo[a]anthracene		17	U	17	33
Benzo[a]pyrene		17	U	17	33
Benzo[b]fluoranthene		17	U	17	33
Benzo[g,h,i]perylene		17	U	17	33
Benzoic acid		1700	U	1700	3300
Benzo[k]fluoranthene		17	U	17	33
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	500
Bis(2-chloroethyl)ether		17	U	10	500
bis (2-chloroisopropyl) ether		140	U	48	500
Bis(2-ethylhexyl) phthalate		140	U	95	250
4-Bromophenyl phenyl ether		140	U	65	250
Butyl benzyl phthalate		140	U	50	250
Carbazole		140	U	140	250
4-Chloroaniline		140	U	85	750
4-Chloro-3-methylphenol		140	U	110	750
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	65	250
Chrysene		17	U	5.5	33
Dibenz(a,h)anthracene		17	U	17	33
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	55	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		400	U	90	500
2,4-Dichlorophenol		140	U	100	750
Diethyl phthalate		140	U	80	250
2,4-Dimethylphenol		400	U	100	750
Dimethyl phthalate		140	U	85	250
Di-n-butyl phthalate		140	U	75	250
4,6-Dinitro-2-methylphenol		400	U	400	750
2,4-Dinitrophenol		400	U	400	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	250
Fluoranthene		17	U	17	33
Fluorene		17	U	17	33
Hexachlorobenzene		17	U	11	33
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	45	250

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0055M-0001-SO**

Lab Sample ID: 240-17796-12 Date Sampled: 11/15/2012 1345
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204013.D
Dilution:	5.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.93 g
Analysis Date:	12/04/2012 1342			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		17	U	17	33
Isophorone		140	U	65	250
2-Methylnaphthalene		17	U	17	33
2-Methylphenol		400	U	400	1000
3 & 4 Methylphenol		400	U	100	2000
Naphthalene		17	U	17	33
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		400	U	80	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	500
2-Nitrophenol		140	U	140	250
4-Nitrophenol		400	U	400	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		400	U	400	750
Phenanthrene		17	U	17	33
Phenol		140	U	140	250
Pyrene		17	U	17	33
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	750
2,4,6-Trichlorophenol		400	U	400	750

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	68		45 - 105
2-Fluorophenol (Surr)	72		35 - 105
Nitrobenzene-d5 (Surr)	72		35 - 100
Phenol-d5 (Surr)	73		40 - 100
Terphenyl-d14 (Surr)	72		30 - 125
2,4,6-Tribromophenol (Surr)	70		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0056M-0001-SO**

Lab Sample ID: 240-17796-13 Date Sampled: 11/15/2012 1410
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204017.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.64 g
Analysis Date:	12/04/2012 1516			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.8
Acenaphthylene		3.3	U	3.3	6.8
Anthracene		3.3	U	3.3	6.8
Benzo[a]anthracene		3.3	U	3.3	6.8
Benzo[a]pyrene		3.3	U	3.3	6.8
Benzo[b]fluoranthene		3.3	U	3.3	6.8
Benzo[g,h,i]perylene		3.3	U	3.3	6.8
Benzoic acid		340	U	340	670
Benzo[k]fluoranthene		3.3	U	3.3	6.8
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	9.6	100
Bis(2-ethylhexyl) phthalate		26	J	19	51
4-Bromophenyl phenyl ether		27	U	13	51
Butyl benzyl phthalate		27	U	10	51
Carbazole		27	U	27	51
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	51
2-Chlorophenol		27	U	27	51
4-Chlorophenyl phenyl ether		27	U	13	51
Chrysene		3.3	U	1.1	6.8
Dibenz(a,h)anthracene		3.3	U	3.3	6.8
Dibenzofuran		3.3	U	3.3	51
1,2-Dichlorobenzene		27	U	9.8	51
1,3-Dichlorobenzene		27	U	11	51
1,4-Dichlorobenzene		27	U	20	51
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	51
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	51
Di-n-butyl phthalate		27	U	15	51
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	51
Fluoranthene		3.3	U	3.3	6.8
Fluorene		3.3	U	3.3	6.8
Hexachlorobenzene		3.3	U	2.1	6.8
Hexachlorobutadiene		27	U	27	51
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.1	51

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0056M-0001-SO**

Lab Sample ID: 240-17796-13 Date Sampled: 11/15/2012 1410
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204017.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.64 g
Analysis Date:	12/04/2012 1516			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.8
Isophorone		27	U	13	51
2-Methylnaphthalene		4.7	J	3.3	6.8
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	400
Naphthalene		3.8	J	3.3	6.8
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	51
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	51
N-Nitrosodiphenylamine		27	U	21	51
Pentachlorophenol		81	U	81	150
Phenanthrene		3.3	U	3.3	6.8
Phenol		27	U	27	51
Pyrene		3.3	U	3.3	6.8
1,2,4-Trichlorobenzene		27	U	27	51
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	65		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	72		30 - 125
2,4,6-Tribromophenol (Surr)	77		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0057M-0001-SO**

Lab Sample ID: 240-17796-14 Date Sampled: 11/15/2012 1440
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204019.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.67 g
Analysis Date:	12/04/2012 1604			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	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		340	U	340	670
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	9.6	100
Bis(2-ethylhexyl) phthalate		24	J	19	51
4-Bromophenyl phenyl ether		27	U	13	51
Butyl benzyl phthalate		27	U	10	51
Carbazole		27	U	27	51
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	51
2-Chlorophenol		27	U	27	51
4-Chlorophenyl phenyl ether		27	U	13	51
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	51
1,2-Dichlorobenzene		27	U	9.8	51
1,3-Dichlorobenzene		27	U	11	51
1,4-Dichlorobenzene		27	U	20	51
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	51
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	51
Di-n-butyl phthalate		27	U	15	51
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	51
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	51
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.1	51

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0057M-0001-SO**

Lab Sample ID: 240-17796-14 Date Sampled: 11/15/2012 1440
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204019.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.67 g
Analysis Date:	12/04/2012 1604			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.7
Isophorone		27	U	13	51
2-Methylnaphthalene		6.2	J	3.3	6.7
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	400
Naphthalene		5.1	J	3.3	6.7
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	51
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	51
N-Nitrosodiphenylamine		27	U	21	51
Pentachlorophenol		81	U	81	150
Phenanthrene		3.3	U	3.3	6.7
Phenol		27	U	27	51
Pyrene		5.6	J	3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	51
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	54		45 - 105
2-Fluorophenol (Surr)	57		35 - 105
Nitrobenzene-d5 (Surr)	56		35 - 100
Phenol-d5 (Surr)	60		40 - 100
Terphenyl-d14 (Surr)	63		30 - 125
2,4,6-Tribromophenol (Surr)	63		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0058M-0001-SO**

Lab Sample ID: 240-17796-15 Date Sampled: 11/15/2012 1530
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204020.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.74 g
Analysis Date:	12/04/2012 1628			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	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		4.2	J	3.3	6.7
Benzo[g,h,i]perylene		5.1	J	3.3	6.7
Benzoic acid		340	U	340	670
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	9.6	100
Bis(2-ethylhexyl) phthalate		35	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	9.8	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	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	9.1	50

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0058M-0001-SO**

Lab Sample ID: 240-17796-15 Date Sampled: 11/15/2012 1530
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204020.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.74 g
Analysis Date:	12/04/2012 1628			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.7
Isophorone		27	U	13	50
2-Methylnaphthalene		9.0		3.3	6.7
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	400
Naphthalene		10		3.3	6.7
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	100
2-Nitrophenol		27	U	27	50
4-Nitrophenol		81	U	81	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		81	U	81	150
Phenanthrene		3.3	U	3.3	6.7
Phenol		27	U	27	50
Pyrene		5.8	J	3.3	6.7
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	63		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	65		35 - 100
Phenol-d5 (Surr)	67		40 - 100
Terphenyl-d14 (Surr)	69		30 - 125
2,4,6-Tribromophenol (Surr)	67		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0059M-0001-SO**

Lab Sample ID: 240-17796-16 Date Sampled: 11/15/2012 1600
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204018.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.52 g
Analysis Date:	12/04/2012 1540			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.4	U	3.4	6.8
Acenaphthylene		3.4	U	3.4	6.8
Anthracene		3.4	U	3.4	6.8
Benzo[a]anthracene		3.4	U	3.4	6.8
Benzo[a]pyrene		3.4	U	3.4	6.8
Benzo[b]fluoranthene		4.2	J	3.4	6.8
Benzo[g,h,i]perylene		3.4	U	3.4	6.8
Benzoic acid		340	U	340	670
Benzo[k]fluoranthene		3.4	U	3.4	6.8
Benzyl alcohol		27	U	21	340
Bis(2-chloroethoxy)methane		27	U	22	100
Bis(2-chloroethyl)ether		3.4	U	2.0	100
bis (2-chloroisopropyl) ether		27	U	9.7	100
Bis(2-ethylhexyl) phthalate		27	J	19	51
4-Bromophenyl phenyl ether		27	U	13	51
Butyl benzyl phthalate		27	U	10	51
Carbazole		27	U	27	51
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.4	U	3.4	51
2-Chlorophenol		27	U	27	51
4-Chlorophenyl phenyl ether		27	U	13	51
Chrysene		3.4	U	1.1	6.8
Dibenz(a,h)anthracene		3.4	U	3.4	6.8
Dibenzofuran		3.4	U	3.4	51
1,2-Dichlorobenzene		27	U	9.9	51
1,3-Dichlorobenzene		27	U	11	51
1,4-Dichlorobenzene		27	U	20	51
3,3'-Dichlorobenzidine		81	U	18	100
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	51
2,4-Dimethylphenol		81	U	20	150
Dimethyl phthalate		27	U	17	51
Di-n-butyl phthalate		27	U	15	51
4,6-Dinitro-2-methylphenol		81	U	81	150
2,4-Dinitrophenol		81	U	81	340
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	51
Fluoranthene		4.0	J	3.4	6.8
Fluorene		3.4	U	3.4	6.8
Hexachlorobenzene		3.4	U	2.1	6.8
Hexachlorobutadiene		27	U	27	51
Hexachlorocyclopentadiene		27	U	27	340
Hexachloroethane		27	U	9.1	51

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0059M-0001-SO**

Lab Sample ID: 240-17796-16 Date Sampled: 11/15/2012 1600
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204018.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.52 g
Analysis Date:	12/04/2012 1540			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.4	U	3.4	6.8
Isophorone		27	U	13	51
2-Methylnaphthalene		9.3	M	3.4	6.8
2-Methylphenol		81	U	81	200
3 & 4 Methylphenol		81	U	20	410
Naphthalene		6.2	J	3.4	6.8
2-Nitroaniline		27	U	9.2	200
3-Nitroaniline		81	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.4	U	2.2	100
2-Nitrophenol		27	U	27	51
4-Nitrophenol		81	U	81	340
N-Nitrosodi-n-propylamine		27	U	27	51
N-Nitrosodiphenylamine		27	U	21	51
Pentachlorophenol		81	U	81	150
Phenanthrene		5.8	J	3.4	6.8
Phenol		27	U	27	51
Pyrene		4.8	J	3.4	6.8
1,2,4-Trichlorobenzene		27	U	27	51
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		81	U	81	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	73		45 - 105
2-Fluorophenol (Surr)	60		35 - 105
Nitrobenzene-d5 (Surr)	75		35 - 100
Phenol-d5 (Surr)	81		40 - 100
Terphenyl-d14 (Surr)	77		30 - 125
2,4,6-Tribromophenol (Surr)	58		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-65893	Lab File ID:	21129008.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	11/29/2012 1146			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 0942			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Acenaphthene	0.097	U	0.097	0.19
Acenaphthylene	0.097	U	0.097	0.19
Anthracene	0.097	U	0.097	0.19
Benzo[a]anthracene	0.097	U	0.097	0.19
Benzo[a]pyrene	0.097	U	0.097	0.19
Benzo[b]fluoranthene	0.097	U	0.097	0.19
Benzo[g,h,i]perylene	0.097	U	0.097	0.19
Benzoic acid	9.7	U	9.7	24
Benzo[k]fluoranthene	0.097	U	0.097	0.19
Benzyl alcohol	0.78	U	0.37	4.9
Bis(2-chloroethoxy)methane	0.78	U	0.31	0.97
Bis(2-chloroethyl)ether	0.097	U	0.097	0.97
bis (2-chloroisopropyl) ether	0.78	U	0.39	0.97
Bis(2-ethylhexyl) phthalate	0.78	U	0.78	1.9
4-Bromophenyl phenyl ether	0.78	U	0.78	1.9
Butyl benzyl phthalate	0.78	U	0.78	0.97
Carbazole	0.78	U	0.27	0.97
4-Chloroaniline	0.78	U	0.78	1.9
4-Chloro-3-methylphenol	0.78	U	0.78	1.9
2-Chloronaphthalene	0.097	U	0.097	0.97
2-Chlorophenol	0.78	U	0.28	0.97
4-Chlorophenyl phenyl ether	0.78	U	0.29	1.9
Chrysene	0.097	U	0.097	0.19
Dibenz(a,h)anthracene	0.097	U	0.097	0.19
Dibenzofuran	0.097	U	0.097	0.97
1,2-Dichlorobenzene	0.78	U	0.28	0.97
1,3-Dichlorobenzene	0.78	U	0.78	0.97
1,4-Dichlorobenzene	0.78	U	0.33	0.97
3,3'-Dichlorobenzidine	0.78	U	0.36	4.9
2,4-Dichlorophenol	0.78	U	0.78	1.9
Diethyl phthalate	0.78	U	0.58	0.97
2,4-Dimethylphenol	0.78	U	0.78	1.9
Dimethyl phthalate	0.78	U	0.28	0.97
Di-n-butyl phthalate	0.78	U	0.65	0.97
4,6-Dinitro-2-methylphenol	2.3	U	2.3	4.9
2,4-Dinitrophenol	2.3	U	2.3	4.9
2,4-Dinitrotoluene	0.78	U	0.26	4.9
2,6-Dinitrotoluene	0.78	U	0.78	4.9
Di-n-octyl phthalate	0.78	U	0.78	0.97
Fluoranthene	0.097	U	0.097	0.19
Fluorene	0.097	U	0.097	0.19
Hexachlorobenzene	0.097	U	0.097	0.19
Hexachlorobutadiene	0.78	U	0.26	0.97
Hexachlorocyclopentadiene	0.78	U	0.78	9.7
Hexachloroethane	0.78	U	0.78	0.97
Indeno[1,2,3-cd]pyrene	0.097	U	0.097	0.19

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-65893	Lab File ID:	21129008.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	11/29/2012 1146			Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 0942			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isophorone	0.78	U	0.26	0.97
2-Methylnaphthalene	0.097	U	0.097	0.19
2-Methylphenol	0.78	U	0.78	0.97
3 & 4 Methylphenol	0.78	U	0.78	1.9
Naphthalene	0.097	U	0.097	0.19
2-Nitroaniline	0.78	U	0.78	1.9
3-Nitroaniline	0.78	U	0.27	1.9
4-Nitroaniline	0.78	U	0.78	1.9
Nitrobenzene	0.097	U	0.039	0.97
2-Nitrophenol	0.78	U	0.27	1.9
4-Nitrophenol	2.3	U	2.3	4.9
N-Nitrosodi-n-propylamine	0.78	U	0.78	0.97
N-Nitrosodiphenylamine	0.78	U	0.30	0.97
Pentachlorophenol	2.3	U	2.3	4.9
Phenanthrene	0.097	U	0.097	0.19
Phenol	0.78	U	0.58	0.97
Pyrene	0.097	U	0.097	0.19
1,2,4-Trichlorobenzene	0.78	U	0.27	0.97
2,4,5-Trichlorophenol	0.78	U	0.29	4.9
2,4,6-Trichlorophenol	0.78	U	0.78	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	61		50 - 110
2-Fluorophenol (Surr)	63		20 - 110
Nitrobenzene-d5 (Surr)	68		40 - 110
Phenol-d5 (Surr)	65		10 - 115
Terphenyl-d14 (Surr)	79		50 - 135
2,4,6-Tribromophenol (Surr)	73		40 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0060M-0001-SO**

Lab Sample ID: 240-17796-22 Date Sampled: 11/15/2012 1735
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204014.D
Dilution:	5.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.54 g
Analysis Date:	12/04/2012 1405			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		17	U	17	34
Acenaphthylene		18	J D	17	34
Anthracene		17	J D	17	34
Benzo[a]anthracene		92	D	17	34
Benzo[a]pyrene		120	D	17	34
Benzo[b]fluoranthene		87	D	17	34
Benzo[g,h,i]perylene		58	D	17	34
Benzoic acid		1700	U	1700	3400
Benzo[k]fluoranthene		55	D M	17	34
Benzyl alcohol		140	U	110	1700
Bis(2-chloroethoxy)methane		140	U	110	510
Bis(2-chloroethyl)ether		17	U	10	510
bis (2-chloroisopropyl) ether		140	U	48	510
Bis(2-ethylhexyl) phthalate		140	U	96	250
4-Bromophenyl phenyl ether		140	U	66	250
Butyl benzyl phthalate		140	U	51	250
Carbazole		140	U	140	250
4-Chloroaniline		140	U	86	760
4-Chloro-3-methylphenol		140	U	110	760
2-Chloronaphthalene		17	U	17	250
2-Chlorophenol		140	U	140	250
4-Chlorophenyl phenyl ether		140	U	66	250
Chrysene		110	D	5.6	34
Dibenz(a,h)anthracene		17	U	17	34
Dibenzofuran		17	U	17	250
1,2-Dichlorobenzene		140	U	49	250
1,3-Dichlorobenzene		140	U	56	250
1,4-Dichlorobenzene		140	U	100	250
3,3'-Dichlorobenzidine		410	U	91	510
2,4-Dichlorophenol		140	U	100	760
Diethyl phthalate		140	U	81	250
2,4-Dimethylphenol		410	U	100	760
Dimethyl phthalate		140	U	86	250
Di-n-butyl phthalate		140	U	76	250
4,6-Dinitro-2-methylphenol		410	U	410	760
2,4-Dinitrophenol		410	U	410	1700
2,4-Dinitrotoluene		140	U	140	1000
2,6-Dinitrotoluene		140	U	110	1000
Di-n-octyl phthalate		140	U	140	250
Fluoranthene		190	D	17	34
Fluorene		17	U	17	34
Hexachlorobenzene		17	U	11	34
Hexachlorobutadiene		140	U	140	250
Hexachlorocyclopentadiene		140	U	140	1700
Hexachloroethane		140	U	46	250

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0060M-0001-SO**

Lab Sample ID: 240-17796-22 Date Sampled: 11/15/2012 1735
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204014.D
Dilution:	5.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.54 g
Analysis Date:	12/04/2012 1405			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		66	D	17	34
Isophorone		140	U	66	250
2-Methylnaphthalene		17	U	17	34
2-Methylphenol		410	U	410	1000
3 & 4 Methylphenol		410	U	100	2000
Naphthalene		24	J D	17	34
2-Nitroaniline		140	U	46	1000
3-Nitroaniline		410	U	81	1000
4-Nitroaniline		140	U	130	1000
Nitrobenzene		17	U	11	510
2-Nitrophenol		140	U	140	250
4-Nitrophenol		410	U	410	1700
N-Nitrosodi-n-propylamine		140	U	140	250
N-Nitrosodiphenylamine		140	U	110	250
Pentachlorophenol		410	U	410	760
Phenanthrene		100	D	17	34
Phenol		140	U	140	250
Pyrene		140	D	17	34
1,2,4-Trichlorobenzene		140	U	140	250
2,4,5-Trichlorophenol		140	U	130	760
2,4,6-Trichlorophenol		410	U	410	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	67		45 - 105
2-Fluorophenol (Surr)	71		35 - 105
Nitrobenzene-d5 (Surr)	70		35 - 100
Phenol-d5 (Surr)	70		40 - 100
Terphenyl-d14 (Surr)	75		30 - 125
2,4,6-Tribromophenol (Surr)	75		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0061M-0001-SO**

Lab Sample ID: 240-17796-23 Date Sampled: 11/15/2012 1735
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205023.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.98 g
Analysis Date:	12/05/2012 1741			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		54	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		8.3	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: 240-17796-1

Client Sample ID: **076SB-0061M-0001-SO**

Lab Sample ID: 240-17796-23 Date Sampled: 11/15/2012 1735
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21205023.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.98 g
Analysis Date:	12/05/2012 1741			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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)	61		45 - 105
2-Fluorophenol (Surr)	64		35 - 105
Nitrobenzene-d5 (Surr)	63		35 - 100
Phenol-d5 (Surr)	68		40 - 100
Terphenyl-d14 (Surr)	69		30 - 125
2,4,6-Tribromophenol (Surr)	57		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0062M-0001-SO**

Lab Sample ID: 240-17796-24 Date Sampled: 11/15/2012 1705
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204022.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.31 g
Analysis Date:	12/04/2012 1715			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.6
Acenaphthylene		3.3	U	3.3	6.6
Anthracene		3.3	U	3.3	6.6
Benzo[a]anthracene		3.3	U	3.3	6.6
Benzo[a]pyrene		9.8		3.3	6.6
Benzo[b]fluoranthene		5.4	J	3.3	6.6
Benzo[g,h,i]perylene		3.3	U	3.3	6.6
Benzoic acid		330	U	330	650
Benzo[k]fluoranthene		3.3	U	3.3	6.6
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	99
Bis(2-chloroethyl)ether		3.3	U	2.0	99
bis (2-chloroisopropyl) ether		27	U	9.4	99
Bis(2-ethylhexyl) phthalate		26	J	19	49
4-Bromophenyl phenyl ether		27	U	13	49
Butyl benzyl phthalate		27	U	9.9	49
Carbazole		27	U	27	49
4-Chloroaniline		27	U	17	150
4-Chloro-3-methylphenol		27	U	21	150
2-Chloronaphthalene		3.3	U	3.3	49
2-Chlorophenol		27	U	27	49
4-Chlorophenyl phenyl ether		27	U	13	49
Chrysene		3.3	U	1.1	6.6
Dibenz(a,h)anthracene		3.3	U	3.3	6.6
Dibenzofuran		3.3	U	3.3	49
1,2-Dichlorobenzene		27	U	9.6	49
1,3-Dichlorobenzene		27	U	11	49
1,4-Dichlorobenzene		27	U	20	49
3,3'-Dichlorobenzidine		79	U	18	99
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	49
2,4-Dimethylphenol		79	U	20	150
Dimethyl phthalate		27	U	17	49
Di-n-butyl phthalate		27	U	15	49
4,6-Dinitro-2-methylphenol		79	U	79	150
2,4-Dinitrophenol		79	U	79	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	49
Fluoranthene		6.2	J	3.3	6.6
Fluorene		3.3	U	3.3	6.6
Hexachlorobenzene		3.3	U	2.1	6.6
Hexachlorobutadiene		27	U	27	49
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	8.9	49

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0062M-0001-SO**

Lab Sample ID: 240-17796-24 Date Sampled: 11/15/2012 1705
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204022.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.31 g
Analysis Date:	12/04/2012 1715			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.6
Isophorone		27	U	13	49
2-Methylnaphthalene		4.5	J	3.3	6.6
2-Methylphenol		79	U	79	200
3 & 4 Methylphenol		79	U	20	400
Naphthalene		4.6	J	3.3	6.6
2-Nitroaniline		27	U	9.0	200
3-Nitroaniline		79	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	99
2-Nitrophenol		27	U	27	49
4-Nitrophenol		79	U	79	330
N-Nitrosodi-n-propylamine		27	U	27	49
N-Nitrosodiphenylamine		27	U	21	49
Pentachlorophenol		79	U	79	150
Phenanthrene		5.1	J	3.3	6.6
Phenol		27	U	27	49
Pyrene		4.7	J	3.3	6.6
1,2,4-Trichlorobenzene		27	U	27	49
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		79	U	79	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	64		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	71		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	73		30 - 125
2,4,6-Tribromophenol (Surr)	73		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0063M-0001-SO**

Lab Sample ID: 240-17796-25 Date Sampled: 11/15/2012 1715
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204008.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.22 g
Analysis Date:	12/04/2012 1143			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.6
Acenaphthylene		3.3	U	3.3	6.6
Anthracene		3.3	U	3.3	6.6
Benzo[a]anthracene		3.3	U	3.3	6.6
Benzo[a]pyrene		3.3	U	3.3	6.6
Benzo[b]fluoranthene		5.7	J	3.3	6.6
Benzo[g,h,i]perylene		3.3	U	3.3	6.6
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		3.3	U	3.3	6.6
Benzyl alcohol		27	U	21	330
Bis(2-chloroethoxy)methane		27	U	22	99
Bis(2-chloroethyl)ether		3.3	U	2.0	99
bis (2-chloroisopropyl) ether		27	U	9.4	99
Bis(2-ethylhexyl) phthalate		25	J	19	50
4-Bromophenyl phenyl ether		27	U	13	50
Butyl benzyl phthalate		27	U	9.9	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	6.6
Dibenz(a,h)anthracene		3.3	U	3.3	6.6
Dibenzofuran		3.3	U	3.3	50
1,2-Dichlorobenzene		27	U	9.6	50
1,3-Dichlorobenzene		27	U	11	50
1,4-Dichlorobenzene		27	U	20	50
3,3'-Dichlorobenzidine		79	U	18	99
2,4-Dichlorophenol		27	U	20	150
Diethyl phthalate		27	U	16	50
2,4-Dimethylphenol		79	U	20	150
Dimethyl phthalate		27	U	17	50
Di-n-butyl phthalate		27	U	15	50
4,6-Dinitro-2-methylphenol		79	U J	79	150
2,4-Dinitrophenol		79	U	79	330
2,4-Dinitrotoluene		27	U	27	200
2,6-Dinitrotoluene		27	U	21	200
Di-n-octyl phthalate		27	U	27	50
Fluoranthene		7.6		3.3	6.6
Fluorene		3.3	U	3.3	6.6
Hexachlorobenzene		3.3	U	2.1	6.6
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	8.9	50

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0063M-0001-SO**

Lab Sample ID: 240-17796-25 Date Sampled: 11/15/2012 1715
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66393	Lab File ID:	21204008.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.22 g
Analysis Date:	12/04/2012 1143			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.6
Isophorone		27	U	13	50
2-Methylnaphthalene		25		3.3	6.6
2-Methylphenol		79	U	79	200
3 & 4 Methylphenol		79	U	20	400
Naphthalene		16		3.3	6.6
2-Nitroaniline		27	U	9.0	200
3-Nitroaniline		79	U	16	200
4-Nitroaniline		27	U	26	200
Nitrobenzene		3.3	U	2.2	99
2-Nitrophenol		27	U	27	50
4-Nitrophenol		79	U	79	330
N-Nitrosodi-n-propylamine		27	U	27	50
N-Nitrosodiphenylamine		27	U	21	50
Pentachlorophenol		79	U	79	150
Phenanthrene		7.4		3.3	6.6
Phenol		27	U	27	50
Pyrene		5.8	J	3.3	6.6
1,2,4-Trichlorobenzene		27	U	27	50
2,4,5-Trichlorophenol		27	U	25	150
2,4,6-Trichlorophenol		79	U	79	150

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	69		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	73		35 - 100
Phenol-d5 (Surr)	76		40 - 100
Terphenyl-d14 (Surr)	76		30 - 125
2,4,6-Tribromophenol (Surr)	74		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0064M-0001-SO**

Lab Sample ID: 240-17796-26 Date Sampled: 11/15/2012 1725
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206009.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	30.44 g
Analysis Date:	12/06/2012 1204			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		33	U	33	66
Acenaphthylene		33	U	33	66
Anthracene		33	U	33	66
Benzo[a]anthracene		33	U	33	66
Benzo[a]pyrene		33	U	33	66
Benzo[b]fluoranthene		33	U	33	66
Benzo[g,h,i]perylene		33	U	33	66
Benzoic acid		3300	U	3300	6500
Benzo[k]fluoranthene		33	U	33	66
Benzyl alcohol		270	U	210	3300
Bis(2-chloroethoxy)methane		270	U	220	990
Bis(2-chloroethyl)ether		33	U	20	990
bis (2-chloroisopropyl) ether		270	U	94	990
Bis(2-ethylhexyl) phthalate		270	U	190	490
4-Bromophenyl phenyl ether		270	U	130	490
Butyl benzyl phthalate		270	U	99	490
Carbazole		270	U	270	490
4-Chloroaniline		270	U	170	1500
4-Chloro-3-methylphenol		270	U	210	1500
2-Chloronaphthalene		33	U	33	490
2-Chlorophenol		270	U	270	490
4-Chlorophenyl phenyl ether		270	U	130	490
Chrysene		33	U	11	66
Dibenz(a,h)anthracene		33	U	33	66
Dibenzofuran		33	U	33	490
1,2-Dichlorobenzene		270	U	96	490
1,3-Dichlorobenzene		270	U	110	490
1,4-Dichlorobenzene		270	U	200	490
3,3'-Dichlorobenzidine		790	U	180	990
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	490
2,4-Dimethylphenol		790	U	200	1500
Dimethyl phthalate		270	U	170	490
Di-n-butyl phthalate		270	U	150	490
4,6-Dinitro-2-methylphenol		790	U	790	1500
2,4-Dinitrophenol		790	U	790	3300
2,4-Dinitrotoluene		270	U	270	2000
2,6-Dinitrotoluene		270	U	210	2000
Di-n-octyl phthalate		270	U	270	490
Fluoranthene		33	U	33	66
Fluorene		33	U	33	66
Hexachlorobenzene		33	U	21	66
Hexachlorobutadiene		270	U	270	490
Hexachlorocyclopentadiene		270	U	270	3300
Hexachloroethane		270	U	89	490

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0064M-0001-SO**

Lab Sample ID: 240-17796-26 Date Sampled: 11/15/2012 1725
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206009.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	30.44 g
Analysis Date:	12/06/2012 1204			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		33	U	33	66
Isophorone		270	U	130	490
2-Methylnaphthalene		33	U	33	66
2-Methylphenol		790	U	790	2000
3 & 4 Methylphenol		790	U	200	3900
Naphthalene		33	U	33	66
2-Nitroaniline		270	U	90	2000
3-Nitroaniline		790	U	160	2000
4-Nitroaniline		270	U	260	2000
Nitrobenzene		33	U	22	990
2-Nitrophenol		270	U	270	490
4-Nitrophenol		790	U	790	3300
N-Nitrosodi-n-propylamine		270	U	270	490
N-Nitrosodiphenylamine		270	U	210	490
Pentachlorophenol		790	U	790	1500
Phenanthrene		33	U	33	66
Phenol		270	U	270	490
Pyrene		33	U	33	66
1,2,4-Trichlorobenzene		270	U	270	490
2,4,5-Trichlorophenol		270	U	250	1500
2,4,6-Trichlorophenol		790	U	790	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)	79		30 - 125
2,4,6-Tribromophenol (Surr)	61		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0065M-0001-SO**

Lab Sample ID: 240-17796-27 Date Sampled: 11/15/2012 1740
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206016.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.99 g
Analysis Date:	12/06/2012 1447			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		32		8.3	17
Benzo[a]pyrene		39		8.3	17
Benzo[b]fluoranthene		43		8.3	17
Benzo[g,h,i]perylene		21		8.3	17
Benzoic acid		830	U	830	1700
Benzo[k]fluoranthene		9.4	J M	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		50	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		8.3	U	8.3	130
2-Chlorophenol		68	U	68	130
4-Chlorophenyl phenyl ether		68	U	33	130
Chrysene		29		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		59		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: 240-17796-1

Client Sample ID: **076SB-0065M-0001-SO**

Lab Sample ID: 240-17796-27 Date Sampled: 11/15/2012 1740
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206016.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.99 g
Analysis Date:	12/06/2012 1447			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		26		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		34		8.3	17
Phenol		68	U	68	130
Pyrene		43		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)	64		45 - 105
2-Fluorophenol (Surr)	70		35 - 105
Nitrobenzene-d5 (Surr)	62		35 - 100
Phenol-d5 (Surr)	70		40 - 100
Terphenyl-d14 (Surr)	72		30 - 125
2,4,6-Tribromophenol (Surr)	68		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0066M-0001-SO**

Lab Sample ID: 240-17796-28 Date Sampled: 11/15/2012 1650
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206010.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	30.00 g
Analysis Date:	12/06/2012 1227			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		130	D	33	67
Benzo[a]pyrene		170	D	33	67
Benzo[b]fluoranthene		190	D	33	67
Benzo[g,h,i]perylene		68	D M	33	67
Benzoic acid		3300	U	3300	6600
Benzo[k]fluoranthene		45	J D M	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		140	D	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		260	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: 240-17796-1

Client Sample ID: **076SB-0066M-0001-SO**

Lab Sample ID: 240-17796-28 Date Sampled: 11/15/2012 1650
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206010.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	30.00 g
Analysis Date:	12/06/2012 1227			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		100	D	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		140	D	33	67
Phenol		270	U	270	500
Pyrene		190	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)	68		45 - 105
2-Fluorophenol (Surr)	67		35 - 105
Nitrobenzene-d5 (Surr)	59		35 - 100
Phenol-d5 (Surr)	68		40 - 100
Terphenyl-d14 (Surr)	73		30 - 125
2,4,6-Tribromophenol (Surr)	55		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0044M-0001-SO**

Lab Sample ID: 240-17796-29 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206017.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	30.08 g
Analysis Date:	12/06/2012 1510			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		8.2	U	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: 240-17796-1

Client Sample ID: **076SB-0044M-0001-SO**

Lab Sample ID: 240-17796-29 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206017.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	30.08 g
Analysis Date:	12/06/2012 1510			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		8.2	U	8.2	17
2-Methylphenol		200	U	200	500
3 & 4 Methylphenol		200	U	50	1000
Naphthalene		8.2	U	8.2	17
2-Nitroaniline		67	U	23	500
3-Nitroaniline		200	U	40	500
4-Nitroaniline		67	U	65	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		8.2	U	8.2	17
Phenol		67	U	67	120
Pyrene		8.2	U	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)	66		45 - 105
2-Fluorophenol (Surr)	59		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	71		40 - 100
Terphenyl-d14 (Surr)	75		30 - 125
2,4,6-Tribromophenol (Surr)	44		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0045M-0001-SO**

Lab Sample ID: 240-17796-30 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206013.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	29.60 g
Analysis Date:	12/06/2012 1337			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		33	U	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		33	U	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: 240-17796-1

Client Sample ID: **076SB-0045M-0001-SO**

Lab Sample ID: 240-17796-30 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206013.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	29.60 g
Analysis Date:	12/06/2012 1337			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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	4100
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		33	U	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)	64		45 - 105
2-Fluorophenol (Surr)	65		35 - 105
Nitrobenzene-d5 (Surr)	62		35 - 100
Phenol-d5 (Surr)	63		40 - 100
Terphenyl-d14 (Surr)	74		30 - 125
2,4,6-Tribromophenol (Surr)	55		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0046M-0001-SO**

Lab Sample ID: 240-17796-31 Date Sampled: 11/15/2012 1050
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206018.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.87 g
Analysis Date:	12/06/2012 1533			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		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		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: 240-17796-1

Client Sample ID: **076SB-0046M-0001-SO**

Lab Sample ID: 240-17796-31 Date Sampled: 11/15/2012 1050
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206018.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	29.87 g
Analysis Date:	12/06/2012 1533			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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)	65		45 - 105
2-Fluorophenol (Surr)	63		35 - 105
Nitrobenzene-d5 (Surr)	65		35 - 100
Phenol-d5 (Surr)	71		40 - 100
Terphenyl-d14 (Surr)	75		30 - 125
2,4,6-Tribromophenol (Surr)	51		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0047M-0001-SO**

Lab Sample ID: 240-17796-32 Date Sampled: 11/15/2012 1111
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206011.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	29.80 g
Analysis Date:	12/06/2012 1251			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		3400	U	3400	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	96	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	98	500
1,3-Dichlorobenzene		270	U	110	500
1,4-Dichlorobenzene		270	U	200	500
3,3'-Dichlorobenzidine		810	U	180	1000
2,4-Dichlorophenol		270	U	200	1500
Diethyl phthalate		270	U	160	500
2,4-Dimethylphenol		810	U	200	1500
Dimethyl phthalate		270	U	170	500
Di-n-butyl phthalate		270	U	150	500
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	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	91	500

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0047M-0001-SO**

Lab Sample ID: 240-17796-32 Date Sampled: 11/15/2012 1111
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206011.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	29.80 g
Analysis Date:	12/06/2012 1251			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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		810	U	810	2000
3 & 4 Methylphenol		810	U	200	4000
Naphthalene		33	U	33	67
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	500
4-Nitrophenol		810	U	810	3300
N-Nitrosodi-n-propylamine		270	U	270	500
N-Nitrosodiphenylamine		270	U	210	500
Pentachlorophenol		810	U	810	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		810	U	810	1500

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	63		45 - 105
2-Fluorophenol (Surr)	66		35 - 105
Nitrobenzene-d5 (Surr)	58		35 - 100
Phenol-d5 (Surr)	67		40 - 100
Terphenyl-d14 (Surr)	69		30 - 125
2,4,6-Tribromophenol (Surr)	59		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0048M-0001-SO**

Lab Sample ID: 240-17796-33 Date Sampled: 11/15/2012 1140
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-66734	Lab File ID:	21205013.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.15 g
Analysis Date:	12/05/2012 1305			Final Weight/Volume:	2 mL
Prep Date:	11/29/2012 1026			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U	3.3	6.6
Acenaphthylene		3.3	U	3.3	6.6
Anthracene		3.3	U	3.3	6.6
Benzo[a]anthracene		3.3	U	3.3	6.6
Benzo[a]pyrene		3.3	U	3.3	6.6
Benzo[b]fluoranthene		3.3	U	3.3	6.6
Benzo[g,h,i]perylene		3.3	U	3.3	6.6
Benzoic acid		330	U	330	660
Benzo[k]fluoranthene		3.3	U	3.3	6.6
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		27	U	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	6.6
Dibenz(a,h)anthracene		3.3	U	3.3	6.6
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	6.6
Fluorene		3.3	U	3.3	6.6
Hexachlorobenzene		3.3	U	2.1	6.6
Hexachlorobutadiene		27	U	27	50
Hexachlorocyclopentadiene		27	U	27	330
Hexachloroethane		27	U	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0048M-0001-SO**

Lab Sample ID: 240-17796-33 Date Sampled: 11/15/2012 1140
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-66734	Lab File ID:	21205013.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.15 g
Analysis Date:	12/05/2012 1305			Final Weight/Volume:	2 mL
Prep Date:	11/29/2012 1026			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		3.3	U	3.3	6.6
Isophorone		27	U	13	50
2-Methylnaphthalene		3.3	U	3.3	6.6
2-Methylphenol		80	U	80	200
3 & 4 Methylphenol		80	U	20	400
Naphthalene		3.3	U	3.3	6.6
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		3.5	J	3.3	6.6
Phenol		27	U	27	50
Pyrene		3.3	U	3.3	6.6
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	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	68		45 - 105
2-Fluorophenol (Surr)	71		35 - 105
Nitrobenzene-d5 (Surr)	76		35 - 100
Phenol-d5 (Surr)	80		40 - 100
Terphenyl-d14 (Surr)	77		30 - 125
2,4,6-Tribromophenol (Surr)	28	Q	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0048M-0001-SO**

Lab Sample ID: 240-17796-33 Date Sampled: 11/15/2012 1140
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-67600	Lab File ID:	21211014.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.96 g
Analysis Date:	12/11/2012 1527	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	12/06/2012 1045			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		3.3	U H	3.3	6.7
Acenaphthylene		3.3	U H	3.3	6.7
Anthracene		3.3	U H	3.3	6.7
Benzo[a]anthracene		3.3	U H	3.3	6.7
Benzo[a]pyrene		3.3	U H	3.3	6.7
Benzo[b]fluoranthene		3.3	U H	3.3	6.7
Benzo[g,h,i]perylene		3.3	U H	3.3	6.7
Benzoic acid		330	U H	330	660
Benzo[k]fluoranthene		3.3	U H	3.3	6.7
Benzyl alcohol		27	U H	21	330
Bis(2-chloroethoxy)methane		27	U H	22	100
Bis(2-chloroethyl)ether		3.3	U H	2.0	100
bis (2-chloroisopropyl) ether		27	U H	9.5	100
Bis(2-ethylhexyl) phthalate		24	J H	19	50
4-Bromophenyl phenyl ether		27	U H	13	50
Butyl benzyl phthalate		27	U H	10	50
Carbazole		27	U H	27	50
4-Chloroaniline		27	U H	17	150
4-Chloro-3-methylphenol		27	U H	21	150
2-Chloronaphthalene		3.3	U H	3.3	50
2-Chlorophenol		27	U H	27	50
4-Chlorophenyl phenyl ether		27	U H	13	50
Chrysene		3.3	U H	1.1	6.7
Dibenz(a,h)anthracene		3.3	U H	3.3	6.7
Dibenzofuran		3.3	U H	3.3	50
1,2-Dichlorobenzene		27	U H	9.7	50
1,3-Dichlorobenzene		27	U H	11	50
1,4-Dichlorobenzene		27	U H	20	50
3,3'-Dichlorobenzidine		80	U H	18	100
2,4-Dichlorophenol		27	U H	20	150
Diethyl phthalate		27	U H	16	50
2,4-Dimethylphenol		80	U H	20	150
Dimethyl phthalate		27	U H	17	50
Di-n-butyl phthalate		27	U H	15	50
4,6-Dinitro-2-methylphenol		80	U H	80	150
2,4-Dinitrophenol		80	U H	80	330
2,4-Dinitrotoluene		27	U H	27	200
2,6-Dinitrotoluene		27	U H	21	200
Di-n-octyl phthalate		27	U H	27	50
Fluoranthene		3.3	U H	3.3	6.7
Fluorene		3.3	U H	3.3	6.7
Hexachlorobenzene		3.3	U H	2.1	6.7
Hexachlorobutadiene		27	U H	27	50
Hexachlorocyclopentadiene		27	U H	27	330
Hexachloroethane		27	U H	9.0	50

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0048M-0001-SO**

Lab Sample ID: 240-17796-33 Date Sampled: 11/15/2012 1140
Client Matrix: Solid Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-67600	Lab File ID:	21211014.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.96 g
Analysis Date:	12/11/2012 1527	Run Type:	RE	Final Weight/Volume:	2 mL
Prep Date:	12/06/2012 1045			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	57		45 - 105
2-Fluorophenol (Surr)	46		35 - 105
Nitrobenzene-d5 (Surr)	58		35 - 100
Phenol-d5 (Surr)	59		40 - 100
Terphenyl-d14 (Surr)	70		30 - 125
2,4,6-Tribromophenol (Surr)	53		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0049M-0001-SO**

Lab Sample ID: 240-17796-34 Date Sampled: 11/15/2012 1205
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206012.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	30.07 g
Analysis Date:	12/06/2012 1314			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1523				

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		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: 240-17796-1

Client Sample ID: **076SB-0049M-0001-SO**

Lab Sample ID: 240-17796-34 Date Sampled: 11/15/2012 1205
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206012.D
Dilution:	10	Leach Batch:	240-65981	Initial Weight/Volume:	30.07 g
Analysis Date:	12/06/2012 1314			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1523				

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)	64		45 - 105
2-Fluorophenol (Surr)	74		35 - 105
Nitrobenzene-d5 (Surr)	63		35 - 100
Phenol-d5 (Surr)	67		40 - 100
Terphenyl-d14 (Surr)	74		30 - 125
2,4,6-Tribromophenol (Surr)	54		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0050M-0001-SO**

Lab Sample ID: 240-17796-35 Date Sampled: 11/15/2012 1230
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206019.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	30.40 g
Analysis Date:	12/06/2012 1556			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1523				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		8.1	U	8.1	16
Acenaphthylene		8.1	U	8.1	16
Anthracene		8.1	U	8.1	16
Benzo[a]anthracene		8.1	U	8.1	16
Benzo[a]pyrene		8.1	U	8.1	16
Benzo[b]fluoranthene		8.1	U	8.1	16
Benzo[g,h,i]perylene		8.1	U	8.1	16
Benzoic acid		820	U	820	1600
Benzo[k]fluoranthene		8.1	U	8.1	16
Benzyl alcohol		67	U	52	810
Bis(2-chloroethoxy)methane		67	U	54	250
Bis(2-chloroethyl)ether		8.1	U	4.9	250
bis (2-chloroisopropyl) ether		67	U	23	250
Bis(2-ethylhexyl) phthalate		47	J	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		8.1	U	8.1	120
2-Chlorophenol		67	U	67	120
4-Chlorophenyl phenyl ether		67	U	32	120
Chrysene		8.1	U	2.7	16
Dibenz(a,h)anthracene		8.1	U	8.1	16
Dibenzofuran		8.1	U	8.1	120
1,2-Dichlorobenzene		67	U	24	120
1,3-Dichlorobenzene		67	U	27	120
1,4-Dichlorobenzene		67	U	49	120
3,3'-Dichlorobenzidine		200	U	44	250
2,4-Dichlorophenol		67	U	49	370
Diethyl phthalate		67	U	39	120
2,4-Dimethylphenol		200	U	49	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	810
2,4-Dinitrotoluene		67	U	67	490
2,6-Dinitrotoluene		67	U	52	490
Di-n-octyl phthalate		67	U	67	120
Fluoranthene		8.1	U	8.1	16
Fluorene		8.1	U	8.1	16
Hexachlorobenzene		8.1	U	5.2	16
Hexachlorobutadiene		67	U	67	120
Hexachlorocyclopentadiene		67	U	67	810
Hexachloroethane		67	U	22	120

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0050M-0001-SO**

Lab Sample ID: 240-17796-35 Date Sampled: 11/15/2012 1230
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	21206019.D
Dilution:	2.5	Leach Batch:	240-65981	Initial Weight/Volume:	30.40 g
Analysis Date:	12/06/2012 1556			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL
Leach Date:	11/21/2012 1523				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Indeno[1,2,3-cd]pyrene		8.1	U	8.1	16
Isophorone		67	U	32	120
2-Methylnaphthalene		8.1	U	8.1	16
2-Methylphenol		200	U	200	490
3 & 4 Methylphenol		200	U	49	990
Naphthalene		8.1	U	8.1	16
2-Nitroaniline		67	U	22	490
3-Nitroaniline		200	U	39	490
4-Nitroaniline		67	U	64	490
Nitrobenzene		8.1	U	5.4	250
2-Nitrophenol		67	U	67	120
4-Nitrophenol		200	U	200	810
N-Nitrosodi-n-propylamine		67	U	67	120
N-Nitrosodiphenylamine		67	U	52	120
Pentachlorophenol		200	U	200	370
Phenanthrene		8.1	U	8.1	16
Phenol		67	U	67	120
Pyrene		8.1	U	8.1	16
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)	62		45 - 105
2-Fluorophenol (Surr)	72		35 - 105
Nitrobenzene-d5 (Surr)	65		35 - 100
Phenol-d5 (Surr)	69		40 - 100
Terphenyl-d14 (Surr)	75		30 - 125
2,4,6-Tribromophenol (Surr)	73		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0051M-0001-SO**

Lab Sample ID: 240-17796-36 Date Sampled: 11/15/2012 1210
Client Matrix: Solid % Moisture: 21.6 Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67761	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21207006.D
Dilution:	1.0			Initial Weight/Volume:	30.50 g
Analysis Date:	12/07/2012 1251			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Acenaphthene		4.1	U	4.1	8.4
Acenaphthylene		4.1	U	4.1	8.4
Anthracene		4.1	U	4.1	8.4
Benzo[a]anthracene		4.1	U	4.1	8.4
Benzo[a]pyrene		4.1	U	4.1	8.4
Benzo[b]fluoranthene		4.2	J	4.1	8.4
Benzo[g,h,i]perylene		12	M	4.1	8.4
Benzoic acid		420	U	420	830
Benzo[k]fluoranthene		4.1	U	4.1	8.4
Benzyl alcohol		34	U	26	410
Bis(2-chloroethoxy)methane		34	U	28	130
Bis(2-chloroethyl)ether		4.1	U	2.5	130
bis (2-chloroisopropyl) ether		34	U	12	130
Bis(2-ethylhexyl) phthalate		29	J	24	63
4-Bromophenyl phenyl ether		34	U	16	63
Butyl benzyl phthalate		34	U	13	63
Carbazole		34	U	34	63
4-Chloroaniline		34	U	21	190
4-Chloro-3-methylphenol		34	U	26	190
2-Chloronaphthalene		4.1	U	4.1	63
2-Chlorophenol		34	U	34	63
4-Chlorophenyl phenyl ether		34	U	16	63
Chrysene		4.1	U	1.4	8.4
Dibenz(a,h)anthracene		4.1	U	4.1	8.4
Dibenzofuran		4.1	U	4.1	63
1,2-Dichlorobenzene		34	U	12	63
1,3-Dichlorobenzene		34	U	14	63
1,4-Dichlorobenzene		34	U	25	63
3,3'-Dichlorobenzidine		100	U	23	130
2,4-Dichlorophenol		34	U	25	190
Diethyl phthalate		34	U	20	63
2,4-Dimethylphenol		100	U	25	190
Dimethyl phthalate		34	U	21	63
Di-n-butyl phthalate		34	U	19	63
4,6-Dinitro-2-methylphenol		100	U	100	190
2,4-Dinitrophenol		100	U	100	410
2,4-Dinitrotoluene		34	U	34	250
2,6-Dinitrotoluene		34	U	26	250
Di-n-octyl phthalate		34	U	34	63
Fluoranthene		4.1	U	4.1	8.4
Fluorene		4.1	U	4.1	8.4
Hexachlorobenzene		4.1	U	2.6	8.4
Hexachlorobutadiene		34	U	34	63
Hexachlorocyclopentadiene		34	U	34	410
Hexachloroethane		34	U	11	63
Indeno[1,2,3-cd]pyrene		4.1	U	4.1	8.4

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0051M-0001-SO**

Lab Sample ID: 240-17796-36 Date Sampled: 11/15/2012 1210
Client Matrix: Solid % Moisture: 21.6 Date Received: 11/16/2012 1842

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

Analysis Method:	8270C/DoD	Analysis Batch:	240-67761	Instrument ID:	A4HP7
Prep Method:	3540C	Prep Batch:	240-66569	Lab File ID:	21207006.D
Dilution:	1.0			Initial Weight/Volume:	30.50 g
Analysis Date:	12/07/2012 1251			Final Weight/Volume:	2 mL
Prep Date:	11/28/2012 0947			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Isophorone		34	U	16	63
2-Methylnaphthalene		8.6		4.1	8.4
2-Methylphenol		100	U	100	250
3 & 4 Methylphenol		100	U	25	500
Naphthalene		4.1	U	4.1	8.4
2-Nitroaniline		34	U	11	250
3-Nitroaniline		100	U	20	250
4-Nitroaniline		34	U	33	250
Nitrobenzene		4.1	U	2.8	130
2-Nitrophenol		34	U	34	63
4-Nitrophenol		100	U	100	410
N-Nitrosodi-n-propylamine		34	U	34	63
N-Nitrosodiphenylamine		34	U	26	63
Pentachlorophenol		100	U	100	190
Phenanthrene		4.1	U	4.1	8.4
Phenol		34	U	34	63
Pyrene		6.7	J	4.1	8.4
1,2,4-Trichlorobenzene		34	U	34	63
2,4,5-Trichlorophenol		34	U	31	190
2,4,6-Trichlorophenol		100	U	100	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	73		45 - 105
2-Fluorophenol (Surr)	76		35 - 105
Nitrobenzene-d5 (Surr)	75		35 - 100
Phenol-d5 (Surr)	77		40 - 100
Terphenyl-d14 (Surr)	86		30 - 125
2,4,6-Tribromophenol (Surr)	63		35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	240-66387	Instrument ID:	YPID
Prep Method:	5030B		N/A	Initial Weight/Volume:	5 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/28/2012 1556			Injection Volume:	
Prep Date:	11/28/2012 1556			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
C6-C12	33	J	25	100

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	74		10 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-65900	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/28/2012 1919			Injection Volume:	1 uL
Prep Date:	11/21/2012 0952			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
4,4'-DDD	0.0096	U	0.0092	0.048
4,4'-DDE	0.0096	U	0.0093	0.048
4,4'-DDT	0.029	U	0.015	0.048
Aldrin	0.0096	U	0.0079	0.048
alpha-BHC	0.0096	U	0.0067	0.048
alpha-Chlordane	0.013	U	0.013	0.048
beta-BHC	0.0096	U	0.0081	0.048
delta-BHC	0.0096	U	0.0084	0.048
Dieldrin	0.0096	U	0.0072	0.048
Endosulfan I	0.013	U	0.013	0.048
Endosulfan II	0.012	U	0.012	0.048
Endosulfan sulfate	0.011	U	0.011	0.048
Endrin	0.011	U	0.011	0.048
Endrin aldehyde	0.011	U	0.011	0.048
Endrin ketone	0.0096	U	0.0075	0.048
gamma-BHC (Lindane)	0.0096	U	0.0062	0.048
gamma-Chlordane	0.012	U	0.012	0.048
Heptachlor	0.0096	U	0.0077	0.048
Heptachlor epoxide	0.0096	U	0.0068	0.048
Methoxychlor	0.031	U	0.031	0.096
Toxaphene	0.48	U	0.31	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		30 - 135
Tetrachloro-m-xylene	77		25 - 140

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8081/DOD Organochlorine Pesticides (GC)

Analysis Method:	8081/DOD	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Prep Method:	3520C	Prep Batch:	240-65900	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/28/2012 1919			Injection Volume:	1 uL
Prep Date:	11/21/2012 0952			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	76		30 - 135
Tetrachloro-m-xylene	83		25 - 140

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0053M-0001-SO**

Lab Sample ID: 240-17796-9 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.62 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0527			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	PRIMARY
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	51
Aroclor-1016		25	U	21	66
Aroclor-1232		25	U	14	46
Aroclor-1242		25	U	13	41
Aroclor-1248		25	U	17	56
Aroclor-1254		25	U	17	56
Aroclor-1260		25	U	17	56

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		40 - 140
DCB Decachlorobiphenyl	75		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0053M-0001-SO**

Lab Sample ID: 240-17796-9 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.62 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0527			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	SECONDARY
Leach Date:	11/21/2012 1000				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		40 - 140
DCB Decachlorobiphenyl	72		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0007M-0001-SO**

Lab Sample ID: 240-17796-10 Date Sampled: 11/15/2012 1545
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.52 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0542			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	PRIMARY
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		25	U	16	51
Aroclor-1016		25	U	21	66
Aroclor-1232		25	U	14	46
Aroclor-1242		25	U	13	41
Aroclor-1248		25	U	17	56
Aroclor-1254		25	U	17	56
Aroclor-1260		24	J	17	56

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		40 - 140
DCB Decachlorobiphenyl	157	Q	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0007M-0001-SO**

Lab Sample ID: 240-17796-10 Date Sampled: 11/15/2012 1545
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.52 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0542			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	SECONDARY
Leach Date:	11/21/2012 1000				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		40 - 140
DCB Decachlorobiphenyl	84	M	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0054M-0001-SO**

Lab Sample ID: 240-17796-11 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.93 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0627			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	PRIMARY
Leach Date:	11/21/2012 1000				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		40 - 140
DCB Decachlorobiphenyl	82		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0054M-0001-SO**

Lab Sample ID: 240-17796-11 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.93 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0627			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	SECONDARY
Leach Date:	11/21/2012 1000				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		40 - 140
DCB Decachlorobiphenyl	73		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0055M-0001-SO**

Lab Sample ID: 240-17796-12 Date Sampled: 11/15/2012 1345
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.97 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0642			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	PRIMARY
Leach Date:	11/21/2012 1000				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		40 - 140
DCB Decachlorobiphenyl	85		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0055M-0001-SO**

Lab Sample ID: 240-17796-12 Date Sampled: 11/15/2012 1345
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.97 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0642			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	SECONDARY
Leach Date:	11/21/2012 1000				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		40 - 140
DCB Decachlorobiphenyl	76		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0056M-0001-SO**

Lab Sample ID: 240-17796-13 Date Sampled: 11/15/2012 1410
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	30.08 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0657			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	PRIMARY
Leach Date:	11/21/2012 1000				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		40 - 140
DCB Decachlorobiphenyl	86		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0056M-0001-SO**

Lab Sample ID: 240-17796-13 Date Sampled: 11/15/2012 1410
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	30.08 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0657			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	SECONDARY
Leach Date:	11/21/2012 1000				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		40 - 140
DCB Decachlorobiphenyl	76		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0057M-0001-SO**

Lab Sample ID: 240-17796-14 Date Sampled: 11/15/2012 1440
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	30.14 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0712			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	PRIMARY
Leach Date:	11/21/2012 1000				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64		40 - 140
DCB Decachlorobiphenyl	64		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0057M-0001-SO**

Lab Sample ID: 240-17796-14 Date Sampled: 11/15/2012 1440
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	30.14 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0712			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	SECONDARY
Leach Date:	11/21/2012 1000				

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0058M-0001-SO**

Lab Sample ID: 240-17796-15 Date Sampled: 11/15/2012 1530
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	30.37 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0727			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	PRIMARY
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	DL	LOQ
Aroclor-1221		24	U	16	49
Aroclor-1016		24	U	21	64
Aroclor-1232		24	U	14	44
Aroclor-1242		24	U	13	40
Aroclor-1248		24	U	17	54
Aroclor-1254		24	U	17	54
Aroclor-1260		24	U	17	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		40 - 140
DCB Decachlorobiphenyl	84		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0058M-0001-SO**

Lab Sample ID: 240-17796-15 Date Sampled: 11/15/2012 1530
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	30.37 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0727			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	SECONDARY
Leach Date:	11/21/2012 1000				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		40 - 140
DCB Decachlorobiphenyl	76		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0059M-0001-SO**

Lab Sample ID: 240-17796-16 Date Sampled: 11/15/2012 1600
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.79 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0742			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	PRIMARY
Leach Date:	11/21/2012 1000				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		40 - 140
DCB Decachlorobiphenyl	98		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0059M-0001-SO**

Lab Sample ID: 240-17796-16 Date Sampled: 11/15/2012 1600
Client Matrix: Solid Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-66777	Initial Weight/Volume:	29.79 g
Dilution:	1.0	Leach Batch:	240-65981	Final Weight/Volume:	10 mL
Analysis Date:	12/04/2012 0742			Injection Volume:	1 mL
Prep Date:	11/29/2012 1128			Result Type:	SECONDARY
Leach Date:	11/21/2012 1000				

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		40 - 140
DCB Decachlorobiphenyl	85		60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0013-0001-SW**

Lab Sample ID: 240-17796-17 Date Sampled: 11/15/2012 1400
Client Matrix: Water Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66802	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-66426	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/30/2012 1720			Injection Volume:	1 uL
Prep Date:	11/27/2012 1047			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		40 - 140
DCB Decachlorobiphenyl	52		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0013-0001-SW**

Lab Sample ID: 240-17796-17 Date Sampled: 11/15/2012 1400
Client Matrix: Water Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66802	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-66426	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/30/2012 1720			Injection Volume:	1 uL
Prep Date:	11/27/2012 1047			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		40 - 140
DCB Decachlorobiphenyl	51		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0014-0001-SW**

Lab Sample ID: 240-17796-18 Date Sampled: 11/15/2012 1500
Client Matrix: Water Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-65899	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/24/2012 2232			Injection Volume:	1 mL
Prep Date:	11/21/2012 0948			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.20	U	0.13	0.50
Aroclor-1016	0.20	U	0.17	0.50
Aroclor-1232	0.20	U	0.16	0.50
Aroclor-1242	0.40	U	0.22	0.50
Aroclor-1248	0.20	U	0.10	0.50
Aroclor-1254	0.20	U	0.16	0.50
Aroclor-1260	0.20	U	0.17	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	74		40 - 140
DCB Decachlorobiphenyl	52		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0014-0001-SW**

Lab Sample ID: 240-17796-18 Date Sampled: 11/15/2012 1500
Client Matrix: Water Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-65899	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/24/2012 2232			Injection Volume:	1 mL
Prep Date:	11/21/2012 0948			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		40 - 140
DCB Decachlorobiphenyl	50		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0015-0001-SW**

Lab Sample ID: 240-17796-19 Date Sampled: 11/15/2012 1530
Client Matrix: Water Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-65899	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/24/2012 2247			Injection Volume:	1 mL
Prep Date:	11/21/2012 0948			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		40 - 140
DCB Decachlorobiphenyl	47		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0015-0001-SW**

Lab Sample ID: 240-17796-19 Date Sampled: 11/15/2012 1530
Client Matrix: Water Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-65899	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/24/2012 2247			Injection Volume:	1 mL
Prep Date:	11/21/2012 0948			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		40 - 140
DCB Decachlorobiphenyl	46		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-65899	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/24/2012 2302			Injection Volume:	1 mL
Prep Date:	11/21/2012 0948			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aroclor-1221	0.19	U	0.13	0.48
Aroclor-1016	0.19	U	0.16	0.48
Aroclor-1232	0.19	U	0.15	0.48
Aroclor-1242	0.38	U	0.21	0.48
Aroclor-1248	0.19	U	0.096	0.48
Aroclor-1254	0.19	U	0.15	0.48
Aroclor-1260	0.19	U	0.16	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		40 - 140
DCB Decachlorobiphenyl	72		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082/DOD	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Prep Method:	3520C	Prep Batch:	240-65899	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/24/2012 2302			Injection Volume:	1 mL
Prep Date:	11/21/2012 0948			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		40 - 140
DCB Decachlorobiphenyl	69		40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-67147	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-65729	Initial Weight/Volume:	500 mL
Dilution:	1.0			Final Weight/Volume:	100 mL
Analysis Date:	12/04/2012 0235			Injection Volume:	1 uL
Prep Date:	11/20/2012 0945			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
2,4-D	0.50	U	0.41	4.0
Dalapon	0.20	U	0.17	2.0
2,4-DB	1.0	U	0.69	4.0
Dicamba	1.0	U	0.52	2.0
Dichlorprop	1.0	U	0.86	4.0
Dinoseb	0.20	U	0.087	0.60
MCPA	400	U	390	400
MCPP	400	U	400	400
Pentachlorophenol	0.040	U	0.024	0.10
Silvex (2,4,5-TP)	0.20	U	0.20	1.0
2,4,5-T	0.50	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	77		32 - 112

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8151/DOD Herbicides (GC)

Analysis Method:	8151/DOD	Analysis Batch:	240-67147	Instrument ID:	A2HP1
Prep Method:	8151A	Prep Batch:	240-65729	Initial Weight/Volume:	500 mL
Dilution:	1.0			Final Weight/Volume:	100 mL
Analysis Date:	12/04/2012 0235			Injection Volume:	1 uL
Prep Date:	11/20/2012 0945			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	83		32 - 112

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0022M-0001-SO**

Lab Sample ID: 240-17796-2 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-042-1.d
Dilution:	1.0			Initial Weight/Volume:	2.01 g
Analysis Date:	12/05/2012 2044			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0053M-0001-SO**

Lab Sample ID: 240-17796-9 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-045-1.d
Dilution:	1.0			Initial Weight/Volume:	2.03 g
Analysis Date:	12/05/2012 2127			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0007M-0001-SO**

Lab Sample ID: 240-17796-10 Date Sampled: 11/15/2012 1545
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-046-1.d
Dilution:	1.0			Initial Weight/Volume:	2.06 g
Analysis Date:	12/05/2012 2141			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0054M-0001-SO**

Lab Sample ID: 240-17796-11 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-047-1.d
Dilution:	1.0			Initial Weight/Volume:	2.02 g
Analysis Date:	12/05/2012 2156			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0055M-0001-SO**

Lab Sample ID: 240-17796-12 Date Sampled: 11/15/2012 1345
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-048-1.d
Dilution:	1.0			Initial Weight/Volume:	2.03 g
Analysis Date:	12/05/2012 2210			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0056M-0001-SO**

Lab Sample ID: 240-17796-13 Date Sampled: 11/15/2012 1410
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-049-1.d
Dilution:	1.0			Initial Weight/Volume:	2.06 g
Analysis Date:	12/05/2012 2224			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0057M-0001-SO**

Lab Sample ID: 240-17796-14 Date Sampled: 11/15/2012 1440
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-051-1.d
Dilution:	1.0			Initial Weight/Volume:	2.00 g
Analysis Date:	12/05/2012 2253			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0058M-0001-SO**

Lab Sample ID: 240-17796-15 Date Sampled: 11/15/2012 1530
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-052-1.d
Dilution:	1.0			Initial Weight/Volume:	2.05 g
Analysis Date:	12/05/2012 2307			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.020	0.24

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0059M-0001-SO**

Lab Sample ID: 240-17796-16 Date Sampled: 11/15/2012 1600
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-053-1.d
Dilution:	1.0			Initial Weight/Volume:	2.12 g
Analysis Date:	12/05/2012 2322			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.038	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0013-0001-SW**

Lab Sample ID: 240-17796-17 Date Sampled: 11/15/2012 1400
Client Matrix: Water Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Filtration	Prep Batch:	320-6878	Lab File ID:	320-0001684-067-1.d
Dilution:	1.0			Initial Weight/Volume:	10.00 mL
Analysis Date:	12/06/2012 0213			Final Weight/Volume:	10.00 mL
Prep Date:	12/05/2012 0738			Injection Volume:	50 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Nitroguanidine	6.0	U	2.4	20

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0014-0001-SW**

Lab Sample ID: 240-17796-18 Date Sampled: 11/15/2012 1500
Client Matrix: Water Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Filtration	Prep Batch:	320-6878	Lab File ID:	320-0001684-070-1.d
Dilution:	1.0			Initial Weight/Volume:	10.00 mL
Analysis Date:	12/06/2012 0256			Final Weight/Volume:	10.00 mL
Prep Date:	12/05/2012 0738			Injection Volume:	50 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Nitroguanidine	6.0	U	2.4	20

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0015-0001-SW**

Lab Sample ID: 240-17796-19 Date Sampled: 11/15/2012 1530
Client Matrix: Water Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Filtration	Prep Batch:	320-6878	Lab File ID:	320-0001684-071-1.d
Dilution:	1.0			Initial Weight/Volume:	10.00 mL
Analysis Date:	12/06/2012 0310			Final Weight/Volume:	10.00 mL
Prep Date:	12/05/2012 0738			Injection Volume:	50 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Nitroguanidine	6.0	U	2.4	20

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Filtration	Prep Batch:	320-6878	Lab File ID:	320-0001684-072-1.d
Dilution:	1.0			Initial Weight/Volume:	10.00 mL
Analysis Date:	12/06/2012 0325			Final Weight/Volume:	10.00 mL
Prep Date:	12/05/2012 0738			Injection Volume:	50 uL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Nitroguanidine	6.0	U	2.4	20

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0044M-0001-SO**

Lab Sample ID: 240-17796-29 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-054-1.d
Dilution:	1.0			Initial Weight/Volume:	2.00 g
Analysis Date:	12/05/2012 2336			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0045M-0001-SO**

Lab Sample ID: 240-17796-30 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-055-1.d
Dilution:	1.0			Initial Weight/Volume:	2.04 g
Analysis Date:	12/05/2012 2350			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0046M-0001-SO**

Lab Sample ID: 240-17796-31 Date Sampled: 11/15/2012 1050
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-056-1.d
Dilution:	1.0			Initial Weight/Volume:	2.04 g
Analysis Date:	12/06/2012 0004			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0047M-0001-SO**

Lab Sample ID: 240-17796-32 Date Sampled: 11/15/2012 1111
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-057-1.d
Dilution:	1.0			Initial Weight/Volume:	2.11 g
Analysis Date:	12/06/2012 0019			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.036	J	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0047M-0001-SO**

Lab Sample ID: 240-17796-32 Date Sampled: 11/15/2012 1111
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-7142	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001757-006-1.d
Dilution:	1.0			Initial Weight/Volume:	2.11 g
Analysis Date:	12/10/2012 1345			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.038	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0048M-0001-SO**

Lab Sample ID: 240-17796-33 Date Sampled: 11/15/2012 1140
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-058-1.d
Dilution:	1.0			Initial Weight/Volume:	2.10 g
Analysis Date:	12/06/2012 0033			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.038	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0049M-0001-SO**

Lab Sample ID: 240-17796-34 Date Sampled: 11/15/2012 1205
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-059-1.d
Dilution:	1.0			Initial Weight/Volume:	2.03 g
Analysis Date:	12/06/2012 0047			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0050M-0001-SO**

Lab Sample ID: 240-17796-35 Date Sampled: 11/15/2012 1230
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-060-1.d
Dilution:	1.0			Initial Weight/Volume:	2.06 g
Analysis Date:	12/06/2012 0102			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.039	U	0.019	0.24

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0051M-0001-SO**

Lab Sample ID: 240-17796-36 Date Sampled: 11/15/2012 1210
Client Matrix: Solid Date Received: 11/16/2012 1842

8330 Modified Nitroguanidine (HPLC)

Analysis Method:	8330 Modified	Analysis Batch:	320-6888	Instrument ID:	PDA1
Prep Method:	Sieve/Ultrasoni	Prep Batch:	320-6579	Lab File ID:	320-0001684-062-1.d
Dilution:	1.0			Initial Weight/Volume:	1.98 g
Analysis Date:	12/06/2012 0130			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Nitroguanidine		0.040	U	0.020	0.25

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0022M-0001-SO**

Lab Sample ID: 240-17796-2 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.07 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/11/2012 1807			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.0099	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0072	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.017	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.0099	0.25
1,3,5-Trinitrobenzene		0.050	U	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0053M-0001-SO**

Lab Sample ID: 240-17796-9 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/11/2012 2008			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.0099	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0072	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.017	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.0099	0.25
1,3,5-Trinitrobenzene		0.050	U	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	96		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0007M-0001-SO**

Lab Sample ID: 240-17796-10 Date Sampled: 11/15/2012 1545
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.09 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/11/2012 2048			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.0099	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0072	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.017	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.0099	0.25
1,3,5-Trinitrobenzene		0.050	U	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0054M-0001-SO**

Lab Sample ID: 240-17796-11 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.05 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/11/2012 2128			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0055M-0001-SO**

Lab Sample ID: 240-17796-12 Date Sampled: 11/15/2012 1345
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/11/2012 2209			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0056M-0001-SO**

Lab Sample ID: 240-17796-13 Date Sampled: 11/15/2012 1410
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.12 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/11/2012 2249			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.049	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.049	U	0.0099	0.25
1,3-Dinitrobenzene		0.049	U	0.0042	0.25
2,4-Dinitrotoluene		0.049	U	0.0052	0.25
2,6-Dinitrotoluene		0.049	U	0.0072	0.25
HMX		0.049	U	0.012	0.25
Nitrobenzene		0.049	U	0.017	0.25
Nitroglycerin		0.25	U	0.015	0.49
2-Nitrotoluene		0.049	U	0.013	0.25
3-Nitrotoluene		0.049	U	0.015	0.25
4-Nitrotoluene		0.049	U	0.018	0.25
PETN		0.25	U	0.025	0.49
RDX		0.049	U	0.012	0.25
Tetryl		0.049	U	0.0099	0.25
1,3,5-Trinitrobenzene		0.049	U	0.0099	0.25
2,4,6-Trinitrotoluene		0.049	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0057M-0001-SO**

Lab Sample ID: 240-17796-14 Date Sampled: 11/15/2012 1440
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0009			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0058M-0001-SO**

Lab Sample ID: 240-17796-15 Date Sampled: 11/15/2012 1530
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.05 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0049			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	98		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0059M-0001-SO**

Lab Sample ID: 240-17796-16 Date Sampled: 11/15/2012 1600
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0129			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0013-0001-SW**

Lab Sample ID: 240-17796-17 Date Sampled: 11/15/2012 1400
Client Matrix: Water Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-6772	Instrument ID:	LC10
Prep Method:	8330-Prep	Prep Batch:	320-6172	Initial Weight/Volume:	978.7 mL
Dilution:	1.0			Final Weight/Volume:	20 mL
Analysis Date:	12/04/2012 1500			Injection Volume:	500 uL
Prep Date:	11/20/2012 1214			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,3,5-Trinitrobenzene	0.051	U J	0.032	0.10
1,3-Dinitrobenzene	0.10	U J	0.051	0.10
2,4,6-Trinitrotoluene	0.10	U J	0.051	0.10
2,4-Dinitrotoluene	0.10	U J	0.051	0.10
2,6-Dinitrotoluene	0.10	U J	0.051	0.10
2-Amino-4,6-dinitrotoluene	0.10	U J	0.015	0.20
2-Nitrotoluene	0.10	U J	0.090	0.51
3-Nitrotoluene	0.10	U J	0.058	0.51
4-Nitrotoluene	0.10	U J	0.090	0.51
4-Amino-2,6-dinitrotoluene	0.10	U J	0.051	0.10
HMX	0.051	U J	0.037	0.10
RDX	0.051	U J	0.037	0.10
Nitrobenzene	0.10	U J	0.051	0.10
Tetryl	0.10	U J	0.051	0.10
Nitroglycerin	0.51	U J	0.34	0.66
PETN	0.51	U J	0.31	0.66

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	95	M	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0014-0001-SW**

Lab Sample ID: 240-17796-18 Date Sampled: 11/15/2012 1500
Client Matrix: Water Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-6772	Instrument ID:	LC10
Prep Method:	8330-Prep	Prep Batch:	320-6172	Initial Weight/Volume:	970.5 mL
Dilution:	1.0			Final Weight/Volume:	20 mL
Analysis Date:	12/04/2012 1701			Injection Volume:	500 uL
Prep Date:	11/20/2012 1214			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,3,5-Trinitrobenzene	0.052	U	0.032	0.10
1,3-Dinitrobenzene	0.10	U	0.052	0.10
2,4,6-Trinitrotoluene	0.10	U	0.052	0.10
2,4-Dinitrotoluene	0.10	U	0.052	0.10
2,6-Dinitrotoluene	0.10	U	0.052	0.10
2-Amino-4,6-dinitrotoluene	0.10	U	0.015	0.21
2-Nitrotoluene	0.10	U	0.091	0.52
3-Nitrotoluene	0.10	U	0.059	0.52
4-Nitrotoluene	0.10	U	0.091	0.52
4-Amino-2,6-dinitrotoluene	0.10	U	0.052	0.10
HMX	0.052	U	0.037	0.10
RDX	0.052	U	0.037	0.10
Nitrobenzene	0.10	U	0.052	0.10
Tetryl	0.10	U	0.052	0.10
Nitroglycerin	0.52	U	0.34	0.67
PETN	0.52	U	0.31	0.67

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93	M	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SW-0015-0001-SW**

Lab Sample ID: 240-17796-19 Date Sampled: 11/15/2012 1530
Client Matrix: Water Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-6772	Instrument ID:	LC10
Prep Method:	8330-Prep	Prep Batch:	320-6172	Initial Weight/Volume:	967.8 mL
Dilution:	1.0			Final Weight/Volume:	20 mL
Analysis Date:	12/04/2012 1741			Injection Volume:	500 uL
Prep Date:	11/20/2012 1214			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,3,5-Trinitrobenzene	0.052	U	0.032	0.10
1,3-Dinitrobenzene	0.10	U	0.052	0.10
2,4,6-Trinitrotoluene	0.10	U	0.052	0.10
2,4-Dinitrotoluene	0.10	U	0.052	0.10
2,6-Dinitrotoluene	0.10	U	0.052	0.10
2-Amino-4,6-dinitrotoluene	0.10	U	0.015	0.21
2-Nitrotoluene	0.10	U	0.091	0.52
3-Nitrotoluene	0.10	U	0.059	0.52
4-Nitrotoluene	0.10	U	0.091	0.52
4-Amino-2,6-dinitrotoluene	0.10	U	0.052	0.10
HMX	0.052	U	0.037	0.10
RDX	0.052	U	0.037	0.10
Nitrobenzene	0.10	U	0.052	0.10
Tetryl	0.10	U	0.052	0.10
Nitroglycerin	0.52	U	0.34	0.67
PETN	0.52	U	0.31	0.67

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	94		79 - 111

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-6772	Instrument ID:	LC10
Prep Method:	8330-Prep	Prep Batch:	320-6172	Initial Weight/Volume:	974.3 mL
Dilution:	1.0			Final Weight/Volume:	20 mL
Analysis Date:	12/04/2012 1822			Injection Volume:	500 uL
Prep Date:	11/20/2012 1214			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,3,5-Trinitrobenzene	0.051	U	0.032	0.10
1,3-Dinitrobenzene	0.10	U	0.051	0.10
2,4,6-Trinitrotoluene	0.10	U	0.051	0.10
2,4-Dinitrotoluene	0.10	U	0.051	0.10
2,6-Dinitrotoluene	0.10	U	0.051	0.10
2-Amino-4,6-dinitrotoluene	0.10	U	0.015	0.21
2-Nitrotoluene	0.10	U	0.090	0.51
3-Nitrotoluene	0.10	U	0.059	0.51
4-Nitrotoluene	0.10	U	0.090	0.51
4-Amino-2,6-dinitrotoluene	0.10	U	0.051	0.10
HMX	0.051	U	0.037	0.10
RDX	0.051	U	0.037	0.10
Nitrobenzene	0.10	U	0.051	0.10
Tetryl	0.10	U	0.051	0.10
Nitroglycerin	0.51	U	0.34	0.67
PETN	0.51	U	0.31	0.67

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	96		79 - 111

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0044M-0001-SO**

Lab Sample ID: 240-17796-29 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.09 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0210			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.0099	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0072	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.017	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.0099	0.25
1,3,5-Trinitrobenzene		0.050	U	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	93		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0045M-0001-SO**

Lab Sample ID: 240-17796-30 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.00 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0250			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	98		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0046M-0001-SO**

Lab Sample ID: 240-17796-31 Date Sampled: 11/15/2012 1050
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.01 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0330			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	99		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0047M-0001-SO**

Lab Sample ID: 240-17796-32 Date Sampled: 11/15/2012 1111
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.10 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0411			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.0099	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0052	0.25
2,6-Dinitrotoluene		0.050	U	0.0072	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.017	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.0099	0.25
1,3,5-Trinitrobenzene		0.050	U	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	96		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0048M-0001-SO**

Lab Sample ID: 240-17796-33 Date Sampled: 11/15/2012 1140
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.04 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0451			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0049M-0001-SO**

Lab Sample ID: 240-17796-34 Date Sampled: 11/15/2012 1205
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0531			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0050M-0001-SO**

Lab Sample ID: 240-17796-35 Date Sampled: 11/15/2012 1230
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0612			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
2-Amino-4,6-dinitrotoluene		0.050	U	0.012	0.25
4-Amino-2,6-dinitrotoluene		0.050	U	0.0099	0.25
1,3-Dinitrobenzene		0.050	U	0.0042	0.25
2,4-Dinitrotoluene		0.050	U	0.0053	0.25
2,6-Dinitrotoluene		0.050	U	0.0072	0.25
HMX		0.050	U	0.012	0.25
Nitrobenzene		0.050	U	0.017	0.25
Nitroglycerin		0.25	U	0.015	0.50
2-Nitrotoluene		0.050	U	0.013	0.25
3-Nitrotoluene		0.050	U	0.015	0.25
4-Nitrotoluene		0.050	U	0.018	0.25
PETN		0.25	U	0.025	0.50
RDX		0.050	U	0.012	0.25
Tetryl		0.050	U	0.0099	0.25
1,3,5-Trinitrobenzene		0.050	U	0.0099	0.25
2,4,6-Trinitrotoluene		0.050	U	0.019	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0051M-0001-SO**

Lab Sample ID: 240-17796-36 Date Sampled: 11/15/2012 1210
Client Matrix: Solid Date Received: 11/16/2012 1842

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	320-7240	Instrument ID:	LC10
Prep Method:	8330B	Prep Batch:	320-6559	Initial Weight/Volume:	10.03 g
Dilution:	1.0			Final Weight/Volume:	80 mL
Analysis Date:	12/12/2012 0732			Injection Volume:	500 uL
Prep Date:	11/29/2012 0810			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
3,4-Dinitrotoluene	97		78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0023M-0001-SO**

Lab Sample ID: 240-17796-1 Date Sampled: 11/15/2012 0915
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.61 g
Analysis Date:	11/30/2012 1620			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.033	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0022M-0001-SO**

Lab Sample ID: 240-17796-2 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.65 g
Analysis Date:	11/30/2012 1651			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.033	J	0.013	0.092

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0024M-0001-SO**

Lab Sample ID: 240-17796-3 Date Sampled: 11/15/2012 1020
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.61 g
Analysis Date:	11/30/2012 1655			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.028	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0025M-0001-SO**

Lab Sample ID: 240-17796-4 Date Sampled: 11/15/2012 0900
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.66 g
Analysis Date:	11/30/2012 1637			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.029	J	0.013	0.091

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0026M-0001-SO**

Lab Sample ID: 240-17796-5 Date Sampled: 11/15/2012 0920
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.64 g
Analysis Date:	11/30/2012 1648			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.027	J	0.013	0.094

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0027M-0001-SO**

Lab Sample ID: 240-17796-6 Date Sampled: 11/15/2012 0940
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.62 g
Analysis Date:	11/30/2012 1644			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.042	J	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0028M-0001-SO**

Lab Sample ID: 240-17796-7 Date Sampled: 11/15/2012 1000
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.60 g
Analysis Date:	11/30/2012 1647			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.026	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0029M-0001-SO**

Lab Sample ID: 240-17796-8 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.64 g
Analysis Date:	11/30/2012 1630			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.036	J	0.013	0.094

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0053M-0001-SO**

Lab Sample ID: 240-17796-9 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.61 g
Analysis Date:	11/30/2012 1654			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.027	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SS-0007M-0001-SO**

Lab Sample ID: 240-17796-10 Date Sampled: 11/15/2012 1545
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.63 g
Analysis Date:	11/30/2012 1629			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.045	J	0.013	0.095

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0054M-0001-SO**

Lab Sample ID: 240-17796-11 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.64 g
Analysis Date:	11/30/2012 1633			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.016	J	0.013	0.094

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0055M-0001-SO**

Lab Sample ID: 240-17796-12 Date Sampled: 11/15/2012 1345
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.63 g
Analysis Date:	11/30/2012 1634			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.017	J	0.013	0.095

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0056M-0001-SO**

Lab Sample ID: 240-17796-13 Date Sampled: 11/15/2012 1410
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.64 g
Analysis Date:	11/30/2012 1640			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.021	J	0.013	0.094

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0057M-0001-SO**

Lab Sample ID: 240-17796-14 Date Sampled: 11/15/2012 1440
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.65 g
Analysis Date:	11/30/2012 1636			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.021	J	0.013	0.092

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0058M-0001-SO**

Lab Sample ID: 240-17796-15 Date Sampled: 11/15/2012 1530
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.62 g
Analysis Date:	11/30/2012 1632			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0059M-0001-SO**

Lab Sample ID: 240-17796-16 Date Sampled: 11/15/2012 1600
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.62 g
Analysis Date:	11/30/2012 1645			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.018	J	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300
Client Matrix: Water Date Received: 11/16/2012 1842

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

Analysis Method:	6020/DOD	Analysis Batch:	240-68088	Instrument ID:	I8
Prep Method:	3005A	Prep Batch:	240-66568	Lab File ID:	I8121012A.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1035			Final Weight/Volume:	50 mL
Prep Date:	11/28/2012 0945				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Aluminum	60	U	20	60
Antimony	0.34	J	0.21	2.0
Arsenic	1.0	U	0.44	5.0
Barium	4.0	U	1.6	5.0
Beryllium	0.50	U	0.50	1.0
Cadmium	0.40	U	0.40	2.0
Calcium	1000	U	540	2000
Chromium	0.60	J	0.53	2.0
Cobalt	0.20	U	0.20	1.0
Copper	4.0	U	1.4	4.0
Iron	100	U	44	150
Lead	0.50	U	0.20	1.0
Magnesium	300	U	120	1000
Manganese	3.5	J	1.1	5.0
Nickel	20		0.62	5.0
Potassium	50	U	16	1000
Selenium	0.50	U	0.20	5.0
Silver	0.25	U	0.080	1.0
Sodium	400	U	160	1000
Thallium	0.75	J	0.32	2.0
Vanadium	1.5	U	0.51	5.0
Zinc	10	J	8.8	40

7470A/DOD Mercury (CVAA)

Analysis Method:	7470A/DOD	Analysis Batch:	240-66485	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1628			Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0060M-0001-SO**

Lab Sample ID: 240-17796-22 Date Sampled: 11/15/2012 1735
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.62 g
Analysis Date:	11/30/2012 1653			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.026	J	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0061M-0001-SO**

Lab Sample ID: 240-17796-23 Date Sampled: 11/15/2012 1735
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.60 g
Analysis Date:	11/30/2012 1639			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.017	J	0.014	0.10

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0062M-0001-SO**

Lab Sample ID: 240-17796-24 Date Sampled: 11/15/2012 1705
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.62 g
Analysis Date:	11/30/2012 1628			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.028	J	0.014	0.097

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0063M-0001-SO**

Lab Sample ID: 240-17796-25 Date Sampled: 11/15/2012 1715
Client Matrix: Solid Date Received: 11/16/2012 1842

7471/DOD Mercury (CVAA)

Analysis Method:	7471/DOD	Analysis Batch:	240-67078	Instrument ID:	H1
Prep Method:	7471A	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.60 g
Analysis Date:	11/30/2012 1650			Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0064M-0001-SO**

Lab Sample ID: 240-17796-26 Date Sampled: 11/15/2012 1725
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	240-65981	Initial Weight/Volume:	0.52 g
Analysis Date:	11/30/2012 1702			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.023	J	0.016	0.12

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0065M-0001-SO**

Lab Sample ID: 240-17796-27 Date Sampled: 11/15/2012 1740
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	240-65981	Initial Weight/Volume:	0.61 g
Analysis Date:	11/30/2012 1707			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.027	J	0.014	0.098

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Client Sample ID: **076SB-0066M-0001-SO**

Lab Sample ID: 240-17796-28 Date Sampled: 11/15/2012 1650
Client Matrix: Solid Date Received: 11/16/2012 1842

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:	240-65981	Initial Weight/Volume:	0.62 g
Analysis Date:	11/30/2012 1709			Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/21/2012 1000				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	DL	LOQ
Hg		0.043	J	0.014	0.097

General Chemistry

Client Sample ID: **076SB-0023M-0001-SO**

Lab Sample ID: 240-17796-1 Date Sampled: 11/15/2012 0915

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SS-0022M-0001-SO**

Lab Sample ID: 240-17796-2 Date Sampled: 11/15/2012 1225
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Cr (VI)	0.80	U	mg/Kg	0.27	0.80	1.0	7196A
Analysis Batch: 240-67491	Analysis Date: 12/05/2012 1558						DryWt Corrected: N
Prep Batch: 240-67293	Prep Date: 12/04/2012 1500						
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	17	U J	mg/Kg	7.2	46	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1254						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

Client: Environmental Chemical Corp. Job Number: 240-17796-1

General Chemistry

Client Sample ID: **076SB-0024M-0001-SO**

Lab Sample ID: 240-17796-3 Date Sampled: 11/15/2012 1020
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0025M-0001-SO**

Lab Sample ID: 240-17796-4 Date Sampled: 11/15/2012 0900

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0026M-0001-SO**

Lab Sample ID: 240-17796-5 Date Sampled: 11/15/2012 0920

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

Client: Environmental Chemical Corp. Job Number: 240-17796-1

General Chemistry

Client Sample ID: **076SB-0027M-0001-SO**

Lab Sample ID: 240-17796-6 Date Sampled: 11/15/2012 0940
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0028M-0001-SO**

Lab Sample ID: 240-17796-7 Date Sampled: 11/15/2012 1000

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0029M-0001-SO**

Lab Sample ID: 240-17796-8 Date Sampled: 11/15/2012 1225

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0053M-0001-SO**

Lab Sample ID: 240-17796-9 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.5	48	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1308						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SS-0007M-0001-SO**

Lab Sample ID: 240-17796-10 Date Sampled: 11/15/2012 1545
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	16	U	mg/Kg	6.9	44	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1310						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0054M-0001-SO**

Lab Sample ID: 240-17796-11 Date Sampled: 11/15/2012 1555
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	17	U	mg/Kg	7.2	46	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1312						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0055M-0001-SO**

Lab Sample ID: 240-17796-12 Date Sampled: 11/15/2012 1345
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	17	U	mg/Kg	7.2	46	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1314						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0056M-0001-SO**

Lab Sample ID: 240-17796-13 Date Sampled: 11/15/2012 1410
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.7	50	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1316						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0057M-0001-SO**

Lab Sample ID: 240-17796-14 Date Sampled: 11/15/2012 1440
Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.9	51	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1318						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0058M-0001-SO**

Lab Sample ID: 240-17796-15 Date Sampled: 11/15/2012 1530

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	17	U	mg/Kg	7.3	47	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1320						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0059M-0001-SO**

Lab Sample ID: 240-17796-16 Date Sampled: 11/15/2012 1600

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.6	49	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1322						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SW-0013-0001-SW**

Lab Sample ID: 240-17796-17 Date Sampled: 11/15/2012 1400

Client Matrix: Water Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Nitrocellulose	1.0	U	mg/L	0.48	2.0	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1404						
Prep Batch: 320-6966	Prep Date: 12/06/2012 0641						

General Chemistry

Client Sample ID: **076SW-0014-0001-SW**

Lab Sample ID: 240-17796-18 Date Sampled: 11/15/2012 1500

Client Matrix: Water Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Nitrocellulose	1.0	U	mg/L	0.48	2.0	1.0	WS-WC-0050

Analysis Batch: 320-7008 Analysis Date: 12/06/2012 1410

Prep Batch: 320-6966 Prep Date: 12/06/2012 0641

General Chemistry

Client Sample ID: **076SW-0015-0001-SW**

Lab Sample ID: 240-17796-19 Date Sampled: 11/15/2012 1530

Client Matrix: Water Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Nitrocellulose	1.0	U	mg/L	0.48	2.0	1.0	WS-WC-0050

Analysis Batch: 320-7008 Analysis Date: 12/06/2012 1412

Prep Batch: 320-6966 Prep Date: 12/06/2012 0641

General Chemistry

Client Sample ID: **076-0067-0001-ER**

Lab Sample ID: 240-17796-20 Date Sampled: 11/15/2012 1300

Client Matrix: Water Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Nitrocellulose	1.0	U	mg/L	0.48	2.0	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1414						
Prep Batch: 320-6966	Prep Date: 12/06/2012 0641						

General Chemistry

Client Sample ID: **076SB-0060M-0001-SO**

Lab Sample ID: 240-17796-22 Date Sampled: 11/15/2012 1735

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0061M-0001-SO**

Lab Sample ID: 240-17796-23 Date Sampled: 11/15/2012 1735

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0062M-0001-SO**

Lab Sample ID: 240-17796-24 Date Sampled: 11/15/2012 1705

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0063M-0001-SO**

Lab Sample ID: 240-17796-25 Date Sampled: 11/15/2012 1715

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0064M-0001-SO**

Lab Sample ID: 240-17796-26 Date Sampled: 11/15/2012 1725

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0065M-0001-SO**

Lab Sample ID: 240-17796-27 Date Sampled: 11/15/2012 1740

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0066M-0001-SO**

Lab Sample ID: 240-17796-28 Date Sampled: 11/15/2012 1650

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N

General Chemistry

Client Sample ID: **076SB-0044M-0001-SO**

Lab Sample ID: 240-17796-29 Date Sampled: 11/15/2012 1225

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.9	51	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1324						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0045M-0001-SO**

Lab Sample ID: 240-17796-30 Date Sampled: 11/15/2012 1225

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.7	50	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1326						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0046M-0001-SO**

Lab Sample ID: 240-17796-31 Date Sampled: 11/15/2012 1050

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	17	U	mg/Kg	7.4	47	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1336						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0047M-0001-SO**

Lab Sample ID: 240-17796-32 Date Sampled: 11/15/2012 1111

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.8	50	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1338						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0048M-0001-SO**

Lab Sample ID: 240-17796-33 Date Sampled: 11/15/2012 1140

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	19	U	mg/Kg	8.0	51	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1340						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0049M-0001-SO**

Lab Sample ID: 240-17796-34 Date Sampled: 11/15/2012 1205

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	98		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	1.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	18	U	mg/Kg	7.9	51	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1342						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0050M-0001-SO**

Lab Sample ID: 240-17796-35 Date Sampled: 11/15/2012 1230

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	99		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	0.90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	17	U	mg/Kg	7.2	46	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1344						DryWt Corrected: N
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

General Chemistry

Client Sample ID: **076SB-0051M-0001-SO**

Lab Sample ID: 240-17796-36 Date Sampled: 11/15/2012 1210

Client Matrix: Solid Date Received: 11/16/2012 1842

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-66082	Analysis Date: 11/23/2012 1025						DryWt Corrected: N
Nitrocellulose	22	U	mg/Kg	9.6	61	1.0	WS-WC-0050
Analysis Batch: 320-7008	Analysis Date: 12/06/2012 1346						DryWt Corrected: Y
Prep Batch: 320-6967	Prep Date: 12/06/2012 0713						

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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 240-66239/5		86	93	91	89
MRL 240-66239/31		85	91	94	88

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: 240-17796-1

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
240-17796-1	076SB-0023M-0001-SO	81	93	92	90
240-17796-3	076SB-0024M-0001-SO	81	93	92	88
240-17796-4	076SB-0025M-0001-SO	80	93	94	92
240-17796-5	076SB-0026M-0001-SO	81	93	92	87
240-17796-6	076SB-0027M-0001-SO	82	92	100	99
240-17796-7	076SB-0028M-0001-SO	82	97	92	87
240-17796-8	076SB-0029M-0001-SO	79	90	92	94
240-17796-22	076SB-0060M-0001-SO	81	96	95	89
240-17796-23	076SB-0061M-0001-SO	77	89	92	86
240-17796-24	076SB-0062M-0001-SO	80	95	92	86
240-17796-25	076SB-0063M-0001-SO	78	90	99	107
240-17796-26	076SB-0064M-0001-SO	81	97	92	86
240-17796-27	076SB-0065M-0001-SO	79	88	93	87
240-17796-28	076SB-0066M-0001-SO	80	94	93	91
MB 240-66239/8		82	91	89	85
LCS 240-66239/7		91	91	93	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: 240-17796-1

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: 240-17796-1

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
240-17796-20	076-0067-0001-ER	108	113	107	82
240-17796-21	076-0068-0001-TB	107	110	100	77
240-17796-37	076SB-0052-0001-TB	103	108	99	75
MB 240-65929/6		101	108	102	81
LCS 240-65929/4		96	101	102	94
240-17796-20 MS	076-0067-0001-ER MS	96	103	101	94
240-17796-20 MSD	076-0067-0001-ER MSD	96	108	103	96

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: 240-17796-1

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
240-17796-1	076SB-0023M-0001-SO	67	67	66	61	68	72
240-17796-2	076SS-0022M-0001-SO	61	77	79	72	61	77
240-17796-3	076SB-0024M-0001-SO	65	66	64	63	51	69
240-17796-4	076SB-0025M-0001-SO	65	66	61	63	67	75
240-17796-5	076SB-0026M-0001-SO	68	70	67	61	62	76
240-17796-6	076SB-0027M-0001-SO	61	62	60	56	67	70
240-17796-7	076SB-0028M-0001-SO	58	60	58	57	53	63
240-17796-8	076SB-0029M-0001-SO	69	75	73	68	64	77
240-17796-9	076SB-0053M-0001-SO	60	62	58	56	61	65
240-17796-10	076SS-0007M-0001-SO	68	72	68	64	74	71
240-17796-11	076SB-0054M-0001-SO	66	64	62	60	60	71
240-17796-12	076SB-0055M-0001-SO	72	73	72	68	70	72
240-17796-13	076SB-0056M-0001-SO	66	69	66	65	77	72
240-17796-14	076SB-0057M-0001-SO	57	60	56	54	63	63
240-17796-15	076SB-0058M-0001-SO	66	67	65	63	67	69
240-17796-16	076SB-0059M-0001-SO	60	81	75	73	58	77
240-17796-22	076SB-0060M-0001-SO	71	70	70	67	75	75
240-17796-23	076SB-0061M-0001-SO	64	68	63	61	57	69

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: 240-17796-1

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
240-17796-24	076SB-0062M-0001-SO	66	69	71	64	73	73
240-17796-25	076SB-0063M-0001-SO	67	76	73	69	74	76
240-17796-26	076SB-0064M-0001-SO	77	75	70	70	61	79
240-17796-27	076SB-0065M-0001-SO	70	70	62	64	68	72
240-17796-28	076SB-0066M-0001-SO	67	68	59	68	55	73
240-17796-29	076SB-0044M-0001-SO	59	71	66	66	44	75
240-17796-30	076SB-0045M-0001-SO	65	63	62	64	55	74
240-17796-31	076SB-0046M-0001-SO	63	71	65	65	51	75
240-17796-32	076SB-0047M-0001-SO	66	67	58	63	59	69
240-17796-33 RE	076SB-0048M-0001-SO RE	46	59	58	57	53	70
240-17796-33	076SB-0048M-0001-SO	71	80	76	68	28Q	77
240-17796-34	076SB-0049M-0001-SO	74	67	63	64	54	74
240-17796-35	076SB-0050M-0001-SO	72	69	65	62	73	75
240-17796-36	076SB-0051M-0001-SO	76	77	75	73	63	86
MB 240-66393/23-A		73	73	76	69	67	82
MB 240-66569/21-A		76	75	75	74	71	89
MB 240-66734/4-A		77	79	73	67	57	83
MB 240-67600/22-A		61	66	65	63	52	90
LCS 240-66393/24-A		73	71	72	66	75	74
LCS 240-66569/22-A		69	70	68	67	83	82
LCS 240-66734/5-A		75	78	70	65	74	77

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: 240-17796-1

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
LCS 240-67600/23-A		70	72	74	71	73	93
240-17796-25 MS	076SB-0063M-0001-SO MS	75	79	74	67	79	76
240-17796-25 MSD	076SB-0063M-0001-SO MSD	73	76	70	66	76	76

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: 240-17796-1

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
MRL 240-67761/3		99	102Q	106Q	104	113	102
MRL 240-67761/7		99	100	106Q	102	114	102

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: 240-17796-1

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
240-17796-20	076-0067-0001-ER	63	65	68	61	73	79
MB 240-65893/5-A		56	60	60	53	62	66
LCS 240-65893/6-A		68	71	76	64	78	72

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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 240-67225/3		106Q	106Q	112Q	101	104	100
MRL 240-67225/25		100	105Q	111Q	102	114	104
MRL 240-67368/3		100	106Q	99	97	106	92
MRL 240-67368/15		102	105Q	100	92	100	96
MRL 240-67390/3		106Q	103Q	106Q	101	111	103
MRL 240-67390/26		103	104Q	110Q	103	110	102
MRL 240-67544/3		98	100	103Q	103	111	100
MRL 240-67544/25		97	98	108Q	105	113	109
MRL 240-68148/4		89	90	117Q	114Q	95	103
MRL 240-68148/15		89	91	117Q	112Q	102	108

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: 240-17796-1

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 240-66717/3		102	103	109	102	111	104
MRL 240-66717/26		100	101	112Q	102	114	104

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)	70-130
TBP = 2,4,6-Tribromophenol (Surr)	50-150
TPH = Terphenyl-d14 (Surr)	50-150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
240-17796-20	076-0067-0001-ER	74
MB 240-66387/45		79
LCS 240-66387/46		87
240-17796-20 MS	076-0067-0001-ER MS	86
240-17796-20 MSD	076-0067-0001-ER MSD	84

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	10-150

Client: Environmental Chemical Corp.

Job Number: 240-17796-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
MRL 240-66387/30		77
MRL 240-66387/61		74

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	70-130

Client: Environmental Chemical Corp.

Job Number: 240-17796-1

Surrogate Recovery Report

8081/DOD Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-17796-20	076-0067-0001-ER	83	77	76	71
MB 240-65900/9-A		85	73	93	86
LCS 240-65900/10-A		84	76	43	42

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-17796-9	076SB-0053M-0001-SO	71	69	75	72
240-17796-10	076SS-0007M-0001-SO	78	72	157Q	84M
240-17796-11	076SB-0054M-0001-SO	79	74	82	73
240-17796-12	076SB-0055M-0001-SO	82	75	85	76
240-17796-13	076SB-0056M-0001-SO	84	77	86	76
240-17796-14	076SB-0057M-0001-SO	64	62	64	58Q
240-17796-15	076SB-0058M-0001-SO	77	73	84	76
240-17796-16	076SB-0059M-0001-SO	90	80	98	85
MB 240-66777/20-A		88	83	93	90
LCS 240-66777/21-A		75	75	79	75
240-17796-16 MS	076SB-0059M-0001-SO MS	88	85	105	92
240-17796-16 MSD	076SB-0059M-0001-SO MSD	87	81	99	87

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-17796-17	076SW-0013-0001-SW	82	75	52	51
240-17796-18	076SW-0014-0001-SW	74	67	52	50
240-17796-19	076SW-0015-0001-SW	77	67	47	46
240-17796-20	076-0067-0001-ER	81	73	72	69
MB 240-65899/8-A		79	73	71	61
MB 240-66426/4-A		84	75	69	67
LCS 240-65899/9-A		68	65	79	71
LCS 240-66426/5-A		85	73	79	77
240-17796-17 MS	076SW-0013-0001-SW MS	79	73	45	44
240-17796-17 MSD	076SW-0013-0001-SW MSD	79	70	48	49

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate Recovery Report

8082/DOD Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
MRL 240-66171/10		109	116	117	114
MRL 240-66171/21		116	118	115	128
MRL 240-66802/4		105	112	107	100
MRL 240-66802/11		111	116	107	107
MRL 240-67173/10		115	114	108	115
MRL 240-67173/32		107	115	112	114

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate Recovery Report

8151/DOD Herbicides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
240-17796-20	076-0067-0001-ER	77	83
MB 240-65729/4-A		77	83
LCS 240-65729/5-A		87	90
MRL 240-67147/14		119Q	121Q
MRL 240-67147/33		126Q	124Q

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	32-112

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate Recovery Report

8330B_Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DNT1 %Rec
240-17796-2	076SS-0022M-0001-SO	94
240-17796-9	076SB-0053M-0001-SO	96
240-17796-10	076SS-0007M-0001-SO	94
240-17796-11	076SB-0054M-0001-SO	97
240-17796-12	076SB-0055M-0001-SO	97
240-17796-13	076SB-0056M-0001-SO	97
240-17796-14	076SB-0057M-0001-SO	97
240-17796-15	076SB-0058M-0001-SO	98
240-17796-16	076SB-0059M-0001-SO	97
240-17796-29	076SB-0044M-0001-SO	93
240-17796-30	076SB-0045M-0001-SO	98
240-17796-31	076SB-0046M-0001-SO	99
240-17796-32	076SB-0047M-0001-SO	96
240-17796-33	076SB-0048M-0001-SO	97
240-17796-34	076SB-0049M-0001-SO	97
240-17796-35	076SB-0050M-0001-SO	97
240-17796-36	076SB-0051M-0001-SO	97
MB 320-6559/1-A		99
LCS 320-6559/2-A		98

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate Recovery Report

8330B Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DNT1 %Rec
240-17796-2 MS	076SS-0022M-0001-SO MS	98
240-17796-2 MSD	076SS-0022M-0001-SO MSD	94

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate Recovery Report

8330B_Nitroaromatics and Nitramines (HPLC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DNT1 %Rec
240-17796-17	076SW-0013-0001-SW	95M
240-17796-18	076SW-0014-0001-SW	93M
240-17796-19	076SW-0015-0001-SW	94
240-17796-20	076-0067-0001-ER	96
MB 320-6172/1-A		97
LCS 320-6172/2-A		98
240-17796-17 MS	076SW-0013-0001-SW MS	95M
240-17796-17 MSD	076SW-0013-0001-SW MSD	97M

Surrogate	Acceptance Limits
DNT = 3,4-Dinitrotoluene	79-111

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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: 240-17796-1

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: 240-17796-1

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: 240-17796-1

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: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65929

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	240-17796-20	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1144.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1646			Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1646				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17796-20	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1145.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1708			Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1708				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	100	105	65 - 130	5	30		
1,1,2,2-Tetrachloroethane	93	100	65 - 130	8	30		
1,1,2-Trichloroethane	97	98	75 - 125	1	30		
1,1-Dichloroethane	102	105	70 - 135	3	30		
1,1-Dichloroethene	111	110	70 - 130	1	30		
1,2-Dichloroethane	102	104	70 - 130	2	30		
1,2-Dichloropropane	99	99	75 - 125	1	30		
2-Butanone (MEK)	85	91	30 - 150	7	30		
2-Hexanone	93	104	55 - 130	11	30		
4-Methyl-2-pentanone (MIBK)	90	97	60 - 135	7	30		
Acetone	86	101	40 - 140	17	30		
Benzene	96	101	80 - 120	5	30		
Bromoform	82	85	70 - 130	4	30		
Bromomethane	77	83	30 - 145	7	30		
Carbon disulfide	111	110	35 - 160	0	30		
Carbon tetrachloride	105	107	65 - 140	2	30		
Chlorobenzene	90	94	80 - 120	5	30		
Bromodichloromethane	94	97	75 - 120	3	30		
Chloromethane	92	95	40 - 125	3	30		
cis-1,3-Dichloropropene	81	82	70 - 130	2	30		
Dibromochloromethane	92	94	60 - 135	2	30		
Ethylbenzene	94	101	75 - 125	7	30		
Methyl tert-butyl ether	88	93	65 - 125	5	50		
Methylene Chloride	88	96	55 - 140	8	30		
Styrene	94	97	65 - 135	3	30		
Tetrachloroethene	95	100	45 - 150	5	30		
Toluene	99	101	75 - 120	2	30		
Chloroform	95	96	65 - 135	1	30		
Bromochloromethane	91	94	65 - 130	3	30		
trans-1,3-Dichloropropene	91	96	55 - 140	6	30		
Trichloroethene	92	94	70 - 125	2	30		
Vinyl chloride	105	106	50 - 145	0	30		
Chloroethane	76	84	60 - 135	10	30		

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65929

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	240-17796-20	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1144.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1646			Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1646				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17796-20	Analysis Batch:	240-65929	Instrument ID:	A3UX10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXX1145.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/21/2012 1708			Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 1708				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Xylenes, Total	95	101	75 - 130	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	108	70 - 120
Toluene-d8 (Surr)	101	103	85 - 120
4-Bromofluorobenzene (Surr)	94	96	75 - 120
Dibromofluoromethane (Surr)	96	96	85 - 115

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-65929

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	240-17796-20	Units:	ug/L	MSD Lab Sample ID:	240-17796-20
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/21/2012 1646			Analysis Date:	11/21/2012 1708
Prep Date:	11/21/2012 1646			Prep Date:	11/21/2012 1708
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.25	U	10.0	10.0	9.97	10.5
1,1,2,2-Tetrachloroethane	0.25	U	10.0	10.0	9.27	10.0
1,1,2-Trichloroethane	0.50	U	10.0	10.0	9.73	9.84
1,1-Dichloroethane	0.25	U	10.0	10.0	10.2	10.5
1,1-Dichloroethene	0.25	U	10.0	10.0	11.1	11.0
1,2-Dichloroethane	0.25	U	10.0	10.0	10.2	10.4
1,2-Dichloropropane	0.25	U	10.0	10.0	9.88	9.95
2-Butanone (MEK)	0.57	U	20.0	20.0	17.0	18.2
2-Hexanone	0.50	U	20.0	20.0	18.7	20.7
4-Methyl-2-pentanone (MIBK)	0.50	U	20.0	20.0	18.1	19.3
Acetone	1.1	U	20.0	20.0	17.1	20.3
Benzene	0.25	U	10.0	10.0	9.62	10.1
Bromoform	0.64	U	10.0	10.0	8.20	8.51
Bromomethane	0.50	U	10.0	10.0	7.71	8.31
Carbon disulfide	0.25	U	10.0	10.0	11.1	11.0
Carbon tetrachloride	0.25	U	10.0	10.0	10.5	10.7
Chlorobenzene	0.25	U	10.0	10.0	8.97	9.44
Bromodichloromethane	0.25	U	10.0	10.0	9.41	9.68
Chloromethane	0.50	U	10.0	10.0	9.22	9.50
cis-1,3-Dichloropropene	0.25	U	10.0	10.0	8.07	8.21
Dibromochloromethane	0.25	U	10.0	10.0	9.23	9.43
Ethylbenzene	0.25	U	10.0	10.0	9.40	10.1
Methyl tert-butyl ether	0.25	U	10.0	10.0	8.82	9.31
Methylene Chloride	0.36	J	10.0	10.0	9.18	9.96
Styrene	0.25	U	10.0	10.0	9.44	9.71
Tetrachloroethene	0.50	U	10.0	10.0	9.48	9.96
Toluene	0.25	U	10.0	10.0	9.85	10.1
Chloroform	0.61	J	10.0	10.0	10.1	10.2
Bromochloromethane	0.50	U	10.0	10.0	9.08	9.39
trans-1,3-Dichloropropene	0.25	U	10.0	10.0	9.07	9.59
Trichloroethene	0.25	U	10.0	10.0	9.18	9.40
Vinyl chloride	0.25	U	10.0	10.0	10.5	10.6
Chloroethane	0.50	U	10.0	10.0	7.58	8.38
Xylenes, Total	0.75	U	30.0	30.0	28.6	30.3

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66239

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MB 240-66239/8	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149441.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2012 1415	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	0.785	J	0.63	20
4-Methyl-2-pentanone (MIBK)	1.0	U	0.54	20
Acetone	11.2	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	0.50	U	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)	91	61 - 130
Toluene-d8 (Surr)	89	85 - 115
4-Bromofluorobenzene (Surr)	85	85 - 120
Dibromofluoromethane (Surr)	82	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66239

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-66239/5	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149438.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2012 1311	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	0.00444	89	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00490	98	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00488	98	70 - 130	
1,1-Dichloroethane	0.00500	0.00480	96	70 - 130	
1,1-Dichloroethene	0.00500	0.00478	96	70 - 130	
1,2-Dichloroethane	0.00500	0.00498	100	70 - 130	
1,2-Dichloropropane	0.00500	0.00503	101	70 - 130	
2-Butanone (MEK)	0.0100	0.0113	113	70 - 130	
2-Hexanone	0.0100	0.0108	108	70 - 130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00995	100	70 - 130	J
Acetone	0.0100	0.0220	220	70 - 130	^
Benzene	0.00500	0.00493	99	70 - 130	
Bromoform	0.00500	0.00660	132	70 - 130	^
Bromomethane	0.00500	0.00506	101	70 - 130	
Carbon disulfide	0.00500	0.00569	114	70 - 130	
Carbon tetrachloride	0.00500	0.00576	115	70 - 130	
Chlorobenzene	0.00500	0.00496	99	70 - 130	
Bromodichloromethane	0.00500	0.00597	119	70 - 130	
Chloromethane	0.00500	0.00484	97	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00604	121	70 - 130	
Dibromochloromethane	0.00500	0.00624	125	70 - 130	
Ethylbenzene	0.00500	0.00498	100	70 - 130	
Methyl tert-butyl ether	0.00500	0.00493	99	70 - 130	
Methylene Chloride	0.00500	0.00481	96	70 - 130	
Styrene	0.00500	0.00470	94	70 - 130	
Tetrachloroethene	0.00500	0.00530	106	70 - 130	
Toluene	0.00500	0.00505	101	70 - 130	
Chloroform	0.00500	0.00481	96	70 - 130	
Bromochloromethane	0.00500	0.00476	95	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00608	122	70 - 130	
Trichloroethene	0.00500	0.00516	103	70 - 130	
Vinyl chloride	0.00500	0.00498	100	70 - 130	
Xylenes, Total	0.0150	0.0152	101	70 - 130	
Chloroethane	0.00500	0.00467	93	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	50 - 150
Toluene-d8 (Surr)	91	50 - 150
4-Bromofluorobenzene (Surr)	89	50 - 150
Dibromofluoromethane (Surr)	86	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-66239

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	LCS 240-66239/7	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149440.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2012 1354	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	51.0	102	70 - 135	
1,1,2,2-Tetrachloroethane	50.0	52.3	105	55 - 130	
1,1,2-Trichloroethane	50.0	52.0	104	60 - 125	
1,1-Dichloroethane	50.0	53.7	107	75 - 125	
1,1-Dichloroethene	50.0	52.4	105	65 - 135	
1,2-Dichloroethane	50.0	50.8	102	70 - 135	
1,2-Dichloropropane	50.0	53.0	106	70 - 120	
2-Butanone (MEK)	100	101	101	30 - 160	
2-Hexanone	100	105	105	45 - 145	
4-Methyl-2-pentanone (MIBK)	100	107	107	45 - 145	
Acetone	100	125	125	20 - 160	
Benzene	50.0	51.1	102	75 - 125	
Bromoform	50.0	45.8	92	55 - 135	
Bromomethane	50.0	37.3	75	30 - 160	
Carbon disulfide	50.0	42.1	84	45 - 160	
Carbon tetrachloride	50.0	47.9	96	65 - 135	
Chlorobenzene	50.0	48.8	98	75 - 125	
Bromodichloromethane	50.0	47.6	95	70 - 130	
Chloromethane	50.0	43.8	88	50 - 130	
cis-1,3-Dichloropropene	50.0	45.2	90	70 - 125	
Dibromochloromethane	50.0	44.3	89	65 - 130	
Ethylbenzene	50.0	51.4	103	75 - 125	
Methyl tert-butyl ether	50.0	51.3	103	70 - 130	
Methylene Chloride	50.0	51.0	102	55 - 140	
Styrene	50.0	52.8	106	75 - 125	
Tetrachloroethene	50.0	51.0	102	65 - 140	
Toluene	50.0	50.5	101	70 - 125	
Chloroform	50.0	50.4	101	70 - 125	
Bromochloromethane	50.0	50.7	101	70 - 125	
trans-1,3-Dichloropropene	50.0	46.0	92	65 - 125	
Trichloroethene	50.0	53.1	106	75 - 125	
Vinyl chloride	50.0	43.6	87	60 - 125	
Xylenes, Total	150	152	101	75 - 125	
Chloroethane	50.0	45.8	92	40 - 155	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	61 - 130
Toluene-d8 (Surr)	93	85 - 115
4-Bromofluorobenzene (Surr)	90	85 - 120
Dibromofluoromethane (Surr)	91	59 - 138

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66239

Method: 8260B/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-66239/31	Analysis Batch:	240-66239	Instrument ID:	A3UX14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	149464.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	11/26/2012 2231	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	0.00449	90	70 - 130	
1,1,2,2-Tetrachloroethane	0.00500	0.00514	103	70 - 130	
1,1,2-Trichloroethane	0.00500	0.00543	109	70 - 130	
1,1-Dichloroethane	0.00500	0.00504	101	70 - 130	
1,1-Dichloroethene	0.00500	0.00487	97	70 - 130	
1,2-Dichloroethane	0.00500	0.00525	105	70 - 130	
1,2-Dichloropropane	0.00500	0.00517	103	70 - 130	
2-Butanone (MEK)	0.0100	0.0113	113	70 - 130	
2-Hexanone	0.0100	0.00898	90	70 - 130	J
4-Methyl-2-pentanone (MIBK)	0.0100	0.00946	95	70 - 130	J
Acetone	0.0100	0.0323	323	70 - 130	^
Benzene	0.00500	0.00538	108	70 - 130	
Bromoform	0.00500	0.00644	129	70 - 130	
Bromomethane	0.00500	0.00523	105	70 - 130	
Carbon disulfide	0.00500	0.00541	108	70 - 130	
Carbon tetrachloride	0.00500	0.00553	111	70 - 130	
Chlorobenzene	0.00500	0.00524	105	70 - 130	
Bromodichloromethane	0.00500	0.00596	119	70 - 130	
Chloromethane	0.00500	0.00462	92	70 - 130	
cis-1,3-Dichloropropene	0.00500	0.00591	118	70 - 130	
Dibromochloromethane	0.00500	0.00634	127	70 - 130	
Ethylbenzene	0.00500	0.00538	108	70 - 130	
Methyl tert-butyl ether	0.00500	0.00499	100	70 - 130	
Methylene Chloride	0.00500	0.00800	160	70 - 130	^
Styrene	0.00500	0.00477	95	70 - 130	
Tetrachloroethene	0.00500	0.00534	107	70 - 130	
Toluene	0.00500	0.00551	110	70 - 130	
Chloroform	0.00500	0.00490	98	70 - 130	
Bromochloromethane	0.00500	0.00502	100	70 - 130	
trans-1,3-Dichloropropene	0.00500	0.00587	117	70 - 130	
Trichloroethene	0.00500	0.00532	106	70 - 130	
Vinyl chloride	0.00500	0.00468	94	70 - 130	
Xylenes, Total	0.0150	0.0157	105	70 - 130	
Chloroethane	0.00500	0.00487	97	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	50 - 150
Toluene-d8 (Surr)	94	50 - 150
4-Bromofluorobenzene (Surr)	88	50 - 150
Dibromofluoromethane (Surr)	85	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-65893

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	MB 240-65893/5-A	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-65893	Lab File ID:	21129004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/29/2012 1013	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 0942			Injection Volume:	1 uL
Leach Date:	N/A				

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

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-65893

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	MB 240-65893/5-A	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-65893	Lab File ID:	21129004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/29/2012 1013	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 0942			Injection Volume:	1 uL
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	53	50 - 110
2-Fluorophenol (Surr)	56	20 - 110
Nitrobenzene-d5 (Surr)	60	40 - 110
Phenol-d5 (Surr)	60	10 - 115
Terphenyl-d14 (Surr)	66	50 - 135
2,4,6-Tribromophenol (Surr)	62	40 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-65893

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-65893/6-A	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-65893	Lab File ID:	21129005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/29/2012 1037	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 0942			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	20.0	13.4	67	45 - 110	
Acenaphthylene	20.0	13.7	68	50 - 105	
Anthracene	20.0	13.8	69	55 - 110	
Benzo[a]anthracene	20.0	13.9	70	55 - 110	
Benzo[a]pyrene	20.0	11.5	57	55 - 110	
Benzo[b]fluoranthene	20.0	14.0	70	45 - 120	
Benzo[g,h,i]perylene	20.0	14.5	73	40 - 125	
Benzoic acid	20.0	10	38	0 - 125	U
Benzo[k]fluoranthene	20.0	13.0	65	45 - 125	
Benzyl alcohol	20.0	14.3	72	30 - 110	
Bis(2-chloroethoxy)methane	20.0	14.0	70	45 - 105	
Bis(2-chloroethyl)ether	20.0	13.6	68	35 - 110	
bis (2-chloroisopropyl) ether	20.0	13.9	70	25 - 130	
Bis(2-ethylhexyl) phthalate	20.0	12.4	62	40 - 125	
4-Bromophenyl phenyl ether	20.0	14.4	72	50 - 115	
Butyl benzyl phthalate	20.0	14.1	70	45 - 115	
Carbazole	20.0	14.4	72	50 - 115	
4-Chloroaniline	20.0	13.1	65	15 - 110	
4-Chloro-3-methylphenol	20.0	15.3	76	45 - 110	
2-Chloronaphthalene	20.0	12.7	63	50 - 105	
2-Chlorophenol	20.0	13.8	69	35 - 105	
4-Chlorophenyl phenyl ether	20.0	13.7	68	50 - 110	
Chrysene	20.0	14.6	73	55 - 110	
Dibenz(a,h)anthracene	20.0	12.9	65	40 - 125	
Dibenzofuran	20.0	13.2	66	55 - 105	
1,2-Dichlorobenzene	20.0	11.0	55	35 - 100	
1,3-Dichlorobenzene	20.0	10.8	54	30 - 100	
1,4-Dichlorobenzene	20.0	11.0	55	30 - 100	
3,3'-Dichlorobenzidine	20.0	8.46	42	20 - 110	
2,4-Dichlorophenol	20.0	15.0	75	50 - 105	
Diethyl phthalate	20.0	14.7	73	40 - 120	
2,4-Dimethylphenol	20.0	11.3	57	30 - 110	
Dimethyl phthalate	20.0	14.4	72	25 - 125	
Di-n-butyl phthalate	20.0	15.2	76	55 - 115	
4,6-Dinitro-2-methylphenol	20.0	14.9	75	40 - 130	
2,4-Dinitrophenol	20.0	14.4	72	15 - 140	
2,4-Dinitrotoluene	20.0	15.4	77	50 - 120	
2,6-Dinitrotoluene	20.0	15.0	75	50 - 115	
Di-n-octyl phthalate	20.0	11.6	58	35 - 135	
Fluoranthene	20.0	14.7	74	55 - 115	
Fluorene	20.0	13.0	65	50 - 110	
Hexachlorobenzene	20.0	13.8	69	50 - 110	
Hexachlorobutadiene	20.0	11.6	58	25 - 105	
Hexachloroethane	20.0	11.3	57	30 - 95	
Indeno[1,2,3-cd]pyrene	20.0	13.3	66	45 - 125	
Isophorone	20.0	15.5	78	50 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-65893

Method: 8270C/DoD
Preparation: 3520C

Lab Sample ID:	LCS 240-65893/6-A	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-65893	Lab File ID:	21129005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/29/2012 1037	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/21/2012 0942			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	20.0	12.8	64	45 - 105	
2-Methylphenol	20.0	13.5	67	40 - 110	
3 & 4 Methylphenol	40.0	27.1	68	30 - 110	
Naphthalene	20.0	12.7	64	40 - 100	
2-Nitroaniline	20.0	15.8	79	50 - 115	
3-Nitroaniline	20.0	14.8	74	20 - 125	
4-Nitroaniline	20.0	14.4	72	35 - 120	
Nitrobenzene	20.0	14.6	73	45 - 110	
2-Nitrophenol	20.0	15.5	77	40 - 115	
4-Nitrophenol	20.0	14.7	74	0 - 125	
N-Nitrosodi-n-propylamine	20.0	14.6	73	35 - 130	
N-Nitrosodiphenylamine	20.0	13.5	68	50 - 110	
Pentachlorophenol	20.0	13.5	68	40 - 115	
Phenanthrene	20.0	13.5	67	50 - 115	
Phenol	20.0	14.3	72	0 - 115	
Pyrene	20.0	13.6	68	50 - 130	
1,2,4-Trichlorobenzene	20.0	11.4	57	35 - 105	
2,4,5-Trichlorophenol	20.0	14.2	71	50 - 110	
2,4,6-Trichlorophenol	20.0	14.7	74	50 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	64	50 - 110
2-Fluorophenol (Surr)	68	20 - 110
Nitrobenzene-d5 (Surr)	76	40 - 110
Phenol-d5 (Surr)	71	10 - 115
Terphenyl-d14 (Surr)	72	50 - 135
2,4,6-Tribromophenol (Surr)	78	40 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66393

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-66393/23-A	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66393	Lab File ID:	21204004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/04/2012 1008	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			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	20.0	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: 240-17796-1

Method Blank - Batch: 240-66393

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-66393/23-A	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66393	Lab File ID:	21204004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/04/2012 1008	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			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)	69	45 - 105
2-Fluorophenol (Surr)	73	35 - 105
Nitrobenzene-d5 (Surr)	76	35 - 100
Phenol-d5 (Surr)	73	40 - 100
Terphenyl-d14 (Surr)	82	30 - 125
2,4,6-Tribromophenol (Surr)	67	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-66393

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-66393/24-A	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66393	Lab File ID:	21204005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/04/2012 1032	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	473	71	45 - 110	
Acenaphthylene	667	468	70	45 - 105	
Anthracene	667	478	72	55 - 105	
Benzo[a]anthracene	667	487	73	50 - 110	
Benzo[a]pyrene	667	404	61	50 - 110	
Benzo[b]fluoranthene	667	458	69	45 - 115	
Benzo[g,h,i]perylene	667	493	74	40 - 125	
Benzoic acid	667	330	37	0 - 110	U
Benzo[k]fluoranthene	667	484	73	45 - 125	
Benzyl alcohol	667	435	65	20 - 125	
Bis(2-chloroethoxy)methane	667	458	69	45 - 110	
Bis(2-chloroethyl)ether	667	470	70	40 - 105	
bis (2-chloroisopropyl) ether	667	472	71	20 - 115	
Bis(2-ethylhexyl) phthalate	667	481	72	45 - 125	
4-Bromophenyl phenyl ether	667	505	76	45 - 115	
Butyl benzyl phthalate	667	461	69	50 - 125	
Carbazole	667	473	71	45 - 115	
4-Chloroaniline	667	351	53	10 - 110	
4-Chloro-3-methylphenol	667	502	75	45 - 115	
2-Chloronaphthalene	667	461	69	45 - 105	
2-Chlorophenol	667	467	70	45 - 105	
4-Chlorophenyl phenyl ether	667	500	75	45 - 110	
Chrysene	667	506	76	55 - 110	
Dibenz(a,h)anthracene	667	449	67	40 - 125	
Dibenzofuran	667	471	71	50 - 105	
1,2-Dichlorobenzene	667	443	66	45 - 110	
1,3-Dichlorobenzene	667	434	65	40 - 100	
1,4-Dichlorobenzene	667	432	65	35 - 105	
3,3'-Dichlorobenzidine	667	253	38	10 - 130	
2,4-Dichlorophenol	667	488	73	45 - 110	
Diethyl phthalate	667	520	78	50 - 115	
2,4-Dimethylphenol	667	348	52	30 - 105	
Dimethyl phthalate	667	511	77	50 - 110	
Di-n-butyl phthalate	667	509	76	55 - 110	
4,6-Dinitro-2-methylphenol	667	452	68	30 - 135	
2,4-Dinitrophenol	667	425	64	15 - 130	
2,4-Dinitrotoluene	667	528	79	50 - 115	
2,6-Dinitrotoluene	667	536	80	50 - 110	
Di-n-octyl phthalate	667	418	63	40 - 130	
Fluoranthene	667	493	74	55 - 115	
Fluorene	667	489	73	50 - 110	
Hexachlorobenzene	667	499	75	45 - 120	
Hexachlorobutadiene	667	446	67	40 - 115	
Hexachloroethane	667	458	69	35 - 110	
Indeno[1,2,3-cd]pyrene	667	454	68	40 - 120	
Isophorone	667	488	73	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-66393

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-66393/24-A	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66393	Lab File ID:	21204005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/04/2012 1032	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	465	70	45 - 105	
2-Methylphenol	667	448	67	40 - 105	
3 & 4 Methylphenol	1330	930	70	40 - 105	
Naphthalene	667	466	70	40 - 105	
2-Nitroaniline	667	520	78	45 - 120	
3-Nitroaniline	667	486	73	25 - 110	
4-Nitroaniline	667	461	69	35 - 115	
Nitrobenzene	667	479	72	40 - 115	
2-Nitrophenol	667	484	73	40 - 110	
4-Nitrophenol	667	502	75	15 - 140	
N-Nitrosodi-n-propylamine	667	491	74	40 - 115	
N-Nitrosodiphenylamine	667	463	70	50 - 115	
Pentachlorophenol	667	407	61	25 - 120	
Phenanthrene	667	470	70	50 - 110	
Phenol	667	491	74	40 - 100	
Pyrene	667	459	69	45 - 125	
1,2,4-Trichlorobenzene	667	442	66	45 - 110	
2,4,5-Trichlorophenol	667	513	77	50 - 110	
2,4,6-Trichlorophenol	667	496	74	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	66	45 - 105
2-Fluorophenol (Surr)	73	35 - 105
Nitrobenzene-d5 (Surr)	72	35 - 100
Phenol-d5 (Surr)	71	40 - 100
Terphenyl-d14 (Surr)	74	30 - 125
2,4,6-Tribromophenol (Surr)	75	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66393

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17796-25	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66393	Lab File ID:	21204009.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.62 g
Analysis Date:	12/04/2012 1207			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

MSD Lab Sample ID:	240-17796-25	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66393	Lab File ID:	21204010.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.07 g
Analysis Date:	12/04/2012 1230			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	71	70	45 - 110	2	30		
Acenaphthylene	72	72	45 - 105	2	30		
Anthracene	74	71	55 - 105	5	30		
Benzo[a]anthracene	74	75	50 - 110	1	30		
Benzo[a]pyrene	63	62	50 - 110	4	30		
Benzo[b]fluoranthene	71	69	45 - 115	4	30		
Benzo[g,h,i]perylene	77	74	40 - 125	6	30		
Benzoic acid	0	0	0 - 110	NC	30	U	U
Benzo[k]fluoranthene	71	67	45 - 125	8	30		
Benzyl alcohol	73	71	20 - 125	5	30		
Bis(2-chloroethoxy)methane	73	73	45 - 110	1	30		
Bis(2-chloroethyl)ether	74	69	40 - 105	8	30		
bis (2-chloroisopropyl) ether	74	70	20 - 115	7	30		
Bis(2-ethylhexyl) phthalate	75	72	45 - 125	5	30		
4-Bromophenyl phenyl ether	77	74	45 - 115	5	30		
Butyl benzyl phthalate	74	75	50 - 125	1	30		
Carbazole	70	68	45 - 115	3	30		
4-Chloroaniline	22	21	10 - 95	5	30		J
4-Chloro-3-methylphenol	78	78	45 - 115	2	30		
2-Chloronaphthalene	71	71	45 - 105	1	30		
2-Chlorophenol	76	72	45 - 105	7	30		
4-Chlorophenyl phenyl ether	73	75	45 - 110	1	30		
Chrysene	76	76	55 - 110	2	30		
Dibenz(a,h)anthracene	70	67	40 - 125	6	30		
Dibenzofuran	70	72	50 - 105	1	30		
1,2-Dichlorobenzene	67	63	45 - 95	7	30		
1,3-Dichlorobenzene	64	59	40 - 100	10	30		
1,4-Dichlorobenzene	68	62	35 - 105	10	30		
3,3'-Dichlorobenzidine	26	29	10 - 130	9	30		
2,4-Dichlorophenol	77	77	45 - 110	2	30		
Diethyl phthalate	74	74	50 - 115	2	30		
2,4-Dimethylphenol	72	71	30 - 105	3	30		
Dimethyl phthalate	75	74	50 - 110	2	30		

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66393

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17796-25	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66393	Lab File ID:	21204009.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.62 g
Analysis Date:	12/04/2012 1207			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

MSD Lab Sample ID:	240-17796-25	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-66393	Lab File ID:	21204010.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.07 g
Analysis Date:	12/04/2012 1230			Final Weight/Volume:	2 mL
Prep Date:	11/27/2012 0903			Injection Volume:	1 uL
Leach Date:	11/21/2012 1000				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Di-n-butyl phthalate	78	76	55 - 110	4	30		
4,6-Dinitro-2-methylphenol	35	24	30 - 135	39	30		J
2,4-Dinitrophenol	29	26	15 - 130	11	30	J	J
2,4-Dinitrotoluene	73	72	50 - 115	3	30		
2,6-Dinitrotoluene	76	76	50 - 110	1	30		
Di-n-octyl phthalate	73	71	40 - 130	5	30		
Fluoranthene	75	75	55 - 115	1	30		
Fluorene	73	72	50 - 110	3	30		
Hexachlorobenzene	76	74	45 - 120	4	30		
Hexachlorobutadiene	71	67	40 - 115	8	30		
Hexachloroethane	65	60	35 - 110	8	30		
Indeno[1,2,3-cd]pyrene	71	68	40 - 120	6	30		
Isophorone	80	78	45 - 110	3	30		
2-Methylnaphthalene	74	74	45 - 105	2	30		
2-Methylphenol	75	74	40 - 105	3	30		
3 & 4 Methylphenol	79	76	40 - 105	6	30		
Naphthalene	73	71	40 - 105	4	30		
2-Nitroaniline	77	78	45 - 120	0	30		
3-Nitroaniline	45	45	25 - 110	0	30		
4-Nitroaniline	48	54	35 - 115	9	30		
Nitrobenzene	76	73	40 - 115	6	30		
2-Nitrophenol	76	73	40 - 110	6	30		
4-Nitrophenol	72	67	15 - 140	9	30		
N-Nitrosodi-n-propylamine	80	75	40 - 115	8	30		
N-Nitrosodiphenylamine	74	73	50 - 115	4	30		
Pentachlorophenol	53	46	25 - 120	16	30		
Phenanthrene	70	70	50 - 110	2	30		
Phenol	78	77	40 - 100	2	30		
Pyrene	70	70	45 - 125	1	30		
1,2,4-Trichlorobenzene	67	65	45 - 110	4	30		
2,4,5-Trichlorophenol	77	78	50 - 110	0	30		
2,4,6-Trichlorophenol	77	78	45 - 110	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	67	66	45 - 105
2-Fluorophenol (Surr)	75	73	35 - 105
Nitrobenzene-d5 (Surr)	74	70	35 - 100
Phenol-d5 (Surr)	79	76	40 - 100
Terphenyl-d14 (Surr)	76	76	30 - 125
2,4,6-Tribromophenol (Surr)	79	76	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66393

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17796-25	Units:	ug/Kg	MSD Lab Sample ID:	240-17796-25
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/04/2012 1207			Analysis Date:	12/04/2012 1230
Prep Date:	11/27/2012 0903			Prep Date:	11/27/2012 0903
Leach Date:	11/21/2012 1000			Leach Date:	11/21/2012 1000

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	3.3	U	675	665	479		469	
Acenaphthylene	3.3	U	675	665	487		479	
Anthracene	3.3	U	675	665	498		472	
Benzo[a]anthracene	3.3	U	675	665	500		497	
Benzo[a]pyrene	3.3	U	675	665	428		411	
Benzo[b]fluoranthene	5.7	J	675	665	484		468	
Benzo[g,h,i]perylene	3.3	U	675	665	520		490	
Benzoic acid	330	U	675	665	340	U	330	U
Benzo[k]fluoranthene	3.3	U	675	665	480		445	
Benzyl alcohol	27	U	675	665	496		474	
Bis(2-chloroethoxy)methane	27	U	675	665	491		486	
Bis(2-chloroethyl)ether	3.3	U	675	665	497		460	
bis (2-chloroisopropyl) ether	27	U	675	665	497		463	
Bis(2-ethylhexyl) phthalate	25	J	675	665	528		500	
4-Bromophenyl phenyl ether	27	U	675	665	517		493	
Butyl benzyl phthalate	27	U	675	665	502		499	
Carbazole	27	U	675	665	470		455	
4-Chloroaniline	27	U	675	665	150		142	J
4-Chloro-3-methylphenol	27	U	675	665	528		519	
2-Chloronaphthalene	3.3	U	675	665	478		472	
2-Chlorophenol	27	U	675	665	515		478	
4-Chlorophenyl phenyl ether	27	U	675	665	495		499	
Chrysene	3.3	U	675	665	514		505	
Dibenz(a,h)anthracene	3.3	U	675	665	473		445	
Dibenzofuran	3.3	U	675	665	475		479	
1,2-Dichlorobenzene	27	U	675	665	451		421	
1,3-Dichlorobenzene	27	U	675	665	429		390	
1,4-Dichlorobenzene	27	U	675	665	457		416	
3,3'-Dichlorobenzidine	79	U	675	665	178		195	
2,4-Dichlorophenol	27	U	675	665	520		511	
Diethyl phthalate	27	U	675	665	501		491	
2,4-Dimethylphenol	79	U	675	665	483		470	
Dimethyl phthalate	27	U	675	665	503		492	
Di-n-butyl phthalate	27	U	675	665	530		507	
4,6-Dinitro-2-methylphenol	79	U	675	665	236		160	J
2,4-Dinitrophenol	79	U	675	665	193	J	174	J
2,4-Dinitrotoluene	27	U	675	665	492		480	
2,6-Dinitrotoluene	27	U	675	665	513		508	
Di-n-octyl phthalate	27	U	675	665	496		470	
Fluoranthene	7.6		675	665	513		506	
Fluorene	3.3	U	675	665	493		480	
Hexachlorobenzene	3.3	U	675	665	512		490	
Hexachlorobutadiene	27	U	675	665	482		447	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66393

Method: 8270C/DoD
Preparation: 3540C

MS Lab Sample ID:	240-17796-25	Units:	ug/Kg	MSD Lab Sample ID:	240-17796-25
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/04/2012 1207			Analysis Date:	12/04/2012 1230
Prep Date:	11/27/2012 0903			Prep Date:	11/27/2012 0903
Leach Date:	11/21/2012 1000			Leach Date:	11/21/2012 1000

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hexachloroethane	27	U	675	665	436	402
Indeno[1,2,3-cd]pyrene	3.3	U	675	665	481	454
Isophorone	27	U	675	665	538	520
2-Methylnaphthalene	25		675	665	526	515
2-Methylphenol	79	U	675	665	508	493
3 & 4 Methylphenol	79	U	1350	1330	1070	1010
Naphthalene	16		675	665	511	490
2-Nitroaniline	27	U	675	665	521	519
3-Nitroaniline	79	U	675	665	301	301
4-Nitroaniline	27	U	675	665	324	356
Nitrobenzene	3.3	U	675	665	516	483
2-Nitrophenol	27	U	675	665	514	486
4-Nitrophenol	79	U	675	665	485	445
N-Nitrosodi-n-propylamine	27	U	675	665	543	502
N-Nitrosodiphenylamine	27	U	675	665	501	483
Pentachlorophenol	79	U	675	665	360	307
Phenanthrene	7.4		675	665	483	471
Phenol	27	U	675	665	525	515
Pyrene	5.8	J	675	665	480	473
1,2,4-Trichlorobenzene	27	U	675	665	453	434
2,4,5-Trichlorophenol	27	U	675	665	519	519
2,4,6-Trichlorophenol	79	U	675	665	517	516

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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: 240-17796-1

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: 240-17796-1

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: 240-17796-1

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: 240-17796-1

Method Reporting Limit Check - Batch: 240-66717

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-66717/3	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21129003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 0950	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	5.04	101	70 - 130	
Acenaphthylene	5.00	5.04	101	70 - 130	
Anthracene	5.00	5.03	101	70 - 130	
Benzo[a]anthracene	5.00	5.08	102	70 - 130	
Benzo[a]pyrene	5.00	5.19	104	70 - 130	
Benzo[b]fluoranthene	5.00	5.61	112	70 - 130	
Benzo[g,h,i]perylene	5.00	5.52	110	70 - 130	
Benzoic acid	10.0	9.57	96	70 - 130	
Benzo[k]fluoranthene	5.00	5.15	103	70 - 130	
Benzyl alcohol	5.00	5.15	103	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.01	100	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70 - 130	
bis (2-chloroisopropyl) ether	5.00	5.24	105	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.17	103	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.20	104	70 - 130	
Butyl benzyl phthalate	5.00	5.34	107	70 - 130	
Carbazole	5.00	5.03	101	70 - 130	
4-Chloroaniline	5.00	5.09	102	70 - 130	
4-Chloro-3-methylphenol	5.00	5.21	104	70 - 130	
2-Chloronaphthalene	5.00	4.99	100	70 - 130	
2-Chlorophenol	5.00	5.21	104	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.17	103	70 - 130	
Chrysene	5.00	4.95	99	70 - 130	
Dibenz(a,h)anthracene	5.00	5.07	101	70 - 130	
Dibenzofuran	5.00	5.01	100	70 - 130	
1,2-Dichlorobenzene	5.00	5.13	103	70 - 130	
1,3-Dichlorobenzene	5.00	5.12	102	70 - 130	
1,4-Dichlorobenzene	5.00	5.03	101	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.27	105	70 - 130	
2,4-Dichlorophenol	5.00	5.27	105	70 - 130	
Diethyl phthalate	5.00	5.10	102	70 - 130	
2,4-Dimethylphenol	5.00	5.21	104	70 - 130	
Dimethyl phthalate	5.00	5.06	101	70 - 130	
Di-n-butyl phthalate	5.00	5.23	105	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	5.26	105	70 - 130	
2,4-Dinitrophenol	10.0	10.8	108	70 - 130	
2,4-Dinitrotoluene	5.00	5.32	106	70 - 130	
2,6-Dinitrotoluene	5.00	5.28	106	70 - 130	
Di-n-octyl phthalate	5.00	5.11	102	70 - 130	
Fluoranthene	5.00	5.17	103	70 - 130	
Fluorene	5.00	5.00	100	70 - 130	
Hexachlorobenzene	5.00	5.22	104	70 - 130	
Hexachlorobutadiene	5.00	5.28	106	70 - 130	
Hexachloroethane	5.00	5.07	101	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.20	104	70 - 130	
Isophorone	5.00	5.29	106	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66717 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-66717/3	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21129003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 0950	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
2-Methylnaphthalene	5.00	5.02	100	70 - 130	
2-Methylphenol	5.00	5.03	101	70 - 130	
3 & 4 Methylphenol	5.00	5.10	102	70 - 130	
Naphthalene	5.00	5.09	102	70 - 130	
2-Nitroaniline	5.00	5.64	113	70 - 130	
3-Nitroaniline	5.00	5.44	109	70 - 130	
4-Nitroaniline	5.00	5.16	103	70 - 130	
Nitrobenzene	5.00	5.35	107	70 - 130	
2-Nitrophenol	5.00	5.56	111	70 - 130	
4-Nitrophenol	5.00	5.19	104	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.19	104	70 - 130	
N-Nitrosodiphenylamine	5.00	0.00080	0	70 - 130	U ^
Pentachlorophenol	10.0	10.2	102	70 - 130	
Phenanthrene	5.00	4.81	96	70 - 130	
Phenol	5.00	5.21	104	70 - 130	
Pyrene	5.00	5.15	103	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.20	104	70 - 130	
2,4,5-Trichlorophenol	5.00	5.31	106	70 - 130	
2,4,6-Trichlorophenol	5.00	5.35	107	70 - 130	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	102	70 - 130
2-Fluorophenol (Surr)	102	50 - 150
Nitrobenzene-d5 (Surr)	109	50 - 150
Phenol-d5 (Surr)	103	50 - 150
Terphenyl-d14 (Surr)	104	50 - 150
2,4,6-Tribromophenol (Surr)	111	50 - 150

Method Reporting Limit Check - Batch: 240-66717 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-66717/26	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21129026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 1846	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	5.05	101	70 - 130	
Acenaphthylene	5.00	5.09	102	70 - 130	
Anthracene	5.00	5.05	101	70 - 130	
Benzo[a]anthracene	5.00	5.29	106	70 - 130	
Benzo[a]pyrene	5.00	5.25	105	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66717

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-66717/26	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21129026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 1846	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
Benzo[b]fluoranthene	5.00	5.18	104	70 - 130	
Benzo[g,h,i]perylene	5.00	5.52	110	70 - 130	
Benzoic acid	10.0	8.66	87	70 - 130	
Benzo[k]fluoranthene	5.00	5.35	107	70 - 130	
Benzyl alcohol	5.00	5.12	102	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.20	104	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.97	99	70 - 130	
bis (2-chloroisopropyl) ether	5.00	5.15	103	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.27	105	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.19	104	70 - 130	
Butyl benzyl phthalate	5.00	5.31	106	70 - 130	
Carbazole	5.00	4.85	97	70 - 130	
4-Chloroaniline	5.00	5.14	103	70 - 130	
4-Chloro-3-methylphenol	5.00	5.48	110	70 - 130	
2-Chloronaphthalene	5.00	5.17	103	70 - 130	
2-Chlorophenol	5.00	5.04	101	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.38	108	70 - 130	
Chrysene	5.00	5.14	103	70 - 130	
Dibenz(a,h)anthracene	5.00	5.06	101	70 - 130	
Dibenzofuran	5.00	4.92	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.13	103	70 - 130	
1,3-Dichlorobenzene	5.00	5.01	100	70 - 130	
1,4-Dichlorobenzene	5.00	4.86	97	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.30	106	70 - 130	
2,4-Dichlorophenol	5.00	5.39	108	70 - 130	
Diethyl phthalate	5.00	5.13	103	70 - 130	
2,4-Dimethylphenol	5.00	5.33	107	70 - 130	
Dimethyl phthalate	5.00	5.27	105	70 - 130	
Di-n-butyl phthalate	5.00	5.18	104	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.84	97	70 - 130	
2,4-Dinitrophenol	10.0	9.44	94	70 - 130	
2,4-Dinitrotoluene	5.00	5.55	111	70 - 130	
2,6-Dinitrotoluene	5.00	5.45	109	70 - 130	
Di-n-octyl phthalate	5.00	5.30	106	70 - 130	
Fluoranthene	5.00	5.05	101	70 - 130	
Fluorene	5.00	5.05	101	70 - 130	
Hexachlorobenzene	5.00	5.22	104	70 - 130	
Hexachlorobutadiene	5.00	5.46	109	70 - 130	
Hexachloroethane	5.00	4.89	98	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.28	106	70 - 130	
Isophorone	5.00	5.38	108	70 - 130	
2-Methylnaphthalene	5.00	5.15	103	70 - 130	
2-Methylphenol	5.00	5.13	103	70 - 130	
3 & 4 Methylphenol	5.00	4.99	100	70 - 130	
Naphthalene	5.00	5.17	103	70 - 130	
2-Nitroaniline	5.00	5.40	108	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66717

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-66717/26	Analysis Batch:	240-66717	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21129026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 1846	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-Nitroaniline	5.00	5.62	112	70 - 130	
4-Nitroaniline	5.00	5.28	106	70 - 130	
Nitrobenzene	5.00	5.48	110	70 - 130	
2-Nitrophenol	5.00	5.55	111	70 - 130	
4-Nitrophenol	5.00	4.96	99	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.29	106	70 - 130	
N-Nitrosodiphenylamine	5.00	4.90	98	70 - 130	
Pentachlorophenol	10.0	9.79	98	70 - 130	
Phenanthrene	5.00	4.75	95	70 - 130	
Phenol	5.00	5.05	101	70 - 130	
Pyrene	5.00	5.08	102	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.48	110	70 - 130	
2,4,5-Trichlorophenol	5.00	5.50	110	70 - 130	
2,4,6-Trichlorophenol	5.00	5.37	107	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	102		70 - 130
2-Fluorophenol (Surr)	100		50 - 150
Nitrobenzene-d5 (Surr)	112	Q	50 - 150
Phenol-d5 (Surr)	101		50 - 150
Terphenyl-d14 (Surr)	104		50 - 150
2,4,6-Tribromophenol (Surr)	114		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66734

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-66734/4-A	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-66734	Lab File ID:	21205006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/05/2012 1012	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/29/2012 0951			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	27	U	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: 240-17796-1

Method Blank - Batch: 240-66734

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-66734/4-A	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-66734	Lab File ID:	21205006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/05/2012 1012	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/29/2012 0951			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)	67	45 - 105
2-Fluorophenol (Surr)	77	35 - 105
Nitrobenzene-d5 (Surr)	73	35 - 100
Phenol-d5 (Surr)	79	40 - 100
Terphenyl-d14 (Surr)	83	30 - 125
2,4,6-Tribromophenol (Surr)	57	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-66734

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-66734/5-A	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-66734	Lab File ID:	21205007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/05/2012 1037	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/29/2012 0951			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	489	73	45 - 110	
Acenaphthylene	667	481	72	45 - 105	
Anthracene	667	507	76	55 - 105	
Benzo[a]anthracene	667	486	73	50 - 110	
Benzo[a]pyrene	667	457	69	50 - 110	
Benzo[b]fluoranthene	667	513	77	45 - 115	
Benzo[g,h,i]perylene	667	522	78	40 - 125	
Benzoic acid	667	330	50	0 - 110	J
Benzo[k]fluoranthene	667	541	81	45 - 125	
Benzyl alcohol	667	498	75	20 - 125	
Bis(2-chloroethoxy)methane	667	500	75	45 - 110	
Bis(2-chloroethyl)ether	667	500	75	40 - 105	
bis (2-chloroisopropyl) ether	667	514	77	20 - 115	
Bis(2-ethylhexyl) phthalate	667	482	72	45 - 125	
4-Bromophenyl phenyl ether	667	548	82	45 - 115	
Butyl benzyl phthalate	667	495	74	50 - 125	
Carbazole	667	512	77	45 - 115	
4-Chloroaniline	667	372	56	10 - 110	
4-Chloro-3-methylphenol	667	495	74	45 - 115	
2-Chloronaphthalene	667	481	72	45 - 105	
2-Chlorophenol	667	490	73	45 - 105	
4-Chlorophenyl phenyl ether	667	486	73	45 - 110	
Chrysene	667	512	77	55 - 110	
Dibenz(a,h)anthracene	667	521	78	40 - 125	
Dibenzofuran	667	488	73	50 - 105	
1,2-Dichlorobenzene	667	477	72	45 - 110	
1,3-Dichlorobenzene	667	463	69	40 - 100	
1,4-Dichlorobenzene	667	472	71	35 - 105	
3,3'-Dichlorobenzidine	667	335	50	10 - 130	
2,4-Dichlorophenol	667	508	76	45 - 110	
Diethyl phthalate	667	504	76	50 - 115	
2,4-Dimethylphenol	667	353	53	30 - 105	
Dimethyl phthalate	667	503	75	50 - 110	
Di-n-butyl phthalate	667	546	82	55 - 110	
4,6-Dinitro-2-methylphenol	667	420	63	30 - 135	
2,4-Dinitrophenol	667	326	49	15 - 130	J
2,4-Dinitrotoluene	667	530	79	50 - 115	
2,6-Dinitrotoluene	667	527	79	50 - 110	
Di-n-octyl phthalate	667	483	73	40 - 130	
Fluoranthene	667	530	79	55 - 115	
Fluorene	667	478	72	50 - 110	
Hexachlorobenzene	667	509	76	45 - 120	
Hexachlorobutadiene	667	480	72	40 - 115	
Hexachloroethane	667	434	65	35 - 110	
Indeno[1,2,3-cd]pyrene	667	521	78	40 - 120	
Isophorone	667	510	77	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-66734

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-66734/5-A	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-66734	Lab File ID:	21205007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/05/2012 1037	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	11/29/2012 0951			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	489	73	45 - 105	
2-Methylphenol	667	486	73	40 - 105	
3 & 4 Methylphenol	1330	1030	77	40 - 105	
Naphthalene	667	488	73	40 - 105	
2-Nitroaniline	667	513	77	45 - 120	
3-Nitroaniline	667	472	71	25 - 110	
4-Nitroaniline	667	487	73	35 - 115	
Nitrobenzene	667	497	75	40 - 115	
2-Nitrophenol	667	500	75	40 - 110	
4-Nitrophenol	667	488	73	15 - 140	
N-Nitrosodi-n-propylamine	667	508	76	40 - 115	
N-Nitrosodiphenylamine	667	519	78	50 - 115	
Pentachlorophenol	667	364	55	25 - 120	
Phenanthrene	667	515	77	50 - 110	
Phenol	667	512	77	40 - 100	
Pyrene	667	497	75	45 - 125	
1,2,4-Trichlorobenzene	667	452	68	45 - 110	
2,4,5-Trichlorophenol	667	471	71	50 - 110	
2,4,6-Trichlorophenol	667	470	70	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	65	45 - 105
2-Fluorophenol (Surr)	75	35 - 105
Nitrobenzene-d5 (Surr)	70	35 - 100
Phenol-d5 (Surr)	78	40 - 100
Terphenyl-d14 (Surr)	77	30 - 125
2,4,6-Tribromophenol (Surr)	74	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67225

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67225/3	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21204003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 0945	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	5.09	102	70 - 130	
Acenaphthylene	5.00	5.16	103	70 - 130	
Anthracene	5.00	5.02	100	70 - 130	
Benzo[a]anthracene	5.00	5.03	101	70 - 130	
Benzo[a]pyrene	5.00	5.23	105	70 - 130	
Benzo[b]fluoranthene	5.00	5.37	107	70 - 130	
Benzo[g,h,i]perylene	5.00	5.57	111	70 - 130	
Benzoic acid	10.0	9.12	91	70 - 130	
Benzo[k]fluoranthene	5.00	5.30	106	70 - 130	
Benzyl alcohol	5.00	5.18	104	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.04	101	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.96	99	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.23	105	70 - 130	
Butyl benzyl phthalate	5.00	4.74	95	70 - 130	
Carbazole	5.00	5.12	102	70 - 130	
4-Chloro-3-methylphenol	5.00	5.22	104	70 - 130	
2-Chloronaphthalene	5.00	5.07	101	70 - 130	
2-Chlorophenol	5.00	5.32	106	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.25	105	70 - 130	
Chrysene	5.00	5.00	100	70 - 130	
Dibenz(a,h)anthracene	5.00	5.02	100	70 - 130	
Dibenzofuran	5.00	4.90	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.15	103	70 - 130	
1,3-Dichlorobenzene	5.00	5.21	104	70 - 130	
1,4-Dichlorobenzene	5.00	5.00	100	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.69	94	70 - 130	
2,4-Dichlorophenol	5.00	5.25	105	70 - 130	
Diethyl phthalate	5.00	5.32	106	70 - 130	
2,4-Dimethylphenol	5.00	5.13	103	70 - 130	
Dimethyl phthalate	5.00	5.18	104	70 - 130	
Di-n-butyl phthalate	5.00	5.22	104	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	5.09	102	70 - 130	
2,4-Dinitrophenol	10.0	10.1	101	70 - 130	
2,4-Dinitrotoluene	5.00	5.34	107	70 - 130	
2,6-Dinitrotoluene	5.00	5.28	106	70 - 130	
Di-n-octyl phthalate	5.00	4.78	96	70 - 130	
Fluoranthene	5.00	5.24	105	70 - 130	
Fluorene	5.00	5.09	102	70 - 130	
Hexachlorobenzene	5.00	5.16	103	70 - 130	
Hexachlorobutadiene	5.00	5.25	105	70 - 130	
Hexachloroethane	5.00	5.13	103	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.18	104	70 - 130	
Isophorone	5.00	5.22	104	70 - 130	
2-Methylnaphthalene	5.00	5.04	101	70 - 130	
2-Methylphenol	5.00	5.12	102	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67225 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67225/3	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21204003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 0945	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	5.08	102	70 - 130	
Naphthalene	5.00	5.18	104	70 - 130	
2-Nitroaniline	5.00	5.34	107	70 - 130	
3-Nitroaniline	5.00	5.25	105	70 - 130	
4-Nitroaniline	5.00	5.04	101	70 - 130	
Nitrobenzene	5.00	5.38	108	70 - 130	
2-Nitrophenol	5.00	5.25	105	70 - 130	
4-Nitrophenol	5.00	5.10	102	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.24	105	70 - 130	
N-Nitrosodiphenylamine	5.00	0.00080	0	70 - 130	U ^
Pentachlorophenol	10.0	10.3	103	70 - 130	
Phenanthrene	5.00	4.93	99	70 - 130	
Phenol	5.00	5.35	107	70 - 130	
Pyrene	5.00	5.02	100	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.21	104	70 - 130	
2,4,5-Trichlorophenol	5.00	5.36	107	70 - 130	
2,4,6-Trichlorophenol	5.00	5.27	105	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	101		50 - 150
2-Fluorophenol (Surr)	106	Q	50 - 150
Nitrobenzene-d5 (Surr)	112	Q	50 - 150
Phenol-d5 (Surr)	106	Q	50 - 150
Terphenyl-d14 (Surr)	100		50 - 150
2,4,6-Tribromophenol (Surr)	104		50 - 150

Method Reporting Limit Check - Batch: 240-67225 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67225/25	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21204025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 1826	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	4.96	99	70 - 130	
Anthracene	5.00	4.98	100	70 - 130	
Benzo[a]anthracene	5.00	5.28	106	70 - 130	
Benzo[a]pyrene	5.00	5.21	104	70 - 130	
Benzo[b]fluoranthene	5.00	5.42	108	70 - 130	
Benzo[g,h,i]perylene	5.00	5.02	100	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67225 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67225/25	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21204025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 1826	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	7.87	79	70 - 130	
Benzo[k]fluoranthene	5.00	5.50	110	70 - 130	
Benzyl alcohol	5.00	5.32	106	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.22	104	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.12	102	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.34	107	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.25	105	70 - 130	
Butyl benzyl phthalate	5.00	5.32	106	70 - 130	
Carbazole	5.00	4.91	98	70 - 130	
4-Chloro-3-methylphenol	5.00	5.28	106	70 - 130	
2-Chloronaphthalene	5.00	5.10	102	70 - 130	
2-Chlorophenol	5.00	5.14	103	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.53	111	70 - 130	
Chrysene	5.00	5.11	102	70 - 130	
Dibenz(a,h)anthracene	5.00	4.82	96	70 - 130	
Dibenzofuran	5.00	5.02	100	70 - 130	
1,2-Dichlorobenzene	5.00	5.32	106	70 - 130	
1,3-Dichlorobenzene	5.00	5.18	104	70 - 130	
1,4-Dichlorobenzene	5.00	5.10	102	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.30	106	70 - 130	
2,4-Dichlorophenol	5.00	5.23	105	70 - 130	
Diethyl phthalate	5.00	5.20	104	70 - 130	
2,4-Dimethylphenol	5.00	5.20	104	70 - 130	
Dimethyl phthalate	5.00	5.25	105	70 - 130	
Di-n-butyl phthalate	5.00	5.17	103	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	3.97	79	70 - 130	
2,4-Dinitrophenol	10.0	6.89	69	70 - 130	^
2,4-Dinitrotoluene	5.00	5.60	112	70 - 130	
2,6-Dinitrotoluene	5.00	5.38	108	70 - 130	
Di-n-octyl phthalate	5.00	5.32	106	70 - 130	
Fluoranthene	5.00	5.11	102	70 - 130	
Fluorene	5.00	5.08	102	70 - 130	
Hexachlorobenzene	5.00	5.25	105	70 - 130	
Hexachlorobutadiene	5.00	5.39	108	70 - 130	
Hexachloroethane	5.00	5.08	102	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.92	98	70 - 130	
Isophorone	5.00	5.34	107	70 - 130	
2-Methylnaphthalene	5.00	5.08	102	70 - 130	
2-Methylphenol	5.00	5.08	102	70 - 130	
3 & 4 Methylphenol	5.00	5.11	102	70 - 130	
Naphthalene	5.00	5.04	101	70 - 130	
2-Nitroaniline	5.00	5.36	107	70 - 130	
3-Nitroaniline	5.00	5.69	114	70 - 130	
4-Nitroaniline	5.00	5.39	108	70 - 130	
Nitrobenzene	5.00	5.41	108	70 - 130	
2-Nitrophenol	5.00	5.20	104	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67225 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67225/25	Analysis Batch:	240-67225	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21204025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 1826	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	5.17	103	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.37	107	70 - 130	
N-Nitrosodiphenylamine	5.00	4.92	98	70 - 130	
Pentachlorophenol	10.0	9.50	95	70 - 130	
Phenanthrene	5.00	4.74	95	70 - 130	
Phenol	5.00	5.20	104	70 - 130	
Pyrene	5.00	5.09	102	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.46	109	70 - 130	
2,4,5-Trichlorophenol	5.00	5.50	110	70 - 130	
2,4,6-Trichlorophenol	5.00	5.36	107	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	102		50 - 150
2-Fluorophenol (Surr)	100		50 - 150
Nitrobenzene-d5 (Surr)	111	Q	50 - 150
Phenol-d5 (Surr)	105	Q	50 - 150
Terphenyl-d14 (Surr)	104		50 - 150
2,4,6-Tribromophenol (Surr)	114		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67368

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67368/3	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 0851	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	5.11	102	70 - 130	
Acenaphthylene	5.00	5.10	102	70 - 130	
Anthracene	5.00	4.96	99	70 - 130	
Benzo[a]anthracene	5.00	4.65	93	70 - 130	
Benzo[a]pyrene	5.00	4.85	97	70 - 130	
Benzo[b]fluoranthene	5.00	4.73	95	70 - 130	
Benzo[g,h,i]perylene	5.00	4.82	96	70 - 130	
Benzoic acid	10.0	8.86	89	70 - 130	
Benzo[k]fluoranthene	5.00	5.03	101	70 - 130	
Benzyl alcohol	5.00	5.05	101	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.10	102	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.08	102	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.73	95	70 - 130	
4-Bromophenyl phenyl ether	5.00	4.99	100	70 - 130	
Butyl benzyl phthalate	5.00	4.65	93	70 - 130	
Carbazole	5.00	4.80	96	70 - 130	
4-Chloro-3-methylphenol	5.00	5.06	101	70 - 130	
2-Chloronaphthalene	5.00	4.96	99	70 - 130	
2-Chlorophenol	5.00	4.87	97	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.12	102	70 - 130	
Chrysene	5.00	4.90	98	70 - 130	
Dibenz(a,h)anthracene	5.00	4.76	95	70 - 130	
Dibenzofuran	5.00	5.09	102	70 - 130	
1,2-Dichlorobenzene	5.00	5.03	101	70 - 130	
1,3-Dichlorobenzene	5.00	5.10	102	70 - 130	
1,4-Dichlorobenzene	5.00	5.07	101	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.86	97	70 - 130	
2,4-Dichlorophenol	5.00	5.16	103	70 - 130	
Diethyl phthalate	5.00	4.89	98	70 - 130	
2,4-Dimethylphenol	5.00	4.94	99	70 - 130	
Dimethyl phthalate	5.00	5.13	103	70 - 130	
Di-n-butyl phthalate	5.00	4.86	97	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.69	94	70 - 130	
2,4-Dinitrophenol	10.0	8.95	90	70 - 130	
2,4-Dinitrotoluene	5.00	5.18	104	70 - 130	
2,6-Dinitrotoluene	5.00	5.41	108	70 - 130	
Di-n-octyl phthalate	5.00	4.68	94	70 - 130	
Fluoranthene	5.00	4.82	96	70 - 130	
Fluorene	5.00	4.97	99	70 - 130	
Hexachlorobenzene	5.00	5.11	102	70 - 130	
Hexachlorobutadiene	5.00	4.99	100	70 - 130	
Hexachloroethane	5.00	4.92	98	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.89	98	70 - 130	
Isophorone	5.00	4.94	99	70 - 130	
2-Methylnaphthalene	5.00	4.87	97	70 - 130	
2-Methylphenol	5.00	5.18	104	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67368 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67368/3	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 0851	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	5.18	104	70 - 130	
Naphthalene	5.00	4.86	97	70 - 130	
2-Nitroaniline	5.00	5.07	101	70 - 130	
3-Nitroaniline	5.00	5.32	106	70 - 130	
4-Nitroaniline	5.00	5.53	111	70 - 130	
Nitrobenzene	5.00	5.10	102	70 - 130	
2-Nitrophenol	5.00	4.99	100	70 - 130	
4-Nitrophenol	5.00	4.74	95	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.23	105	70 - 130	
N-Nitrosodiphenylamine	5.00	4.92	98	70 - 130	
Pentachlorophenol	10.0	8.82	88	70 - 130	
Phenanthrene	5.00	4.76	95	70 - 130	
Phenol	5.00	5.26	105	70 - 130	
Pyrene	5.00	4.80	96	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.09	102	70 - 130	
2,4,5-Trichlorophenol	5.00	4.69	94	70 - 130	
2,4,6-Trichlorophenol	5.00	5.09	102	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	97		50 - 150
2-Fluorophenol (Surr)	100		50 - 150
Nitrobenzene-d5 (Surr)	99		50 - 150
Phenol-d5 (Surr)	106	Q	50 - 150
Terphenyl-d14 (Surr)	92		50 - 150
2,4,6-Tribromophenol (Surr)	106		50 - 150

Method Reporting Limit Check - Batch: 240-67368 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67368/15	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 1334	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	4.67	93	70 - 130	
Acenaphthylene	5.00	4.72	94	70 - 130	
Anthracene	5.00	4.88	98	70 - 130	
Benzo[a]anthracene	5.00	4.88	98	70 - 130	
Benzo[a]pyrene	5.00	4.83	97	70 - 130	
Benzo[b]fluoranthene	5.00	4.66	93	70 - 130	
Benzo[g,h,i]perylene	5.00	4.80	96	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67368

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67368/15	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 1334	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	7.98	80	70 - 130	
Benzo[k]fluoranthene	5.00	5.03	101	70 - 130	
Benzyl alcohol	5.00	5.04	101	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.96	99	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.70	94	70 - 130	
4-Bromophenyl phenyl ether	5.00	4.93	99	70 - 130	
Butyl benzyl phthalate	5.00	4.79	96	70 - 130	
Carbazole	5.00	4.67	93	70 - 130	
4-Chloro-3-methylphenol	5.00	4.80	96	70 - 130	
2-Chloronaphthalene	5.00	4.56	91	70 - 130	
2-Chlorophenol	5.00	4.91	98	70 - 130	
4-Chlorophenyl phenyl ether	5.00	4.62	92	70 - 130	
Chrysene	5.00	4.75	95	70 - 130	
Dibenz(a,h)anthracene	5.00	4.85	97	70 - 130	
Dibenzofuran	5.00	4.53	91	70 - 130	
1,2-Dichlorobenzene	5.00	4.89	98	70 - 130	
1,3-Dichlorobenzene	5.00	4.89	98	70 - 130	
1,4-Dichlorobenzene	5.00	4.92	98	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.83	97	70 - 130	
2,4-Dichlorophenol	5.00	4.85	97	70 - 130	
Diethyl phthalate	5.00	4.66	93	70 - 130	
2,4-Dimethylphenol	5.00	4.56	91	70 - 130	
Dimethyl phthalate	5.00	4.65	93	70 - 130	
Di-n-butyl phthalate	5.00	4.76	95	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.00	80	70 - 130	
2,4-Dinitrophenol	10.0	6.45	65	70 - 130	^
2,4-Dinitrotoluene	5.00	4.87	97	70 - 130	
2,6-Dinitrotoluene	5.00	4.77	95	70 - 130	
Di-n-octyl phthalate	5.00	4.60	92	70 - 130	
Fluoranthene	5.00	4.72	94	70 - 130	
Fluorene	5.00	4.52	90	70 - 130	
Hexachlorobenzene	5.00	5.10	102	70 - 130	
Hexachlorobutadiene	5.00	4.91	98	70 - 130	
Hexachloroethane	5.00	4.71	94	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.81	96	70 - 130	
Isophorone	5.00	4.79	96	70 - 130	
2-Methylnaphthalene	5.00	4.83	97	70 - 130	
2-Methylphenol	5.00	5.07	101	70 - 130	
3 & 4 Methylphenol	5.00	4.98	100	70 - 130	
Naphthalene	5.00	4.76	95	70 - 130	
2-Nitroaniline	5.00	4.94	99	70 - 130	
3-Nitroaniline	5.00	4.87	97	70 - 130	
4-Nitroaniline	5.00	4.97	99	70 - 130	
Nitrobenzene	5.00	4.90	98	70 - 130	
2-Nitrophenol	5.00	5.09	102	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67368 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67368/15	Analysis Batch:	240-67368	Instrument ID:	A4HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 1334	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	4.53	91	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.09	102	70 - 130	
N-Nitrosodiphenylamine	5.00	5.10	102	70 - 130	
Pentachlorophenol	10.0	8.22	82	70 - 130	
Phenanthrene	5.00	4.75	95	70 - 130	
Phenol	5.00	5.05	101	70 - 130	
Pyrene	5.00	5.00	100	70 - 130	
1,2,4-Trichlorobenzene	5.00	4.84	97	70 - 130	
2,4,5-Trichlorophenol	5.00	4.62	92	70 - 130	
2,4,6-Trichlorophenol	5.00	4.81	96	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	92		50 - 150
2-Fluorophenol (Surr)	102		50 - 150
Nitrobenzene-d5 (Surr)	100		50 - 150
Phenol-d5 (Surr)	105	Q	50 - 150
Terphenyl-d14 (Surr)	96		50 - 150
2,4,6-Tribromophenol (Surr)	100		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67390

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67390/3	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 0956	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	5.10	102	70 - 130	
Acenaphthylene	5.00	5.03	101	70 - 130	
Anthracene	5.00	5.06	101	70 - 130	
Benzo[a]anthracene	5.00	5.10	102	70 - 130	
Benzo[a]pyrene	5.00	5.12	102	70 - 130	
Benzo[b]fluoranthene	5.00	5.44	109	70 - 130	
Benzo[g,h,i]perylene	5.00	5.40	108	70 - 130	
Benzoic acid	10.0	9.33	93	70 - 130	
Benzo[k]fluoranthene	5.00	5.25	105	70 - 130	
Benzyl alcohol	5.00	5.16	103	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.94	99	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.09	102	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.11	102	70 - 130	
Butyl benzyl phthalate	5.00	5.17	103	70 - 130	
Carbazole	5.00	4.99	100	70 - 130	
4-Chloro-3-methylphenol	5.00	5.19	104	70 - 130	
2-Chloronaphthalene	5.00	5.04	101	70 - 130	
2-Chlorophenol	5.00	5.19	104	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.26	105	70 - 130	
Chrysene	5.00	5.10	102	70 - 130	
Dibenz(a,h)anthracene	5.00	4.95	99	70 - 130	
Dibenzofuran	5.00	4.99	100	70 - 130	
1,2-Dichlorobenzene	5.00	5.19	104	70 - 130	
1,3-Dichlorobenzene	5.00	5.24	105	70 - 130	
1,4-Dichlorobenzene	5.00	5.14	103	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.25	105	70 - 130	
2,4-Dichlorophenol	5.00	5.21	104	70 - 130	
Diethyl phthalate	5.00	5.07	101	70 - 130	
2,4-Dimethylphenol	5.00	5.23	105	70 - 130	
Dimethyl phthalate	5.00	5.04	101	70 - 130	
Di-n-butyl phthalate	5.00	5.13	103	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.85	97	70 - 130	
2,4-Dinitrophenol	10.0	9.30	93	70 - 130	
2,4-Dinitrotoluene	5.00	5.19	104	70 - 130	
2,6-Dinitrotoluene	5.00	5.05	101	70 - 130	
Di-n-octyl phthalate	5.00	5.03	101	70 - 130	
Fluoranthene	5.00	5.20	104	70 - 130	
Fluorene	5.00	5.21	104	70 - 130	
Hexachlorobenzene	5.00	4.94	99	70 - 130	
Hexachlorobutadiene	5.00	5.20	104	70 - 130	
Hexachloroethane	5.00	5.05	101	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.96	99	70 - 130	
Isophorone	5.00	5.06	101	70 - 130	
2-Methylnaphthalene	5.00	5.02	100	70 - 130	
2-Methylphenol	5.00	5.08	102	70 - 130	

Method Reporting Limit Check - Batch: 240-67390 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67390/3	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 0956	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	5.12	102	70 - 130	
Naphthalene	5.00	5.20	104	70 - 130	
2-Nitroaniline	5.00	5.25	105	70 - 130	
3-Nitroaniline	5.00	5.23	105	70 - 130	
4-Nitroaniline	5.00	4.97	99	70 - 130	
Nitrobenzene	5.00	5.16	103	70 - 130	
2-Nitrophenol	5.00	5.40	108	70 - 130	
4-Nitrophenol	5.00	5.00	100	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.15	103	70 - 130	
N-Nitrosodiphenylamine	5.00	4.97	99	70 - 130	
Pentachlorophenol	10.0	9.84	98	70 - 130	
Phenanthrene	5.00	4.79	96	70 - 130	
Phenol	5.00	5.10	102	70 - 130	
Pyrene	5.00	5.28	106	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.12	102	70 - 130	
2,4,5-Trichlorophenol	5.00	5.27	105	70 - 130	
2,4,6-Trichlorophenol	5.00	5.30	106	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	101		50 - 150
2-Fluorophenol (Surr)	106	Q	50 - 150
Nitrobenzene-d5 (Surr)	106	Q	50 - 150
Phenol-d5 (Surr)	103	Q	50 - 150
Terphenyl-d14 (Surr)	103		50 - 150
2,4,6-Tribromophenol (Surr)	111		50 - 150

Method Reporting Limit Check - Batch: 240-67390 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67390/26	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 1850	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	5.05	101	70 - 130	
Acenaphthylene	5.00	5.02	100	70 - 130	
Anthracene	5.00	5.00	100	70 - 130	
Benzo[a]anthracene	5.00	5.31	106	70 - 130	
Benzo[a]pyrene	5.00	5.11	102	70 - 130	
Benzo[b]fluoranthene	5.00	5.09	102	70 - 130	
Benzo[g,h,i]perylene	5.00	4.64	93	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67390

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67390/26	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 1850	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	8.19	82	70 - 130	
Benzo[k]fluoranthene	5.00	5.39	108	70 - 130	
Benzyl alcohol	5.00	5.18	104	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.31	106	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.04	101	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.18	104	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.26	105	70 - 130	
Butyl benzyl phthalate	5.00	5.13	103	70 - 130	
Carbazole	5.00	4.87	97	70 - 130	
4-Chloro-3-methylphenol	5.00	5.40	108	70 - 130	
2-Chloronaphthalene	5.00	5.15	103	70 - 130	
2-Chlorophenol	5.00	5.17	103	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.29	106	70 - 130	
Chrysene	5.00	5.21	104	70 - 130	
Dibenz(a,h)anthracene	5.00	4.57	91	70 - 130	
Dibenzofuran	5.00	4.89	98	70 - 130	
1,2-Dichlorobenzene	5.00	5.28	106	70 - 130	
1,3-Dichlorobenzene	5.00	5.19	104	70 - 130	
1,4-Dichlorobenzene	5.00	5.14	103	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.18	104	70 - 130	
2,4-Dichlorophenol	5.00	5.41	108	70 - 130	
Diethyl phthalate	5.00	5.00	100	70 - 130	
2,4-Dimethylphenol	5.00	5.42	108	70 - 130	
Dimethyl phthalate	5.00	5.17	103	70 - 130	
Di-n-butyl phthalate	5.00	5.03	101	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	3.99	80	70 - 130	
2,4-Dinitrophenol	10.0	7.24	72	70 - 130	
2,4-Dinitrotoluene	5.00	5.12	102	70 - 130	
2,6-Dinitrotoluene	5.00	5.31	106	70 - 130	
Di-n-octyl phthalate	5.00	4.94	99	70 - 130	
Fluoranthene	5.00	4.97	99	70 - 130	
Fluorene	5.00	5.02	100	70 - 130	
Hexachlorobenzene	5.00	5.28	106	70 - 130	
Hexachlorobutadiene	5.00	5.43	109	70 - 130	
Hexachloroethane	5.00	4.93	99	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.71	94	70 - 130	
Isophorone	5.00	5.32	106	70 - 130	
2-Methylnaphthalene	5.00	5.19	104	70 - 130	
2-Methylphenol	5.00	5.11	102	70 - 130	
3 & 4 Methylphenol	5.00	5.16	103	70 - 130	
Naphthalene	5.00	5.06	101	70 - 130	
2-Nitroaniline	5.00	5.24	105	70 - 130	
3-Nitroaniline	5.00	5.38	108	70 - 130	
4-Nitroaniline	5.00	5.29	106	70 - 130	
Nitrobenzene	5.00	5.53	111	70 - 130	
2-Nitrophenol	5.00	5.36	107	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67390 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67390/26	Analysis Batch:	240-67390	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21205026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/05/2012 1850	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	5.14	103	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.13	103	70 - 130	
N-Nitrosodiphenylamine	5.00	5.09	102	70 - 130	
Pentachlorophenol	10.0	9.62	96	70 - 130	
Phenanthrene	5.00	4.77	95	70 - 130	
Phenol	5.00	5.09	102	70 - 130	
Pyrene	5.00	5.07	101	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.52	110	70 - 130	
2,4,5-Trichlorophenol	5.00	5.37	107	70 - 130	
2,4,6-Trichlorophenol	5.00	5.26	105	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	103		50 - 150
2-Fluorophenol (Surr)	103		50 - 150
Nitrobenzene-d5 (Surr)	110	Q	50 - 150
Phenol-d5 (Surr)	104	Q	50 - 150
Terphenyl-d14 (Surr)	102		50 - 150
2,4,6-Tribromophenol (Surr)	110		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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: 240-17796-1

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: 240-17796-1

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: 240-17796-1

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: 240-17796-1

Method Blank - Batch: 240-67600

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-67600/22-A	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-67600	Lab File ID:	21211007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/11/2012 1244	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/06/2012 1045			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	27	U	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: 240-17796-1

Method Blank - Batch: 240-67600

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	MB 240-67600/22-A	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-67600	Lab File ID:	21211007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/11/2012 1244	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/06/2012 1045			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)	63	45 - 105
2-Fluorophenol (Surr)	61	35 - 105
Nitrobenzene-d5 (Surr)	65	35 - 100
Phenol-d5 (Surr)	66	40 - 100
Terphenyl-d14 (Surr)	90	30 - 125
2,4,6-Tribromophenol (Surr)	52	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-67600

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-67600/23-A	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-67600	Lab File ID:	21211008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/11/2012 1307	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/06/2012 1045			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	519	78	45 - 110	
Acenaphthylene	667	520	78	45 - 105	
Anthracene	667	575	86	55 - 105	
Benzo[a]anthracene	667	597	89	50 - 110	
Benzo[a]pyrene	667	565	85	50 - 110	
Benzo[b]fluoranthene	667	635	95	45 - 115	
Benzo[g,h,i]perylene	667	719	108	40 - 125	
Benzoic acid	667	330	30	0 - 110	U
Benzo[k]fluoranthene	667	687	103	45 - 125	
Benzyl alcohol	667	513	77	20 - 125	
Bis(2-chloroethoxy)methane	667	494	74	45 - 110	
Bis(2-chloroethyl)ether	667	465	70	40 - 105	
bis (2-chloroisopropyl) ether	667	436	65	20 - 115	
Bis(2-ethylhexyl) phthalate	667	600	90	45 - 125	
4-Bromophenyl phenyl ether	667	586	88	45 - 115	
Butyl benzyl phthalate	667	593	89	50 - 125	
Carbazole	667	586	88	45 - 115	
4-Chloroaniline	667	342	51	10 - 110	
4-Chloro-3-methylphenol	667	561	84	45 - 115	
2-Chloronaphthalene	667	504	76	45 - 105	
2-Chlorophenol	667	484	73	45 - 105	
4-Chlorophenyl phenyl ether	667	553	83	45 - 110	
Chrysene	667	630	94	55 - 110	
Dibenz(a,h)anthracene	667	627	94	40 - 125	
Dibenzofuran	667	521	78	50 - 105	
1,2-Dichlorobenzene	667	465	70	45 - 110	
1,3-Dichlorobenzene	667	452	68	40 - 100	
1,4-Dichlorobenzene	667	452	68	35 - 105	
3,3'-Dichlorobenzidine	667	403	60	10 - 130	
2,4-Dichlorophenol	667	533	80	45 - 110	
Diethyl phthalate	667	599	90	50 - 115	
2,4-Dimethylphenol	667	402	60	30 - 105	
Dimethyl phthalate	667	579	87	50 - 110	
Di-n-butyl phthalate	667	633	95	55 - 110	
4,6-Dinitro-2-methylphenol	667	500	75	30 - 135	
2,4-Dinitrophenol	667	400	60	15 - 130	
2,4-Dinitrotoluene	667	591	89	50 - 115	
2,6-Dinitrotoluene	667	580	87	50 - 110	
Di-n-octyl phthalate	667	621	93	40 - 130	
Fluoranthene	667	615	92	55 - 115	
Fluorene	667	542	81	50 - 110	
Hexachlorobenzene	667	588	88	45 - 120	
Hexachlorobutadiene	667	499	75	40 - 115	
Hexachloroethane	667	454	68	35 - 110	
Indeno[1,2,3-cd]pyrene	667	639	96	40 - 120	
Isophorone	667	535	80	45 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-67600

Method: 8270C/DoD
Preparation: 3540C

Lab Sample ID:	LCS 240-67600/23-A	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	240-67600	Lab File ID:	21211008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/11/2012 1307	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	12/06/2012 1045			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylnaphthalene	667	520	78	45 - 105	
2-Methylphenol	667	479	72	40 - 105	
3 & 4 Methylphenol	1330	978	73	40 - 105	
Naphthalene	667	504	76	40 - 105	
2-Nitroaniline	667	566	85	45 - 120	
3-Nitroaniline	667	527	79	25 - 110	
4-Nitroaniline	667	557	84	35 - 115	
Nitrobenzene	667	511	77	40 - 115	
2-Nitrophenol	667	522	78	40 - 110	
4-Nitrophenol	667	588	88	15 - 140	
N-Nitrosodi-n-propylamine	667	490	74	40 - 115	
N-Nitrosodiphenylamine	667	569	85	50 - 115	
Pentachlorophenol	667	475	71	25 - 120	
Phenanthrene	667	568	85	50 - 110	
Phenol	667	487	73	40 - 100	
Pyrene	667	570	86	45 - 125	
1,2,4-Trichlorobenzene	667	481	72	45 - 110	
2,4,5-Trichlorophenol	667	513	77	50 - 110	
2,4,6-Trichlorophenol	667	466	70	45 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	71	45 - 105
2-Fluorophenol (Surr)	70	35 - 105
Nitrobenzene-d5 (Surr)	74	35 - 100
Phenol-d5 (Surr)	72	40 - 100
Terphenyl-d14 (Surr)	93	30 - 125
2,4,6-Tribromophenol (Surr)	73	35 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67761 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67761/3	Analysis Batch:	240-67761	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21207003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1142	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	5.13	103	70 - 130	
Acenaphthylene	5.00	5.11	102	70 - 130	
Anthracene	5.00	5.13	103	70 - 130	
Benzo[a]anthracene	5.00	5.20	104	70 - 130	
Benzo[a]pyrene	5.00	4.94	99	70 - 130	
Benzo[b]fluoranthene	5.00	5.28	106	70 - 130	
Benzo[g,h,i]perylene	5.00	5.51	110	70 - 130	
Benzoic acid	10.0	8.71	87	70 - 130	
Benzo[k]fluoranthene	5.00	5.02	100	70 - 130	
Benzyl alcohol	5.00	5.18	104	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.00	100	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.96	99	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.90	98	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.26	105	70 - 130	
Butyl benzyl phthalate	5.00	4.92	98	70 - 130	
Carbazole	5.00	5.07	101	70 - 130	
4-Chloro-3-methylphenol	5.00	5.43	109	70 - 130	
2-Chloronaphthalene	5.00	5.14	103	70 - 130	
2-Chlorophenol	5.00	5.12	102	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.33	107	70 - 130	
Chrysene	5.00	5.21	104	70 - 130	
Dibenz(a,h)anthracene	5.00	5.04	101	70 - 130	
Dibenzofuran	5.00	5.08	102	70 - 130	
1,2-Dichlorobenzene	5.00	5.09	102	70 - 130	
1,3-Dichlorobenzene	5.00	4.90	98	70 - 130	
1,4-Dichlorobenzene	5.00	5.03	101	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.93	99	70 - 130	
2,4-Dichlorophenol	5.00	5.36	107	70 - 130	
Diethyl phthalate	5.00	5.20	104	70 - 130	
2,4-Dimethylphenol	5.00	5.46	109	70 - 130	
Dimethyl phthalate	5.00	5.25	105	70 - 130	
Di-n-butyl phthalate	5.00	5.08	102	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	5.21	104	70 - 130	
2,4-Dinitrophenol	10.0	9.76	98	70 - 130	
2,4-Dinitrotoluene	5.00	5.44	109	70 - 130	
2,6-Dinitrotoluene	5.00	5.24	105	70 - 130	
Di-n-octyl phthalate	5.00	4.54	91	70 - 130	
Fluoranthene	5.00	5.25	105	70 - 130	
Fluorene	5.00	5.18	104	70 - 130	
Hexachlorobenzene	5.00	5.31	106	70 - 130	
Hexachlorobutadiene	5.00	5.49	110	70 - 130	
Hexachloroethane	5.00	4.84	97	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.13	103	70 - 130	
Isophorone	5.00	5.16	103	70 - 130	
2-Methylnaphthalene	5.00	5.22	104	70 - 130	
2-Methylphenol	5.00	5.02	100	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67761 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67761/3	Analysis Batch:	240-67761	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21207003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1142	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	5.07	101	70 - 130	
Naphthalene	5.00	5.20	104	70 - 130	
2-Nitroaniline	5.00	5.37	107	70 - 130	
3-Nitroaniline	5.00	5.43	109	70 - 130	
4-Nitroaniline	5.00	5.20	104	70 - 130	
Nitrobenzene	5.00	5.16	103	70 - 130	
2-Nitrophenol	5.00	5.30	106	70 - 130	
4-Nitrophenol	5.00	5.33	107	70 - 130	
N-Nitrosodi-n-propylamine	5.00	5.05	101	70 - 130	
N-Nitrosodiphenylamine	5.00	0.00080	0	70 - 130	U ^
Pentachlorophenol	10.0	10.2	102	70 - 130	
Phenanthrene	5.00	5.00	100	70 - 130	
Phenol	5.00	5.16	103	70 - 130	
Pyrene	5.00	5.06	101	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.34	107	70 - 130	
2,4,5-Trichlorophenol	5.00	5.26	105	70 - 130	
2,4,6-Trichlorophenol	5.00	5.34	107	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	104		50 - 150
2-Fluorophenol (Surr)	99		50 - 150
Nitrobenzene-d5 (Surr)	106	Q	50 - 150
Phenol-d5 (Surr)	102	Q	50 - 150
Terphenyl-d14 (Surr)	102		50 - 150
2,4,6-Tribromophenol (Surr)	113		50 - 150

Method Reporting Limit Check - Batch: 240-67761 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67761/7	Analysis Batch:	240-67761	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21207007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1315	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	5.08	102	70 - 130	
Acenaphthylene	5.00	5.09	102	70 - 130	
Anthracene	5.00	5.15	103	70 - 130	
Benzo[a]anthracene	5.00	5.20	104	70 - 130	
Benzo[a]pyrene	5.00	5.18	104	70 - 130	
Benzo[b]fluoranthene	5.00	5.27	105	70 - 130	
Benzo[g,h,i]perylene	5.00	5.66	113	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67761 **Method: 8270C/DoD**
Preparation: N/A

Lab Sample ID:	MRL 240-67761/7	Analysis Batch:	240-67761	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21207007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1315	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	8.36	84	70 - 130	
Benzo[k]fluoranthene	5.00	5.23	105	70 - 130	
Benzyl alcohol	5.00	5.04	101	70 - 130	
Bis(2-chloroethoxy)methane	5.00	4.93	99	70 - 130	
Bis(2-chloroethyl)ether	5.00	4.84	97	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	5.10	102	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.11	102	70 - 130	
Butyl benzyl phthalate	5.00	5.16	103	70 - 130	
Carbazole	5.00	5.06	101	70 - 130	
4-Chloro-3-methylphenol	5.00	5.34	107	70 - 130	
2-Chloronaphthalene	5.00	5.13	103	70 - 130	
2-Chlorophenol	5.00	5.01	100	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.24	105	70 - 130	
Chrysene	5.00	5.15	103	70 - 130	
Dibenz(a,h)anthracene	5.00	5.09	102	70 - 130	
Dibenzofuran	5.00	4.95	99	70 - 130	
1,2-Dichlorobenzene	5.00	5.02	100	70 - 130	
1,3-Dichlorobenzene	5.00	4.91	98	70 - 130	
1,4-Dichlorobenzene	5.00	4.98	100	70 - 130	
3,3'-Dichlorobenzidine	5.00	5.18	104	70 - 130	
2,4-Dichlorophenol	5.00	5.32	106	70 - 130	
Diethyl phthalate	5.00	5.14	103	70 - 130	
2,4-Dimethylphenol	5.00	5.33	107	70 - 130	
Dimethyl phthalate	5.00	5.19	104	70 - 130	
Di-n-butyl phthalate	5.00	5.25	105	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	5.17	103	70 - 130	
2,4-Dinitrophenol	10.0	9.72	97	70 - 130	
2,4-Dinitrotoluene	5.00	5.35	107	70 - 130	
2,6-Dinitrotoluene	5.00	5.16	103	70 - 130	
Di-n-octyl phthalate	5.00	4.96	99	70 - 130	
Fluoranthene	5.00	5.14	103	70 - 130	
Fluorene	5.00	5.12	102	70 - 130	
Hexachlorobenzene	5.00	5.27	105	70 - 130	
Hexachlorobutadiene	5.00	5.41	108	70 - 130	
Hexachloroethane	5.00	4.86	97	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	5.22	104	70 - 130	
Isophorone	5.00	5.25	105	70 - 130	
2-Methylnaphthalene	5.00	5.14	103	70 - 130	
2-Methylphenol	5.00	4.85	97	70 - 130	
3 & 4 Methylphenol	5.00	4.87	97	70 - 130	
Naphthalene	5.00	5.17	103	70 - 130	
2-Nitroaniline	5.00	5.37	107	70 - 130	
3-Nitroaniline	5.00	5.27	105	70 - 130	
4-Nitroaniline	5.00	5.30	106	70 - 130	
Nitrobenzene	5.00	5.28	106	70 - 130	
2-Nitrophenol	5.00	5.27	105	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67761

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-67761/7	Analysis Batch:	240-67761	Instrument ID:	A4HP7
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	21207007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/07/2012 1315	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	5.25	105	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.98	100	70 - 130	
N-Nitrosodiphenylamine	5.00	4.92	98	70 - 130	
Pentachlorophenol	10.0	10.3	103	70 - 130	
Phenanthrene	5.00	4.89	98	70 - 130	
Phenol	5.00	5.12	102	70 - 130	
Pyrene	5.00	5.10	102	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.34	107	70 - 130	
2,4,5-Trichlorophenol	5.00	5.55	111	70 - 130	
2,4,6-Trichlorophenol	5.00	5.27	105	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	102		50 - 150
2-Fluorophenol (Surr)	99		50 - 150
Nitrobenzene-d5 (Surr)	106	Q	50 - 150
Phenol-d5 (Surr)	100		50 - 150
Terphenyl-d14 (Surr)	102		50 - 150
2,4,6-Tribromophenol (Surr)	114		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-68148

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-68148/4	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21211004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/11/2012 1134	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	4.57	91	70 - 130	
Acenaphthylene	5.00	4.67	93	70 - 130	
Anthracene	5.00	4.57	91	70 - 130	
Benzo[a]anthracene	5.00	4.49	90	70 - 130	
Benzo[a]pyrene	5.00	4.42	88	70 - 130	
Benzo[b]fluoranthene	5.00	4.59	92	70 - 130	
Benzo[g,h,i]perylene	5.00	4.78	96	70 - 130	
Benzoic acid	10.0	9.04	90	70 - 130	
Benzo[k]fluoranthene	5.00	4.65	93	70 - 130	
Benzyl alcohol	5.00	4.29	86	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.26	105	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.31	106	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.31	86	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.76	115	70 - 130	
Butyl benzyl phthalate	5.00	4.28	86	70 - 130	
Carbazole	5.00	4.53	91	70 - 130	
4-Chloro-3-methylphenol	5.00	4.94	99	70 - 130	
2-Chloronaphthalene	5.00	5.38	108	70 - 130	
2-Chlorophenol	5.00	4.48	90	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.57	111	70 - 130	
Chrysene	5.00	4.43	89	70 - 130	
Dibenz(a,h)anthracene	5.00	4.27	85	70 - 130	
Dibenzofuran	5.00	4.50	90	70 - 130	
1,2-Dichlorobenzene	5.00	5.55	111	70 - 130	
1,3-Dichlorobenzene	5.00	5.41	108	70 - 130	
1,4-Dichlorobenzene	5.00	4.57	91	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.38	88	70 - 130	
2,4-Dichlorophenol	5.00	5.07	101	70 - 130	
Diethyl phthalate	5.00	4.67	93	70 - 130	
2,4-Dimethylphenol	5.00	4.59	92	70 - 130	
Dimethyl phthalate	5.00	4.63	93	70 - 130	
Di-n-butyl phthalate	5.00	4.56	91	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.32	86	70 - 130	
2,4-Dinitrophenol	10.0	9.25	93	70 - 130	
2,4-Dinitrotoluene	5.00	5.64	113	70 - 130	
2,6-Dinitrotoluene	5.00	5.49	110	70 - 130	
Di-n-octyl phthalate	5.00	4.42	88	70 - 130	
Fluoranthene	5.00	4.65	93	70 - 130	
Fluorene	5.00	4.51	90	70 - 130	
Hexachlorobenzene	5.00	5.46	109	70 - 130	
Hexachlorobutadiene	5.00	6.26	125	70 - 130	
Hexachloroethane	5.00	5.30	106	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.46	89	70 - 130	
Isophorone	5.00	4.73	95	70 - 130	
2-Methylnaphthalene	5.00	4.83	97	70 - 130	
2-Methylphenol	5.00	4.37	87	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-68148

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-68148/4	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21211004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/11/2012 1134	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	4.54	91	70 - 130	
Naphthalene	5.00	4.71	94	70 - 130	
2-Nitroaniline	5.00	4.64	93	70 - 130	
3-Nitroaniline	5.00	4.55	91	70 - 130	
4-Nitroaniline	5.00	4.66	93	70 - 130	
Nitrobenzene	5.00	5.68	114	70 - 130	
2-Nitrophenol	5.00	5.06	101	70 - 130	
4-Nitrophenol	5.00	4.87	97	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.45	89	70 - 130	
N-Nitrosodiphenylamine	5.00	4.50	90	70 - 130	
Pentachlorophenol	10.0	9.56	96	70 - 130	
Phenanthrene	5.00	4.39	88	70 - 130	
Phenol	5.00	4.49	90	70 - 130	
Pyrene	5.00	4.37	87	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.85	117	70 - 130	
2,4,5-Trichlorophenol	5.00	4.72	94	70 - 130	
2,4,6-Trichlorophenol	5.00	4.74	95	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	114	Q	50 - 150
2-Fluorophenol (Surr)	89		50 - 150
Nitrobenzene-d5 (Surr)	117	Q	50 - 150
Phenol-d5 (Surr)	90		50 - 150
Terphenyl-d14 (Surr)	103		50 - 150
2,4,6-Tribromophenol (Surr)	95		50 - 150

Method Reporting Limit Check - Batch: 240-68148

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-68148/15	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21211015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/11/2012 1550	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	4.62	92	70 - 130	
Acenaphthylene	5.00	4.70	94	70 - 130	
Anthracene	5.00	4.66	93	70 - 130	
Benzo[a]anthracene	5.00	4.48	90	70 - 130	
Benzo[a]pyrene	5.00	4.38	88	70 - 130	
Benzo[b]fluoranthene	5.00	4.48	90	70 - 130	
Benzo[g,h,i]perylene	5.00	4.81	96	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-68148

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-68148/15	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21211015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/11/2012 1550	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	8.65	86	70 - 130	
Benzo[k]fluoranthene	5.00	4.74	95	70 - 130	
Benzyl alcohol	5.00	4.68	94	70 - 130	
Bis(2-chloroethoxy)methane	5.00	5.37	107	70 - 130	
Bis(2-chloroethyl)ether	5.00	5.35	107	70 - 130	
Bis(2-ethylhexyl) phthalate	5.00	4.42	88	70 - 130	
4-Bromophenyl phenyl ether	5.00	5.81	116	70 - 130	
Butyl benzyl phthalate	5.00	4.31	86	70 - 130	
Carbazole	5.00	4.48	90	70 - 130	
4-Chloro-3-methylphenol	5.00	4.96	99	70 - 130	
2-Chloronaphthalene	5.00	5.55	111	70 - 130	
2-Chlorophenol	5.00	4.67	93	70 - 130	
4-Chlorophenyl phenyl ether	5.00	5.66	113	70 - 130	
Chrysene	5.00	4.52	90	70 - 130	
Dibenz(a,h)anthracene	5.00	4.29	86	70 - 130	
Dibenzofuran	5.00	4.58	92	70 - 130	
1,2-Dichlorobenzene	5.00	5.58	112	70 - 130	
1,3-Dichlorobenzene	5.00	5.57	111	70 - 130	
1,4-Dichlorobenzene	5.00	4.55	91	70 - 130	
3,3'-Dichlorobenzidine	5.00	4.52	90	70 - 130	
2,4-Dichlorophenol	5.00	4.93	99	70 - 130	
Diethyl phthalate	5.00	4.70	94	70 - 130	
2,4-Dimethylphenol	5.00	4.76	95	70 - 130	
Dimethyl phthalate	5.00	4.83	97	70 - 130	
Di-n-butyl phthalate	5.00	4.65	93	70 - 130	
4,6-Dinitro-2-methylphenol	5.00	4.27	85	70 - 130	
2,4-Dinitrophenol	10.0	8.29	83	70 - 130	
2,4-Dinitrotoluene	5.00	5.63	113	70 - 130	
2,6-Dinitrotoluene	5.00	5.60	112	70 - 130	
Di-n-octyl phthalate	5.00	4.30	86	70 - 130	
Fluoranthene	5.00	4.64	93	70 - 130	
Fluorene	5.00	4.67	93	70 - 130	
Hexachlorobenzene	5.00	5.83	117	70 - 130	
Hexachlorobutadiene	5.00	6.13	123	70 - 130	
Hexachloroethane	5.00	5.15	103	70 - 130	
Indeno[1,2,3-cd]pyrene	5.00	4.44	89	70 - 130	
Isophorone	5.00	4.79	96	70 - 130	
2-Methylnaphthalene	5.00	4.93	99	70 - 130	
2-Methylphenol	5.00	4.56	91	70 - 130	
3 & 4 Methylphenol	5.00	4.52	90	70 - 130	
Naphthalene	5.00	4.78	96	70 - 130	
2-Nitroaniline	5.00	4.86	97	70 - 130	
3-Nitroaniline	5.00	4.96	99	70 - 130	
4-Nitroaniline	5.00	4.75	95	70 - 130	
Nitrobenzene	5.00	5.62	112	70 - 130	
2-Nitrophenol	5.00	4.89	98	70 - 130	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-68148

Method: 8270C/DoD
Preparation: N/A

Lab Sample ID:	MRL 240-68148/15	Analysis Batch:	240-68148	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	21211015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/11/2012 1550	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	4.91	98	70 - 130	
N-Nitrosodi-n-propylamine	5.00	4.68	94	70 - 130	
N-Nitrosodiphenylamine	5.00	4.51	90	70 - 130	
Pentachlorophenol	10.0	9.41	94	70 - 130	
Phenanthrene	5.00	4.43	89	70 - 130	
Phenol	5.00	4.60	92	70 - 130	
Pyrene	5.00	4.34	87	70 - 130	
1,2,4-Trichlorobenzene	5.00	5.79	116	70 - 130	
2,4,5-Trichlorophenol	5.00	4.93	99	70 - 130	
2,4,6-Trichlorophenol	5.00	4.78	96	70 - 130	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl (Surr)	112	Q	50 - 150
2-Fluorophenol (Surr)	89		50 - 150
Nitrobenzene-d5 (Surr)	117	Q	50 - 150
Phenol-d5 (Surr)	91		50 - 150
Terphenyl-d14 (Surr)	108		50 - 150
2,4,6-Tribromophenol (Surr)	102		50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66387

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MB 240-66387/45	Analysis Batch:	240-66387	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF112745.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 1400	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 1400			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
C6-C12	50	U	25	100

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	79	10 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66387

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MRL 240-66387/30	Analysis Batch:	240-66387	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF112730.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 0410	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 0410			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	114	114	70 - 130	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	77	70 - 130

Lab Control Sample - Batch: 240-66387

Method: 8015B
Preparation: 5030B

Lab Sample ID:	LCS 240-66387/46	Analysis Batch:	240-66387	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF112746.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 1438	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 1438			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	800	885	111	72 - 140	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	87	10 - 150

Method Reporting Limit Check - Batch: 240-66387

Method: 8015B
Preparation: 5030B

Lab Sample ID:	MRL 240-66387/61	Analysis Batch:	240-66387	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF112761.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/29/2012 0017	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/29/2012 0017			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C6-C12	100	102	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	74	70 - 130

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66387

Method: 8015B
Preparation: 5030B

MS Lab Sample ID:	240-17796-20	Analysis Batch:	240-66387	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF112749.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 1635			Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 1635			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17796-20	Analysis Batch:	240-66387	Instrument ID:	YPID
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	YF112750.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/28/2012 1713			Final Weight/Volume:	5 mL
Prep Date:	11/28/2012 1713			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C6-C12	109	106	63 - 143	3	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Trifluorotoluene (Surr)	86	84	10 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66387

Method: 8015B
Preparation: 5030B

MS Lab Sample ID:	240-17796-20	Units:	ug/L	MSD Lab Sample ID:	240-17796-20
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/28/2012 1635			Analysis Date:	11/28/2012 1713
Prep Date:	11/28/2012 1635			Prep Date:	11/28/2012 1713
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C6-C12	33	J	800	800	908	882

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-65900

Method: 8081/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-65900/9-A	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	240-65900	Lab File ID:	P9112740.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/28/2012 1947	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 0952			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.010	U	0.0096	0.050
4,4'-DDE	0.010	U	0.0097	0.050
4,4'-DDT	0.030	U	0.016	0.050
Aldrin	0.010	U	0.0082	0.050
alpha-BHC	0.010	U	0.0070	0.050
alpha-Chlordane	0.014	U	0.014	0.050
beta-BHC	0.010	U	0.0084	0.050
delta-BHC	0.010	U	0.0087	0.050
Dieldrin	0.010	U	0.0075	0.050
Endosulfan I	0.013	U	0.013	0.050
Endosulfan II	0.012	U	0.012	0.050
Endosulfan sulfate	0.011	U	0.011	0.050
Endrin	0.011	U	0.011	0.050
Endrin aldehyde	0.011	U	0.011	0.050
Endrin ketone	0.010	U	0.0078	0.050
gamma-BHC (Lindane)	0.010	U	0.0064	0.050
gamma-Chlordane	0.012	U	0.012	0.050
Heptachlor	0.010	U	0.0080	0.050
Heptachlor epoxide	0.010	U	0.0071	0.050
Methoxychlor	0.032	U	0.032	0.10
Toxaphene	0.50	U	0.32	2.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	86	30 - 135
Tetrachloro-m-xylene	73	25 - 140

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	93	30 - 135
Tetrachloro-m-xylene	85	25 - 140

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-65900

Method: 8081/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-65900/10-A	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	240-65900	Lab File ID:	P9112754.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/29/2012 0208	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 0952			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.500	0.476	95	25 - 150	
4,4'-DDE	0.500	0.469	94	35 - 140	
4,4'-DDT	0.500	0.426	85	45 - 140	
Aldrin	0.500	0.495	99	25 - 140	
alpha-BHC	0.500	0.543	109	60 - 130	
alpha-Chlordane	0.500	0.482	96	65 - 125	
beta-BHC	0.500	0.548	110	65 - 125	
delta-BHC	0.500	0.532	106	45 - 135	
Dieldrin	0.500	0.490	98	60 - 130	
Endosulfan I	0.500	0.353	71	50 - 110	
Endosulfan II	0.500	0.382	76	30 - 130	
Endosulfan sulfate	0.500	0.483	97	55 - 135	
Endrin	0.500	0.424	85	55 - 135	
Endrin aldehyde	0.500	0.375	75	55 - 135	
Endrin ketone	0.500	0.414	83	75 - 125	
gamma-BHC (Lindane)	0.500	0.490	98	25 - 135	
gamma-Chlordane	0.500	0.501	100	60 - 125	
Heptachlor	0.500	0.366	73	40 - 130	
Heptachlor epoxide	0.500	0.501	100	60 - 130	
Methoxychlor	0.500	0.392	78	55 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	42	30 - 135
Tetrachloro-m-xylene	76	25 - 140

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	43	30 - 135
Tetrachloro-m-xylene	84	25 - 140

Method Reporting Limit Check - Batch: 240-66500 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66500/18	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112718.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/28/2012 0937	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00553	111	70 - 130	
4,4'-DDE	0.00500	0.00540	108	70 - 130	
4,4'-DDT	0.00500	0.00525	105	70 - 130	
Aldrin	0.00500	0.00544	109	70 - 130	
alpha-BHC	0.00500	0.00489	98	70 - 130	J
alpha-Chlordane	0.00500	0.00572	114	70 - 130	
beta-BHC	0.00500	0.00600	120	70 - 130	
delta-BHC	0.00500	0.00513	103	70 - 130	
Dieldrin	0.00500	0.00566	113	70 - 130	
Endosulfan I	0.00500	0.00594	119	70 - 130	
Endosulfan II	0.00500	0.00553	111	70 - 130	
Endosulfan sulfate	0.00500	0.00558	112	70 - 130	
Endrin	0.00500	0.00567	113	70 - 130	
Endrin aldehyde	0.00500	0.00590	118	70 - 130	
Endrin ketone	0.00500	0.00556	111	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70 - 130	
gamma-Chlordane	0.00500	0.00555	111	70 - 130	
Heptachlor	0.00500	0.00585	117	70 - 130	
Heptachlor epoxide	0.00500	0.00577	115	70 - 130	
Methoxychlor	0.00500	0.00557	111	70 - 130	J

Method Reporting Limit Check - Batch: 240-66500 **Method: 8081/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66500/18	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112718.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/28/2012 0937	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00526	105	70 - 130	
4,4'-DDE	0.00500	0.00524	105	70 - 130	
4,4'-DDT	0.00500	0.00507	101	70 - 130	
Aldrin	0.00500	0.00539	108	70 - 130	
alpha-BHC	0.00500	0.00519	104	70 - 130	
alpha-Chlordane	0.00500	0.00551	110	70 - 130	
beta-BHC	0.00500	0.00573	115	70 - 130	
delta-BHC	0.00500	0.00523	105	70 - 130	
Dieldrin	0.00500	0.00537	107	70 - 130	
Endosulfan I	0.00500	0.00567	113	70 - 130	
Endosulfan II	0.00500	0.00564	113	70 - 130	
Endosulfan sulfate	0.00500	0.00563	113	70 - 130	

Method Reporting Limit Check - Batch: 240-66500

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-66500/18	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112718.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/28/2012 0937	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.00500	0.00563	113	70 - 130	
Endrin aldehyde	0.00500	0.00557	111	70 - 130	
Endrin ketone	0.00500	0.00559	112	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70 - 130	
gamma-Chlordane	0.00500	0.00546	109	70 - 130	
Heptachlor	0.00500	0.00566	113	70 - 130	
Heptachlor epoxide	0.00500	0.00561	112	70 - 130	
Methoxychlor	0.00500	0.00551	110	70 - 130	J

Method Reporting Limit Check - Batch: 240-66500

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-66500/56	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112756.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 0303	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00575	115	70 - 130	
4,4'-DDE	0.00500	0.00593	119	70 - 130	
4,4'-DDT	0.00500	0.00514	103	70 - 130	
Aldrin	0.00500	0.00657	131	70 - 130	^
alpha-BHC	0.00500	0.00591	118	70 - 130	
alpha-Chlordane	0.00500	0.00631	126	70 - 130	
beta-BHC	0.00500	0.00667	133	70 - 130	^
delta-BHC	0.00500	0.00566	113	70 - 130	
Dieldrin	0.00500	0.00606	121	70 - 130	
Endosulfan I	0.00500	0.00611	122	70 - 130	
Endosulfan II	0.00500	0.00575	115	70 - 130	
Endosulfan sulfate	0.00500	0.00599	120	70 - 130	
Endrin	0.00500	0.00564	113	70 - 130	
Endrin aldehyde	0.00500	0.00586	117	70 - 130	
Endrin ketone	0.00500	0.00580	116	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00579	116	70 - 130	
gamma-Chlordane	0.00500	0.00623	125	70 - 130	
Heptachlor	0.00500	0.00576	115	70 - 130	
Heptachlor epoxide	0.00500	0.00635	127	70 - 130	
Methoxychlor	0.00500	0.00580	116	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66500

Method: 8081/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-66500/56	Analysis Batch:	240-66500	Instrument ID:	A2HP9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P9112756.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/29/2012 0303	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.00500	0.00578	116	70 - 130	
4,4'-DDE	0.00500	0.00608	122	70 - 130	
4,4'-DDT	0.00500	0.00510	102	70 - 130	
Aldrin	0.00500	0.00666	133	70 - 130	^
alpha-BHC	0.00500	0.00640	128	70 - 130	
alpha-Chlordane	0.00500	0.00636	127	70 - 130	
beta-BHC	0.00500	0.00652	130	70 - 130	
delta-BHC	0.00500	0.00596	119	70 - 130	
Dieldrin	0.00500	0.00605	121	70 - 130	
Endosulfan I	0.00500	0.00611	122	70 - 130	
Endosulfan II	0.00500	0.00597	119	70 - 130	
Endosulfan sulfate	0.00500	0.00629	126	70 - 130	
Endrin	0.00500	0.00582	116	70 - 130	
Endrin aldehyde	0.00500	0.00582	116	70 - 130	
Endrin ketone	0.00500	0.00611	122	70 - 130	
gamma-BHC (Lindane)	0.00500	0.00607	121	70 - 130	
gamma-Chlordane	0.00500	0.00626	125	70 - 130	
Heptachlor	0.00500	0.00570	114	70 - 130	
Heptachlor epoxide	0.00500	0.00633	127	70 - 130	
Methoxychlor	0.00500	0.00591	118	70 - 130	J

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-65899

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-65899/8-A	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-65899	Lab File ID:	P1300018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/24/2012 2331	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 0948			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	0.20	U	0.13	0.50
Aroclor-1016	0.20	U	0.17	0.50
Aroclor-1232	0.20	U	0.16	0.50
Aroclor-1242	0.40	U	0.22	0.50
Aroclor-1248	0.20	U	0.10	0.50
Aroclor-1254	0.20	U	0.16	0.50
Aroclor-1260	0.20	U	0.17	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	40 - 140
DCB Decachlorobiphenyl	71	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	73	40 - 140
DCB Decachlorobiphenyl	61	40 - 135

Lab Control Sample - Batch: 240-65899

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-65899/9-A	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-65899	Lab File ID:	P1300019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/24/2012 2346	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/21/2012 0948			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	4.22	84	25 - 145	
Aroclor-1260	5.00	4.49	90	30 - 145	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	68	40 - 140
DCB Decachlorobiphenyl	79	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	65	40 - 140
DCB Decachlorobiphenyl	71	40 - 135

Method Reporting Limit Check - Batch: 240-66171 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66171/10	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/24/2012 2132	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0588	118	70 - 130	
Aroclor-1260	0.0500	0.0497	99	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	109	50 - 150
DCB Decachlorobiphenyl	117	50 - 150

Method Reporting Limit Check - Batch: 240-66171 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66171/10	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/24/2012 2132	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0540	108	70 - 130	
Aroclor-1260	0.0500	0.0549	110	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	116	50 - 150
DCB Decachlorobiphenyl	114	50 - 150

Method Reporting Limit Check - Batch: 240-66171 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66171/21	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/25/2012 0016	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0561	112	70 - 130	
Aroclor-1260	0.0500	0.0503	101	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	116	50 - 150
DCB Decachlorobiphenyl	115	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66171

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-66171/21	Analysis Batch:	240-66171	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/25/2012 0016	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0666	133	70 - 130	^
Aroclor-1260	0.0500	0.0585	117	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	118	50 - 150
DCB Decachlorobiphenyl	128	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66426

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	MB 240-66426/4-A	Analysis Batch:	240-66802	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-66426	Lab File ID:	P1300008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/30/2012 1805	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/27/2012 1047			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	0.20	U	0.13	0.50
Aroclor-1016	0.20	U	0.17	0.50
Aroclor-1232	0.20	U	0.16	0.50
Aroclor-1242	0.40	U	0.22	0.50
Aroclor-1248	0.20	U	0.10	0.50
Aroclor-1254	0.20	U	0.16	0.50
Aroclor-1260	0.20	U	0.17	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	84	40 - 140
DCB Decachlorobiphenyl	69	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	40 - 140
DCB Decachlorobiphenyl	67	40 - 135

Lab Control Sample - Batch: 240-66426

Method: 8082/DOD
Preparation: 3520C

Lab Sample ID:	LCS 240-66426/5-A	Analysis Batch:	240-66802	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	240-66426	Lab File ID:	P1300009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/30/2012 1820	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/27/2012 1047			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	4.34	87	25 - 145	
Aroclor-1260	5.00	4.67	93	30 - 145	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	85	40 - 140
DCB Decachlorobiphenyl	79	40 - 135

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	73	40 - 140
DCB Decachlorobiphenyl	77	40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	79	79	40 - 140
DCB Decachlorobiphenyl	45	48	40 - 135

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	73	70	40 - 140
DCB Decachlorobiphenyl	44	49	40 - 135

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66777

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	MB 240-66777/20-A	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-66777	Lab File ID:	P1300020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/04/2012 0557	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1128			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
Aroclor-1221	25	U	16	50
Aroclor-1016	25	U	21	65
Aroclor-1232	25	U	14	45
Aroclor-1242	25	U	13	40
Aroclor-1248	25	U	17	55
Aroclor-1254	25	U	17	55
Aroclor-1260	25	U	17	55

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	88	40 - 140
DCB Decachlorobiphenyl	93	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	83	40 - 140
DCB Decachlorobiphenyl	90	60 - 125

Lab Control Sample - Batch: 240-66777

Method: 8082/DOD
Preparation: 3540C

Lab Sample ID:	LCS 240-66777/21-A	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-66777	Lab File ID:	P1300030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	12/04/2012 0826	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1128			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	245	74	40 - 140	
Aroclor-1260	333	265	79	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	40 - 140
DCB Decachlorobiphenyl	79	60 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	40 - 140
DCB Decachlorobiphenyl	75	60 - 125

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66777

Method: 8082/DOD
Preparation: 3540C

MS Lab Sample ID:	240-17796-16	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-66777	Lab File ID:	P1300028.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	30.07 g
Analysis Date:	12/04/2012 0756			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1128			Injection Volume:	1 mL
Leach Date:	11/21/2012 1000			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17796-16	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-66777	Lab File ID:	P1300029.D
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	29.79 g
Analysis Date:	12/04/2012 0811			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1128			Injection Volume:	1 mL
Leach Date:	11/21/2012 1000			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	96	94	40 - 140	1	30		
Aroclor-1260	99	94	60 - 130	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	88	87	40 - 140
DCB Decachlorobiphenyl	105	99	60 - 125

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	85	81	40 - 140
DCB Decachlorobiphenyl	92	87	60 - 125

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-66777

Method: 8082/DOD
Preparation: 3540C

MS Lab Sample ID:	240-17796-16	Units:	ug/Kg	MSD Lab Sample ID:	240-17796-16
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/04/2012 0756			Analysis Date:	12/04/2012 0811
Prep Date:	11/29/2012 1128			Prep Date:	11/29/2012 1128
Leach Date:	11/21/2012 1000			Leach Date:	11/21/2012 1000

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor-1016	25	U	333	336	318	316
Aroclor-1260	25	U	333	336	328	317

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66802 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66802/4	Analysis Batch:	240-66802	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/30/2012 1705	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0579	116	70 - 130	
Aroclor-1260	0.0500	0.0457	91	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	105	50 - 150
DCB Decachlorobiphenyl	107	50 - 150

Method Reporting Limit Check - Batch: 240-66802 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66802/4	Analysis Batch:	240-66802	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/30/2012 1705	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0552	110	70 - 130	
Aroclor-1260	0.0500	0.0515	103	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	112	50 - 150
DCB Decachlorobiphenyl	100	50 - 150

Method Reporting Limit Check - Batch: 240-66802 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66802/11	Analysis Batch:	240-66802	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/30/2012 1850	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0578	116	70 - 130	
Aroclor-1260	0.0500	0.0488	98	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	111	50 - 150
DCB Decachlorobiphenyl	107	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-66802 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-66802/11	Analysis Batch:	240-66802	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/30/2012 1850	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0561	112	70 - 130	
Aroclor-1260	0.0500	0.0556	111	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	116	50 - 150
DCB Decachlorobiphenyl	107	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67173 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-67173/10	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 0320	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0546	109	70 - 130	
Aroclor-1260	0.0500	0.0429	86	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	115	50 - 150
DCB Decachlorobiphenyl	108	50 - 150

Method Reporting Limit Check - Batch: 240-67173 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-67173/10	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 0320	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0819	164	70 - 130	^
Aroclor-1260	0.0500	0.0551	110	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	114	50 - 150
DCB Decachlorobiphenyl	115	50 - 150

Method Reporting Limit Check - Batch: 240-67173 **Method: 8082/DOD**
Preparation: N/A

Lab Sample ID:	MRL 240-67173/32	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 0856	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0550	110	70 - 130	
Aroclor-1260	0.0500	0.0438	88	70 - 130	J

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	50 - 150
DCB Decachlorobiphenyl	112	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67173

Method: 8082/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-67173/32	Analysis Batch:	240-67173	Instrument ID:	A2HP13
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1300032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 0856	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 mL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	0.0500	0.0594	119	70 - 130	
Aroclor-1260	0.0500	0.0559	112	70 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	115	50 - 150
DCB Decachlorobiphenyl	114	50 - 150

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-65729

Method: 8151/DOD
Preparation: 8151A

Lab Sample ID:	MB 240-65729/4-A	Analysis Batch:	240-67147	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	240-65729	Lab File ID:	P1000029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	12/04/2012 0258	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/20/2012 0945			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
2,4-D	0.50	U	0.41	4.0
Dalapon	0.20	U	0.17	2.0
2,4-DB	1.0	U	0.69	4.0
Dicamba	1.0	U	0.52	2.0
Dichlorprop	1.0	U	0.86	4.0
Dinoseb	0.20	U	0.087	0.60
MCPA	400	U	390	400
MCPP	400	U	400	400
Pentachlorophenol	0.040	U	0.024	0.10
Silvex (2,4,5-TP)	0.20	U	0.20	1.0
2,4,5-T	0.50	U	0.30	1.0

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	77	32 - 112

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	83	32 - 112

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-65729

Method: 8151/DOD
Preparation: 8151A

Lab Sample ID:	LCS 240-65729/5-A	Analysis Batch:	240-67147	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	240-65729	Lab File ID:	P1000030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	12/04/2012 0322	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/20/2012 0945			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	40.0	41.3	103	35 - 115	
Dalapon	20.0	16.1	80	40 - 110	
2,4-DB	40.0	23.9	60	45 - 130	
Dicamba	20.0	17.6	88	60 - 110	
Dichlorprop	40.0	45.6	114	70 - 120	
Dinoseb	6.00	4.90	82	20 - 110	
MCPA	4000	4010	100	60 - 145	
Silvex (2,4,5-TP)	10.0	9.43	94	50 - 115	
2,4,5-T	10.0	10.2	102	35 - 110	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	87	32 - 112

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	90	32 - 112

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67147

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-67147/14	Analysis Batch:	240-67147	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/03/2012 2103	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0242	121	70 - 130	
Dalapon	0.0100	0.0121	121	70 - 130	
2,4-DB	0.0200	0.0229	115	70 - 130	
Dicamba	0.0100	0.0117	117	70 - 130	
Dichlorprop	0.0200	0.0244	122	70 - 130	M
Dinoseb	0.00300	0.00362	121	70 - 130	
MCPA	2.00	1.03	52	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00521	104	70 - 130	
2,4,5-T	0.00500	0.00510	102	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	119	Q	32 - 112

Method Reporting Limit Check - Batch: 240-67147

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-67147/14	Analysis Batch:	240-67147	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/03/2012 2103	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0213	107	70 - 130	
Dalapon	0.0100	0.0112	112	70 - 130	
2,4-DB	0.0200	0.0204	102	70 - 130	
Dicamba	0.0100	0.0103	103	70 - 130	
Dichlorprop	0.0200	0.0215	107	70 - 130	
Dinoseb	0.00300	0.00334	111	70 - 130	
MCPA	2.00	1.03	52	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00505	101	70 - 130	
2,4,5-T	0.00500	0.00515	103	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	121	Q	32 - 112

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 240-67147

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-67147/33	Analysis Batch:	240-67147	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 0433	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0247	123	70 - 130	
Dalapon	0.0100	0.0123	123	70 - 130	
2,4-DB	0.0200	0.0249	124	70 - 130	
Dicamba	0.0100	0.0120	120	70 - 130	
Dichlorprop	0.0200	0.0249	124	70 - 130	M
Dinoseb	0.00300	0.00389	130	70 - 130	
MCPA	2.00	1.21	61	70 - 130	^
Silvex (2,4,5-TP)	0.00500	0.00563	113	70 - 130	
2,4,5-T	0.00500	0.00553	111	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	126	Q	32 - 112

Method Reporting Limit Check - Batch: 240-67147

Method: 8151/DOD
Preparation: N/A

Lab Sample ID:	MRL 240-67147/33	Analysis Batch:	240-67147	Instrument ID:	A2HP1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	12/04/2012 0433	Units:	ng/uL	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.0200	0.0230	115	70 - 130	
Dalapon	0.0100	0.0114	114	70 - 130	
2,4-DB	0.0200	0.0226	113	70 - 130	
Dicamba	0.0100	0.0113	113	70 - 130	
Dichlorprop	0.0200	0.0246	123	70 - 130	
Dinoseb	0.00300	0.00352	117	70 - 130	
MCPA	2.00	1.58	79	70 - 130	
Silvex (2,4,5-TP)	0.00500	0.00535	107	70 - 130	
2,4,5-T	0.00500	0.00539	108	70 - 130	

Surrogate	% Rec		Acceptance Limits
2,4-Dichlorophenylacetic acid	124	Q	32 - 112

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 320-6579

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	MB 320-6579/1-A	Analysis Batch:	320-6888	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6579	Lab File ID:	320-0001684-040-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	12/05/2012 2016	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	0.040	U	0.020	0.25

Method Blank - Batch: 320-6579

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	MB 320-6579/1-A	Analysis Batch:	320-7142	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6579	Lab File ID:	320-0001757-005-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	12/10/2012 1325	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	0.040	U	0.020	0.25

Lab Control Sample - Batch: 320-6579

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

Lab Sample ID:	LCS 320-6579/2-A	Analysis Batch:	320-6888	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6579	Lab File ID:	320-0001684-041-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	12/05/2012 2030	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	1.00	0.955	96	72 - 121	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6579

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

MS Lab Sample ID:	240-17796-2	Analysis Batch:	320-6888	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6579	Lab File ID:	320-0001684-043-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.00 g
Analysis Date:	12/05/2012 2058			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-17796-2	Analysis Batch:	320-6888	Instrument ID:	PDA1
Client Matrix:	Solid	Prep Batch:	320-6579	Lab File ID:	320-0001684-044-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.04 g
Analysis Date:	12/05/2012 2113			Final Weight/Volume:	10 mL
Prep Date:	11/29/2012 1014			Injection Volume:	50 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitroguanidine	92	91	72 - 121	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6579

Method: 8330 Modified
Preparation: Sieve/Ultrasoni

MS Lab Sample ID:	240-17796-2	Units:	mg/Kg	MSD Lab Sample ID:	240-17796-2
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/05/2012 2058			Analysis Date:	12/05/2012 2113
Prep Date:	11/29/2012 1014			Prep Date:	11/29/2012 1014
Leach Date:	N/A			Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Nitroguanidine	0.040	U	1.00	0.980	0.918	0.895

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 320-6878

Method: 8330 Modified
Preparation: Filtration

Lab Sample ID:	MB 320-6878/1-A	Analysis Batch:	320-6888	Instrument ID:	PDA1
Client Matrix:	Water	Prep Batch:	320-6878	Lab File ID:	320-0001684-065-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 mL
Analysis Date:	12/06/2012 0145	Units:	ug/L	Final Weight/Volume:	10.00 mL
Prep Date:	12/05/2012 0738			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitroguanidine	6.0	U	2.4	20

Lab Control Sample - Batch: 320-6878

Method: 8330 Modified
Preparation: Filtration

Lab Sample ID:	LCS 320-6878/2-A	Analysis Batch:	320-6888	Instrument ID:	PDA1
Client Matrix:	Water	Prep Batch:	320-6878	Lab File ID:	320-0001684-066-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 mL
Analysis Date:	12/06/2012 0159	Units:	ug/L	Final Weight/Volume:	10.00 mL
Prep Date:	12/05/2012 0738			Injection Volume:	50 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitroguanidine	250	244	97	73 - 117	M

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6878

Method: 8330 Modified
Preparation: Filtration

MS Lab Sample ID:	240-17796-17	Analysis Batch:	320-6888	Instrument ID:	PDA1
Client Matrix:	Water	Prep Batch:	320-6878	Lab File ID:	320-0001684-068-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 mL
Analysis Date:	12/06/2012 0228			Final Weight/Volume:	10.00 mL
Prep Date:	12/05/2012 0738			Injection Volume:	50 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-17796-17	Analysis Batch:	320-6888	Instrument ID:	PDA1
Client Matrix:	Water	Prep Batch:	320-6878	Lab File ID:	320-0001684-069-1.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 mL
Analysis Date:	12/06/2012 0242			Final Weight/Volume:	10.00 mL
Prep Date:	12/05/2012 0738			Injection Volume:	50 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitroguanidine	97	98	73 - 117	1	15		

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6878

Method: 8330 Modified
Preparation: Filtration

MS Lab Sample ID:	240-17796-17	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	12/06/2012 0228		
Prep Date:	12/05/2012 0738		
Leach Date:	N/A		

MSD Lab Sample ID:	240-17796-17
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	12/06/2012 0242
Prep Date:	12/05/2012 0738
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitroguanidine	6.0	U	250	250	244	246

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 320-6172

Method: 8330B
Preparation: 8330-Prep

Lab Sample ID:	MB 320-6172/1-A	Analysis Batch:	320-6772	Instrument ID:	LC10
Client Matrix:	Water	Prep Batch:	320-6172	Lab File ID:	C000040.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/04/2012 1340	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	11/20/2012 1214			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
1,3-Dinitrobenzene	0.10	U	0.050	0.10
2,4-Dinitrotoluene	0.10	U	0.050	0.10
2,6-Dinitrotoluene	0.10	U	0.050	0.10
2-Amino-4,6-dinitrotoluene	0.10	U	0.015	0.20
2-Nitrotoluene	0.10	U	0.088	0.50
4-Amino-2,6-dinitrotoluene	0.10	U	0.050	0.10
3-Nitrotoluene	0.10	U	0.057	0.50
HMX	0.050	U	0.036	0.10
4-Nitrotoluene	0.10	U	0.088	0.50
Nitrobenzene	0.10	U	0.050	0.10
RDX	0.050	U	0.036	0.10
Nitroglycerin	0.50	U	0.33	0.65
Tetryl	0.10	U	0.050	0.10
PETN	0.50	U	0.30	0.65
1,3,5-Trinitrobenzene	0.050	U	0.031	0.10
2,4,6-Trinitrotoluene	0.10	U	0.050	0.10

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	97	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 320-6172

Method: 8330B
Preparation: 8330-Prep

Lab Sample ID:	LCS 320-6172/2-A	Analysis Batch:	320-6772	Instrument ID:	LC10
Client Matrix:	Water	Prep Batch:	320-6172	Lab File ID:	C000041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/04/2012 1420	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	11/20/2012 1214			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3-Dinitrobenzene	1.00	1.08	108	72 - 123	
2,4-Dinitrotoluene	1.00	1.03	103	70 - 119	
2,6-Dinitrotoluene	1.00	1.04	104	71 - 119	
2-Amino-4,6-dinitrotoluene	1.00	1.04	104	77 - 123	
2-Nitrotoluene	1.00	0.944	94	64 - 120	
4-Amino-2,6-dinitrotoluene	1.00	1.07	107	68 - 113	
3-Nitrotoluene	1.00	0.972	97	67 - 114	
HMX	1.00	1.06	106	67 - 115	
4-Nitrotoluene	1.00	0.991	99	67 - 115	
Nitrobenzene	1.00	1.06	106	69 - 119	
RDX	1.00	1.11	111	68 - 122	
Nitroglycerin	5.00	4.93	99	85 - 115	
Tetryl	1.00	0.856	86	66 - 105	
PETN	5.00	4.57	91	84 - 117	M
1,3,5-Trinitrobenzene	1.00	1.07	107	74 - 120	
2,4,6-Trinitrotoluene	1.00	0.874	87	69 - 111	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	98	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6172

Method: 8330B
Preparation: 8330-Prep

MS Lab Sample ID:	240-17796-17	Analysis Batch:	320-6772	Instrument ID:	LC10
Client Matrix:	Water	Prep Batch:	320-6172	Lab File ID:	C000043.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	977.4 mL
Analysis Date:	12/04/2012 1541			Final Weight/Volume:	20 mL
Prep Date:	11/20/2012 1214			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17796-17	Analysis Batch:	320-6772	Instrument ID:	LC10
Client Matrix:	Water	Prep Batch:	320-6172	Lab File ID:	C000044.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	964 mL
Analysis Date:	12/04/2012 1621			Final Weight/Volume:	20 mL
Prep Date:	11/20/2012 1214			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,3,5-Trinitrobenzene	100	104	74 - 120	5	29		
1,3-Dinitrobenzene	105	105	72 - 123	2	29		
2,4,6-Trinitrotoluene	83	88	69 - 111	7	28	M	M
2,4-Dinitrotoluene	95	95	70 - 119	2	30		
2,6-Dinitrotoluene	87	89	71 - 119	4	29		
2-Amino-4,6-dinitrotoluene	102	103	77 - 123	3	27	M	M
2-Nitrotoluene	95	93	64 - 120	1	36	M	
3-Nitrotoluene	96	95	67 - 114	1	31		
4-Nitrotoluene	94	97	67 - 115	4	32	M	
4-Amino-2,6-dinitrotoluene	105	110	68 - 113	6	30	M	M
HMX	104	115	67 - 115	11	32	M	M
RDX	107	119	68 - 122	12	32	M	M
Nitrobenzene	104	101	69 - 119	2	31	M	
Tetryl	70	79	66 - 105	13	26	M	M
Nitroglycerin	96	96	85 - 115	1	15		
PETN	93	91	84 - 117	1	15		

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
3,4-Dinitrotoluene	95	M	97	M	79 - 111

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6172

Method: 8330B
Preparation: 8330-Prep

MS Lab Sample ID:	240-17796-17	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	12/04/2012 1541		
Prep Date:	11/20/2012 1214		
Leach Date:	N/A		

MSD Lab Sample ID:	240-17796-17
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	12/04/2012 1621
Prep Date:	11/20/2012 1214
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,3,5-Trinitrobenzene	0.051	U	1.02	1.04	1.03		1.08	
1,3-Dinitrobenzene	0.10	U	1.02	1.04	1.07		1.09	
2,4,6-Trinitrotoluene	0.10	U	1.02	1.04	0.848	M	0.909	M
2,4-Dinitrotoluene	0.10	U	1.02	1.04	0.970		0.988	
2,6-Dinitrotoluene	0.10	U	1.02	1.04	0.888		0.922	
2-Amino-4,6-dinitrotoluene	0.10	U	1.02	1.04	1.05	M	1.07	M
2-Nitrotoluene	0.10	U	1.02	1.04	0.977	M	0.964	
3-Nitrotoluene	0.10	U	1.02	1.04	0.983		0.989	
4-Nitrotoluene	0.10	U	1.02	1.04	0.962	M	1.00	
4-Amino-2,6-dinitrotoluene	0.10	U	1.02	1.04	1.08	M	1.14	M
HMX	0.051	U	1.02	1.04	1.07	M	1.20	M
RDX	0.051	U	1.02	1.04	1.10	M	1.23	M
Nitrobenzene	0.10	U	1.02	1.04	1.06	M	1.04	
Tetryl	0.10	U	1.02	1.04	0.717	M	0.815	M
Nitroglycerin	0.51	U	5.12	5.19	4.91		4.96	
PETN	0.51	U	5.12	5.19	4.74		4.70	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 320-6559

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 320-6559/1-A	Analysis Batch:	320-7240	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-6559	Lab File ID:	H000003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	12/11/2012 1647	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	11/29/2012 0810			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
1,3-Dinitrobenzene	0.050	U	0.0042	0.25
2,4-Dinitrotoluene	0.050	U	0.0053	0.25
2,6-Dinitrotoluene	0.050	U	0.0073	0.25
2-Amino-4,6-dinitrotoluene	0.050	U	0.013	0.25
2-Nitrotoluene	0.050	U	0.013	0.25
4-Amino-2,6-dinitrotoluene	0.050	U	0.010	0.25
3-Nitrotoluene	0.050	U	0.016	0.25
HMX	0.050	U	0.012	0.25
4-Nitrotoluene	0.050	U	0.018	0.25
Nitrobenzene	0.050	U	0.018	0.25
RDX	0.050	U	0.012	0.25
Nitroglycerin	0.25	U	0.015	0.50
Tetryl	0.050	U	0.010	0.25
PETN	0.25	U	0.025	0.50
1,3,5-Trinitrobenzene	0.050	U	0.010	0.25
2,4,6-Trinitrotoluene	0.050	U	0.019	0.25

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	99	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 320-6559

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 320-6559/2-A	Analysis Batch:	320-7240	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-6559	Lab File ID:	H000004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.00 g
Analysis Date:	12/11/2012 1727	Units:	mg/Kg	Final Weight/Volume:	80 mL
Prep Date:	11/29/2012 0810			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3-Dinitrobenzene	0.500	0.517	103	81 - 121	
2,4-Dinitrotoluene	0.500	0.508	102	79 - 119	
2,6-Dinitrotoluene	0.500	0.499	100	79 - 119	
2-Amino-4,6-dinitrotoluene	0.500	0.510	102	79 - 119	
2-Nitrotoluene	0.500	0.483	97	78 - 118	
4-Amino-2,6-dinitrotoluene	0.500	0.530	106	81 - 121	
3-Nitrotoluene	0.500	0.490	98	77 - 117	
HMX	0.500	0.518	104	80 - 120	
4-Nitrotoluene	0.500	0.484	97	78 - 118	
Nitrobenzene	0.500	0.510	102	80 - 120	
RDX	0.500	0.516	103	82 - 122	
Nitroglycerin	1.00	0.981	98	76 - 116	
Tetryl	0.500	0.461	92	63 - 120	
PETN	1.00	0.998	100	76 - 116	
1,3,5-Trinitrobenzene	0.500	0.514	103	81 - 121	
2,4,6-Trinitrotoluene	0.500	0.413	83	65 - 105	

Surrogate	% Rec	Acceptance Limits
3,4-Dinitrotoluene	98	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6559

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-17796-2	Analysis Batch:	320-7240	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-6559	Lab File ID:	H000006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.05 g
Analysis Date:	12/11/2012 1848			Final Weight/Volume:	80 mL
Prep Date:	11/29/2012 0810			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-17796-2	Analysis Batch:	320-7240	Instrument ID:	LC10
Client Matrix:	Solid	Prep Batch:	320-6559	Lab File ID:	H000007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	9.99 g
Analysis Date:	12/11/2012 1928			Final Weight/Volume:	80 mL
Prep Date:	11/29/2012 0810			Injection Volume:	500 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,3-Dinitrobenzene	104	103	81 - 121	0	20		
2,4-Dinitrotoluene	102	99	79 - 119	2	20		
2,6-Dinitrotoluene	103	98	79 - 119	4	20		
2-Amino-4,6-dinitrotoluene	104	98	79 - 119	6	20		
2-Nitrotoluene	94	94	78 - 118	0	20		
4-Amino-2,6-dinitrotoluene	106	100	81 - 121	5	20		
3-Nitrotoluene	97	97	77 - 117	0	20		
HMX	100	99	80 - 120	0	20		
4-Nitrotoluene	97	98	78 - 118	3	20		
Nitrobenzene	102	98	80 - 120	4	20		
RDX	93	88	82 - 122	6	20		
Nitroglycerin	96	99	76 - 116	4	20		
Tetryl	88	83	63 - 120	6	20		
1,3,5-Trinitrobenzene	104	100	81 - 121	3	20		
PETN	100	91	76 - 116	9	20		M
2,4,6-Trinitrotoluene	85	81	65 - 105	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
3,4-Dinitrotoluene	98	94	78 - 118

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6559

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	240-17796-2	Units:	mg/Kg	MSD Lab Sample ID:	240-17796-2
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/11/2012 1848			Analysis Date:	12/11/2012 1928
Prep Date:	11/29/2012 0810			Prep Date:	11/29/2012 0810
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
1,3-Dinitrobenzene	0.050	U	0.498	0.501	0.518	0.516	
2,4-Dinitrotoluene	0.050	U	0.498	0.501	0.506	0.495	
2,6-Dinitrotoluene	0.050	U	0.498	0.501	0.513	0.492	
2-Amino-4,6-dinitrotoluene	0.050	U	0.498	0.501	0.518	0.490	
2-Nitrotoluene	0.050	U	0.498	0.501	0.469	0.470	
4-Amino-2,6-dinitrotoluene	0.050	U	0.498	0.501	0.527	0.501	
3-Nitrotoluene	0.050	U	0.498	0.501	0.485	0.484	
HMX	0.050	U	0.498	0.501	0.497	0.498	
4-Nitrotoluene	0.050	U	0.498	0.501	0.481	0.493	
Nitrobenzene	0.050	U	0.498	0.501	0.508	0.490	
RDX	0.050	U	0.498	0.501	0.464	0.439	
Nitroglycerin	0.25	U	0.995	1.00	0.954	0.992	
Tetryl	0.050	U	0.498	0.501	0.438	0.413	
1,3,5-Trinitrobenzene	0.050	U	0.498	0.501	0.517	0.503	
PETN	0.25	U	0.995	1.00	0.997	0.909	M
2,4,6-Trinitrotoluene	0.050	U	0.498	0.501	0.421	0.406	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66568

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-66568/1-A	Analysis Batch:	240-68088	Instrument ID:	I8
Client Matrix:	Water	Prep Batch:	240-66568	Lab File ID:	I8121012A.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1022	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/28/2012 0945				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	60	U	20	60
Antimony	0.50	U	0.21	2.0
Arsenic	1.0	U	0.44	5.0
Barium	4.0	U	1.6	5.0
Beryllium	0.50	U	0.50	1.0
Cadmium	0.40	U	0.40	2.0
Calcium	1000	U	540	2000
Chromium	1.5	U	0.53	2.0
Cobalt	0.20	U	0.20	1.0
Copper	4.0	U	1.4	4.0
Iron	100	U	44	150
Lead	0.50	U	0.20	1.0
Magnesium	300	U	120	1000
Manganese	3.0	U	1.1	5.0
Nickel	1.5	U	0.62	5.0
Potassium	50	U	16	1000
Selenium	0.50	U	0.20	5.0
Silver	0.25	U	0.080	1.0
Sodium	400	U	160	1000
Thallium	0.326	J	0.32	2.0
Vanadium	1.5	U	0.51	5.0
Zinc	20	U	8.8	40

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Control Sample - Batch: 240-66568

Method: 6020/DOD
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-66568/2-A	Analysis Batch:	240-68088	Instrument ID:	I8
Client Matrix:	Water	Prep Batch:	240-66568	Lab File ID:	I8121012A.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	12/10/2012 1027	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/28/2012 0945				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10000	9860	99	80 - 120	
Antimony	100	98.0	98	80 - 120	
Arsenic	1000	960	96	80 - 120	
Barium	1000	963	96	80 - 120	
Beryllium	1000	988	99	80 - 120	
Cadmium	1000	1010	101	80 - 120	
Calcium	10000	10200	102	80 - 120	
Chromium	1000	986	99	80 - 120	
Cobalt	1000	959	96	80 - 120	
Copper	1000	1020	102	80 - 120	
Iron	10000	9940	99	80 - 120	
Lead	1000	994	99	80 - 120	
Magnesium	10000	10300	103	80 - 120	
Manganese	1000	1020	102	80 - 120	
Nickel	1000	1010	101	80 - 120	
Potassium	10000	10000	100	80 - 120	
Selenium	1000	965	97	80 - 120	
Silver	100	105	105	80 - 120	
Sodium	10000	9830	98	80 - 120	
Thallium	250	229	91	80 - 120	
Vanadium	1000	942	94	80 - 120	
Zinc	1000	1030	103	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66219

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	MB 240-66219/1-A	Analysis Batch:	240-66485	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1550	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	0.20	U	0.12	0.20

Lab Control Sample - Batch: 240-66219

Method: 7470A/DOD
Preparation: 7470A

Lab Sample ID:	LCS 240-66219/2-A	Analysis Batch:	240-66485	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-66219	Lab File ID:	112712A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	11/27/2012 1557	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	11/26/2012 1525				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.11	102	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-66416

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	MB 240-66416/1-A	Analysis Batch:	240-67078	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/30/2012 1617	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hg	0.033	U	0.014	0.10

Lab Control Sample - Batch: 240-66416

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	LCS 240-66416/2-A	Analysis Batch:	240-67078	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/30/2012 1619	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.833	0.768	92	80 - 120	

Matrix Spike - Batch: 240-66416

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-17796-1	Analysis Batch:	240-67078	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.61 g
Analysis Date:	11/30/2012 1623	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.033	J	0.164	0.194	98	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Duplicate - Batch: 240-66416

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-17796-1	Analysis Batch:	240-67078	Instrument ID:	H1
Client Matrix:	Solid	Prep Batch:	240-66416	Lab File ID:	113012A-HG1.PRN
Dilution:	1.0	Leach Batch:	240-65981	Initial Weight/Volume:	0.61 g
Analysis Date:	11/30/2012 1622	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/27/2012 1425				
Leach Date:	11/21/2012 1000				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Hg	0.033	J	0.0383	16		J

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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	

Matrix Spike - Batch: 240-66624

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-17796-26	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:	240-65981	Initial Weight/Volume:	0.52 g
Analysis Date:	11/30/2012 1706	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/21/2012 1000				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.023	J	0.192	0.190	87	80 - 120	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Duplicate - Batch: 240-66624

Method: 7471/DOD
Preparation: 7471A

Lab Sample ID:	240-17796-26	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:	240-65981	Initial Weight/Volume:	0.52 g
Analysis Date:	11/30/2012 1704	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/28/2012 1455				
Leach Date:	11/21/2012 1000				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Hg	0.023	J	0.0283	21		J

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 240-67293

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 240-67293/9-A	Analysis Batch:	240-67491	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-67293	Lab File ID:	67293.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	12/05/2012 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/04/2012 1500				
Leach Date:	N/A				

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

Lab Control Sample Insoluble - Batch: 240-67293

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 240-67293/11-A	Analysis Batch:	240-67491	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-67293	Lab File ID:	67293.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	12/05/2012 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/04/2012 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	643	651	101	75 - 125	

Lab Control Sample Soluble - Batch: 240-67293

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSS 240-67293/10-A	Analysis Batch:	240-67491	Instrument ID:	ERNIE-CR
Client Matrix:	Solid	Prep Batch:	240-67293	Lab File ID:	67293.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	12/05/2012 0000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	12/04/2012 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	20.0	19.4	97	90 - 110	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Duplicate - Batch: 240-66082 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-17796-1	Analysis Batch:	240-66082	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:	11/23/2012 1025	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	89	89	0.07	20	
Percent Moisture	11	11	0.6	20	

Duplicate - Batch: 240-66082 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-17796-10	Analysis Batch:	240-66082	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:	11/23/2012 1025	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	98	98	0.007	20	
Percent Moisture	1.8	1.8	0.4	20	

Duplicate - Batch: 240-66082 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-17796-24	Analysis Batch:	240-66082	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:	11/23/2012 1025	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	85	0.02	20	
Percent Moisture	15	15	0.1	20	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Duplicate - Batch: 240-66082

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-17796-33	Analysis Batch:	240-66082	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:	11/23/2012 1025	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	98	98	0.01	20	
Percent Moisture	1.8	1.8	0.7	20	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 320-6966

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	MB 320-6877/1-B	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	320-6966	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/06/2012 1356	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	12/06/2012 0641				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	1.0	U	0.48	2.0

Lab Control Sample - Batch: 320-6966

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	LCS 320-6877/2-B	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	320-6966	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/06/2012 1358	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	12/06/2012 0641				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	5.10	4.41	87	26 - 144	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6966

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

MS Lab Sample ID:	240-17796-17	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	320-6966	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/06/2012 1406			Final Weight/Volume:	40 mL
Prep Date:	12/06/2012 0641				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17796-17	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	320-6966	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/06/2012 1408			Final Weight/Volume:	40 mL
Prep Date:	12/06/2012 0641				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrocellulose	91	86	26 - 144	6	45		

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6966

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

MS Lab Sample ID:	240-17796-17	Units:	mg/L	MSD Lab Sample ID:	240-17796-17
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/06/2012 1406			Analysis Date:	12/06/2012 1408
Prep Date:	12/06/2012 0641			Prep Date:	12/06/2012 0641
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrocellulose	1.0	U	5.10	5.10	4.67	4.39

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Blank - Batch: 320-6967

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	MB 320-6938/1-B	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-6967	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/06/2012 1250	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	12/06/2012 0713				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrocellulose	1.8	U	0.78	5.0

Lab Control Sample - Batch: 320-6967

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

Lab Sample ID:	LCS 320-6938/2-B	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-6967	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/06/2012 1252	Units:	mg/Kg	Final Weight/Volume:	40 mL
Prep Date:	12/06/2012 0713				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	51.0	20.1	39	34 - 115	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6967

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

MS Lab Sample ID:	240-17796-2	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-6967	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/06/2012 1256			Final Weight/Volume:	40 mL
Prep Date:	12/06/2012 0713				
Leach Date:	N/A				

MSD Lab Sample ID:	240-17796-2	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	320-6967	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	45 mL
Analysis Date:	12/06/2012 1258			Final Weight/Volume:	40 mL
Prep Date:	12/06/2012 0713				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrocellulose	31	28	34 - 115	12	71	J	J

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 320-6967

Method: WS-WC-0050
Preparation: 353 (NCell-Hyd)

MS Lab Sample ID:	240-17796-2	Units: mg/Kg	MSD Lab Sample ID:	240-17796-2	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/06/2012 1256		Analysis Date:	12/06/2012 1258	
Prep Date:	12/06/2012 0713		Prep Date:	12/06/2012 0713	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Nitrocellulose	17	U	500	486	155	J	138	J

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 320-7008 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-7008/10	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	12/06/2012 1240	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.424	1.0	101	70 - 130	U

Method Reporting Limit Check - Batch: 320-7008 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-7008/20	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	12/06/2012 1300	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.424	1.0	91	70 - 130	U

Method Reporting Limit Check - Batch: 320-7008 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-7008/34	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	12/06/2012 1328	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.424	1.0	97	70 - 130	U

Method Reporting Limit Check - Batch: 320-7008 **Method: WS-WC-0050**
Preparation: N/A

Lab Sample ID:	MRL 320-7008/44	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	12/06/2012 1348	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.424	1.0	105	70 - 130	U

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Method Reporting Limit Check - Batch: 320-7008

Method: WS-WC-0050
Preparation: N/A

Lab Sample ID:	MRL 320-7008/58	Analysis Batch:	320-7008	Instrument ID:	FS4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120612A.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	12/06/2012 1416	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrocellulose	0.424	1.0	91	70 - 130	U

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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.
	H	Sample was prepped or analyzed beyond the specified holding time
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.
GC VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	^	Instrument related QC exceeds the control limits
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	H	Sample was prepped or analyzed beyond the specified holding time
	U	Undetected at the Limit of Detection.

DATA REPORTING QUALIFIERS

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Lab Section	Qualifier	Description
HPLC/IC		
	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.
	M	Manual integrated compound.
	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 quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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	
240-17796-20	076-0067-0001-ER	T	Water	8260B/DoD	
240-17796-20MS	Matrix Spike	T	Water	8260B/DoD	
240-17796-20MSD	Matrix Spike Duplicate	T	Water	8260B/DoD	
240-17796-21	076-0068-0001-TB	T	Water	8260B/DoD	
240-17796-37	076SB-0052-0001-TB	T	Water	8260B/DoD	
Prep Batch: 240-66118					
240-17796-1	076SB-0023M-0001-SO	T	Solid	5035	
240-17796-3	076SB-0024M-0001-SO	T	Solid	5035	
240-17796-4	076SB-0025M-0001-SO	T	Solid	5035	
240-17796-5	076SB-0026M-0001-SO	T	Solid	5035	
240-17796-6	076SB-0027M-0001-SO	T	Solid	5035	
240-17796-7	076SB-0028M-0001-SO	T	Solid	5035	
240-17796-8	076SB-0029M-0001-SO	T	Solid	5035	
240-17796-22	076SB-0060M-0001-SO	T	Solid	5035	
240-17796-23	076SB-0061M-0001-SO	T	Solid	5035	
240-17796-24	076SB-0062M-0001-SO	T	Solid	5035	
240-17796-25	076SB-0063M-0001-SO	T	Solid	5035	
240-17796-26	076SB-0064M-0001-SO	T	Solid	5035	
240-17796-27	076SB-0065M-0001-SO	T	Solid	5035	
240-17796-28	076SB-0066M-0001-SO	T	Solid	5035	
Analysis Batch:240-66239					
LCS 240-66239/7	Lab Control Sample	T	Solid	8260B/DoD	
MB 240-66239/8	Method Blank	T	Solid	8260B/DoD	
240-17796-1	076SB-0023M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-3	076SB-0024M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-4	076SB-0025M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-5	076SB-0026M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-6	076SB-0027M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-7	076SB-0028M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-8	076SB-0029M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-22	076SB-0060M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-23	076SB-0061M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-24	076SB-0062M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-25	076SB-0063M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-26	076SB-0064M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-27	076SB-0065M-0001-SO	T	Solid	8260B/DoD	240-66118
240-17796-28	076SB-0066M-0001-SO	T	Solid	8260B/DoD	240-66118

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-65893					
LCS 240-65893/6-A	Lab Control Sample	T	Water	3520C	
MB 240-65893/5-A	Method Blank	T	Water	3520C	
240-17796-20	076-0067-0001-ER	T	Water	3520C	
Prep Batch: 240-65981					
240-17796-1	076SB-0023M-0001-SO	T	Solid	Increment, Prep	
240-17796-2	076SS-0022M-0001-SO	T	Solid	Increment, Prep	
240-17796-3	076SB-0024M-0001-SO	T	Solid	Increment, Prep	
240-17796-4	076SB-0025M-0001-SO	T	Solid	Increment, Prep	
240-17796-5	076SB-0026M-0001-SO	T	Solid	Increment, Prep	
240-17796-6	076SB-0027M-0001-SO	T	Solid	Increment, Prep	
240-17796-7	076SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-17796-8	076SB-0029M-0001-SO	T	Solid	Increment, Prep	
240-17796-9	076SB-0053M-0001-SO	T	Solid	Increment, Prep	
240-17796-10	076SS-0007M-0001-SO	T	Solid	Increment, Prep	
240-17796-11	076SB-0054M-0001-SO	T	Solid	Increment, Prep	
240-17796-12	076SB-0055M-0001-SO	T	Solid	Increment, Prep	
240-17796-13	076SB-0056M-0001-SO	T	Solid	Increment, Prep	
240-17796-14	076SB-0057M-0001-SO	T	Solid	Increment, Prep	
240-17796-15	076SB-0058M-0001-SO	T	Solid	Increment, Prep	
240-17796-16	076SB-0059M-0001-SO	T	Solid	Increment, Prep	
240-17796-22	076SB-0060M-0001-SO	T	Solid	Increment, Prep	
240-17796-23	076SB-0061M-0001-SO	T	Solid	Increment, Prep	
240-17796-24	076SB-0062M-0001-SO	T	Solid	Increment, Prep	
240-17796-25	076SB-0063M-0001-SO	T	Solid	Increment, Prep	
240-17796-25MS	Matrix Spike	T	Solid	Increment, Prep	
240-17796-25MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
240-17796-26	076SB-0064M-0001-SO	T	Solid	Increment, Prep	
240-17796-27	076SB-0065M-0001-SO	T	Solid	Increment, Prep	
240-17796-28	076SB-0066M-0001-SO	T	Solid	Increment, Prep	
240-17796-29	076SB-0044M-0001-SO	T	Solid	Increment, Prep	
240-17796-30	076SB-0045M-0001-SO	T	Solid	Increment, Prep	
240-17796-31	076SB-0046M-0001-SO	T	Solid	Increment, Prep	
240-17796-32	076SB-0047M-0001-SO	T	Solid	Increment, Prep	
240-17796-33	076SB-0048M-0001-SO	T	Solid	Increment, Prep	
240-17796-33RE	076SB-0048M-0001-SO	T	Solid	Increment, Prep	
240-17796-34	076SB-0049M-0001-SO	T	Solid	Increment, Prep	
240-17796-35	076SB-0050M-0001-SO	T	Solid	Increment, Prep	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-66393					
LCS 240-66393/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-66393/23-A	Method Blank	T	Solid	3540C	
240-17796-1	076SB-0023M-0001-SO	T	Solid	3540C	240-65981
240-17796-2	076SS-0022M-0001-SO	T	Solid	3540C	240-65981
240-17796-3	076SB-0024M-0001-SO	T	Solid	3540C	240-65981
240-17796-4	076SB-0025M-0001-SO	T	Solid	3540C	240-65981
240-17796-5	076SB-0026M-0001-SO	T	Solid	3540C	240-65981
240-17796-6	076SB-0027M-0001-SO	T	Solid	3540C	240-65981
240-17796-7	076SB-0028M-0001-SO	T	Solid	3540C	240-65981
240-17796-8	076SB-0029M-0001-SO	T	Solid	3540C	240-65981
240-17796-9	076SB-0053M-0001-SO	T	Solid	3540C	240-65981
240-17796-10	076SS-0007M-0001-SO	T	Solid	3540C	240-65981
240-17796-11	076SB-0054M-0001-SO	T	Solid	3540C	240-65981
240-17796-12	076SB-0055M-0001-SO	T	Solid	3540C	240-65981
240-17796-13	076SB-0056M-0001-SO	T	Solid	3540C	240-65981
240-17796-14	076SB-0057M-0001-SO	T	Solid	3540C	240-65981
240-17796-15	076SB-0058M-0001-SO	T	Solid	3540C	240-65981
240-17796-16	076SB-0059M-0001-SO	T	Solid	3540C	240-65981
240-17796-22	076SB-0060M-0001-SO	T	Solid	3540C	240-65981
240-17796-23	076SB-0061M-0001-SO	T	Solid	3540C	240-65981
240-17796-24	076SB-0062M-0001-SO	T	Solid	3540C	240-65981
240-17796-25	076SB-0063M-0001-SO	T	Solid	3540C	240-65981
240-17796-25MS	Matrix Spike	T	Solid	3540C	240-65981
240-17796-25MSD	Matrix Spike Duplicate	T	Solid	3540C	240-65981
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	
240-17796-26	076SB-0064M-0001-SO	T	Solid	3540C	240-65981
240-17796-27	076SB-0065M-0001-SO	T	Solid	3540C	240-65981
240-17796-28	076SB-0066M-0001-SO	T	Solid	3540C	240-65981
240-17796-29	076SB-0044M-0001-SO	T	Solid	3540C	240-65981
240-17796-30	076SB-0045M-0001-SO	T	Solid	3540C	240-65981
240-17796-31	076SB-0046M-0001-SO	T	Solid	3540C	240-65981
240-17796-32	076SB-0047M-0001-SO	T	Solid	3540C	240-65981
240-17796-34	076SB-0049M-0001-SO	T	Solid	3540C	240-65981
240-17796-35	076SB-0050M-0001-SO	T	Solid	3540C	240-65981
240-17796-36	076SB-0051M-0001-SO	T	Solid	3540C	
Analysis Batch:240-66717					
LCS 240-65893/6-A	Lab Control Sample	T	Water	8270C/DoD	240-65893
MB 240-65893/5-A	Method Blank	T	Water	8270C/DoD	240-65893
240-17796-20	076-0067-0001-ER	T	Water	8270C/DoD	240-65893

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-66734					
LCS 240-66734/5-A	Lab Control Sample	T	Solid	3540C	
MB 240-66734/4-A	Method Blank	T	Solid	3540C	
240-17796-33	076SB-0048M-0001-SO	T	Solid	3540C	240-65981
Analysis Batch:240-67225					
LCS 240-66393/24-A	Lab Control Sample	T	Solid	8270C/DoD	240-66393
MB 240-66393/23-A	Method Blank	T	Solid	8270C/DoD	240-66393
240-17796-1	076SB-0023M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-2	076SS-0022M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-5	076SB-0026M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-6	076SB-0027M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-8	076SB-0029M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-10	076SS-0007M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-11	076SB-0054M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-12	076SB-0055M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-13	076SB-0056M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-14	076SB-0057M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-15	076SB-0058M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-16	076SB-0059M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-22	076SB-0060M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-24	076SB-0062M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-25	076SB-0063M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-25MS	Matrix Spike	T	Solid	8270C/DoD	240-66393
240-17796-25MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	240-66393
Analysis Batch:240-67368					
LCS 240-66734/5-A	Lab Control Sample	T	Solid	8270C/DoD	240-66734
MB 240-66734/4-A	Method Blank	T	Solid	8270C/DoD	240-66734
240-17796-33	076SB-0048M-0001-SO	T	Solid	8270C/DoD	240-66734
Analysis Batch:240-67390					
240-17796-3	076SB-0024M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-4	076SB-0025M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-7	076SB-0028M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-9	076SB-0053M-0001-SO	T	Solid	8270C/DoD	240-66393
240-17796-23	076SB-0061M-0001-SO	T	Solid	8270C/DoD	240-66393

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
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
240-17796-26	076SB-0064M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17796-27	076SB-0065M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17796-28	076SB-0066M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17796-29	076SB-0044M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17796-30	076SB-0045M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17796-31	076SB-0046M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17796-32	076SB-0047M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17796-34	076SB-0049M-0001-SO	T	Solid	8270C/DoD	240-66569
240-17796-35	076SB-0050M-0001-SO	T	Solid	8270C/DoD	240-66569
Prep Batch: 240-67600					
LCS 240-67600/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-67600/22-A	Method Blank	T	Solid	3540C	
240-17796-33RE	076SB-0048M-0001-SO	T	Solid	3540C	240-65981
Analysis Batch:240-67761					
240-17796-36	076SB-0051M-0001-SO	T	Solid	8270C/DoD	240-66569
Analysis Batch:240-68148					
LCS 240-67600/23-A	Lab Control Sample	T	Solid	8270C/DoD	240-67600
MB 240-67600/22-A	Method Blank	T	Solid	8270C/DoD	240-67600
240-17796-33RE	076SB-0048M-0001-SO	T	Solid	8270C/DoD	240-67600

Report Basis
T = Total

GC VOA

Analysis Batch:240-66387					
LCS 240-66387/46	Lab Control Sample	T	Water	8015B	
MB 240-66387/45	Method Blank	T	Water	8015B	
240-17796-20	076-0067-0001-ER	T	Water	8015B	
240-17796-20MS	Matrix Spike	T	Water	8015B	
240-17796-20MSD	Matrix Spike Duplicate	T	Water	8015B	

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-65729					
LCS 240-65729/5-A	Lab Control Sample	T	Water	8151A	
MB 240-65729/4-A	Method Blank	T	Water	8151A	
240-17796-20	076-0067-0001-ER	T	Water	8151A	
Prep Batch: 240-65899					
LCS 240-65899/9-A	Lab Control Sample	T	Water	3520C	
MB 240-65899/8-A	Method Blank	T	Water	3520C	
240-17796-18	076SW-0014-0001-SW	T	Water	3520C	
240-17796-19	076SW-0015-0001-SW	T	Water	3520C	
240-17796-20	076-0067-0001-ER	T	Water	3520C	
Prep Batch: 240-65900					
LCS 240-65900/10-A	Lab Control Sample	T	Water	3520C	
MB 240-65900/9-A	Method Blank	T	Water	3520C	
240-17796-20	076-0067-0001-ER	T	Water	3520C	
Prep Batch: 240-65981					
240-17796-9	076SB-0053M-0001-SO	T	Solid	Increment, Prep	
240-17796-10	076SS-0007M-0001-SO	T	Solid	Increment, Prep	
240-17796-11	076SB-0054M-0001-SO	T	Solid	Increment, Prep	
240-17796-12	076SB-0055M-0001-SO	T	Solid	Increment, Prep	
240-17796-13	076SB-0056M-0001-SO	T	Solid	Increment, Prep	
240-17796-14	076SB-0057M-0001-SO	T	Solid	Increment, Prep	
240-17796-15	076SB-0058M-0001-SO	T	Solid	Increment, Prep	
240-17796-16	076SB-0059M-0001-SO	T	Solid	Increment, Prep	
240-17796-16MS	Matrix Spike	T	Solid	Increment, Prep	
240-17796-16MSD	Matrix Spike Duplicate	T	Solid	Increment, Prep	
Analysis Batch:240-66171					
LCS 240-65899/9-A	Lab Control Sample	T	Water	8082/DOD	240-65899
MB 240-65899/8-A	Method Blank	T	Water	8082/DOD	240-65899
240-17796-18	076SW-0014-0001-SW	T	Water	8082/DOD	240-65899
240-17796-19	076SW-0015-0001-SW	T	Water	8082/DOD	240-65899
240-17796-20	076-0067-0001-ER	T	Water	8082/DOD	240-65899
Prep Batch: 240-66426					
LCS 240-66426/5-A	Lab Control Sample	T	Water	3520C	
MB 240-66426/4-A	Method Blank	T	Water	3520C	
240-17796-17	076SW-0013-0001-SW	T	Water	3520C	
240-17796-17MS	Matrix Spike	T	Water	3520C	
240-17796-17MSD	Matrix Spike Duplicate	T	Water	3520C	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-66500					
LCS 240-65900/10-A	Lab Control Sample	T	Water	8081/DOD	240-65900
MB 240-65900/9-A	Method Blank	T	Water	8081/DOD	240-65900
240-17796-20	076-0067-0001-ER	T	Water	8081/DOD	240-65900
Prep Batch: 240-66777					
LCS 240-66777/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-66777/20-A	Method Blank	T	Solid	3540C	
240-17796-9	076SB-0053M-0001-SO	T	Solid	3540C	240-65981
240-17796-10	076SS-0007M-0001-SO	T	Solid	3540C	240-65981
240-17796-11	076SB-0054M-0001-SO	T	Solid	3540C	240-65981
240-17796-12	076SB-0055M-0001-SO	T	Solid	3540C	240-65981
240-17796-13	076SB-0056M-0001-SO	T	Solid	3540C	240-65981
240-17796-14	076SB-0057M-0001-SO	T	Solid	3540C	240-65981
240-17796-15	076SB-0058M-0001-SO	T	Solid	3540C	240-65981
240-17796-16	076SB-0059M-0001-SO	T	Solid	3540C	240-65981
240-17796-16MS	Matrix Spike	T	Solid	3540C	240-65981
240-17796-16MSD	Matrix Spike Duplicate	T	Solid	3540C	240-65981
Analysis Batch:240-66802					
LCS 240-66426/5-A	Lab Control Sample	T	Water	8082/DOD	240-66426
MB 240-66426/4-A	Method Blank	T	Water	8082/DOD	240-66426
240-17796-17	076SW-0013-0001-SW	T	Water	8082/DOD	240-66426
240-17796-17MS	Matrix Spike	T	Water	8082/DOD	240-66426
240-17796-17MSD	Matrix Spike Duplicate	T	Water	8082/DOD	240-66426
Analysis Batch:240-67147					
LCS 240-65729/5-A	Lab Control Sample	T	Water	8151/DOD	240-65729
MB 240-65729/4-A	Method Blank	T	Water	8151/DOD	240-65729
240-17796-20	076-0067-0001-ER	T	Water	8151/DOD	240-65729
Analysis Batch:240-67173					
LCS 240-66777/21-A	Lab Control Sample	T	Solid	8082/DOD	240-66777
MB 240-66777/20-A	Method Blank	T	Solid	8082/DOD	240-66777
240-17796-9	076SB-0053M-0001-SO	T	Solid	8082/DOD	240-66777
240-17796-10	076SS-0007M-0001-SO	T	Solid	8082/DOD	240-66777
240-17796-11	076SB-0054M-0001-SO	T	Solid	8082/DOD	240-66777
240-17796-12	076SB-0055M-0001-SO	T	Solid	8082/DOD	240-66777
240-17796-13	076SB-0056M-0001-SO	T	Solid	8082/DOD	240-66777
240-17796-14	076SB-0057M-0001-SO	T	Solid	8082/DOD	240-66777
240-17796-15	076SB-0058M-0001-SO	T	Solid	8082/DOD	240-66777
240-17796-16	076SB-0059M-0001-SO	T	Solid	8082/DOD	240-66777
240-17796-16MS	Matrix Spike	T	Solid	8082/DOD	240-66777
240-17796-16MSD	Matrix Spike Duplicate	T	Solid	8082/DOD	240-66777

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-65981					
240-17796-1	076SB-0023M-0001-SO	T	Solid	Increment, Prep	
240-17796-1DU	Duplicate	T	Solid	Increment, Prep	
240-17796-1MS	Matrix Spike	T	Solid	Increment, Prep	
240-17796-2	076SS-0022M-0001-SO	T	Solid	Increment, Prep	
240-17796-3	076SB-0024M-0001-SO	T	Solid	Increment, Prep	
240-17796-4	076SB-0025M-0001-SO	T	Solid	Increment, Prep	
240-17796-5	076SB-0026M-0001-SO	T	Solid	Increment, Prep	
240-17796-6	076SB-0027M-0001-SO	T	Solid	Increment, Prep	
240-17796-7	076SB-0028M-0001-SO	T	Solid	Increment, Prep	
240-17796-8	076SB-0029M-0001-SO	T	Solid	Increment, Prep	
240-17796-9	076SB-0053M-0001-SO	T	Solid	Increment, Prep	
240-17796-10	076SS-0007M-0001-SO	T	Solid	Increment, Prep	
240-17796-11	076SB-0054M-0001-SO	T	Solid	Increment, Prep	
240-17796-12	076SB-0055M-0001-SO	T	Solid	Increment, Prep	
240-17796-13	076SB-0056M-0001-SO	T	Solid	Increment, Prep	
240-17796-14	076SB-0057M-0001-SO	T	Solid	Increment, Prep	
240-17796-15	076SB-0058M-0001-SO	T	Solid	Increment, Prep	
240-17796-16	076SB-0059M-0001-SO	T	Solid	Increment, Prep	
240-17796-22	076SB-0060M-0001-SO	T	Solid	Increment, Prep	
240-17796-23	076SB-0061M-0001-SO	T	Solid	Increment, Prep	
240-17796-24	076SB-0062M-0001-SO	T	Solid	Increment, Prep	
240-17796-25	076SB-0063M-0001-SO	T	Solid	Increment, Prep	
240-17796-26	076SB-0064M-0001-SO	T	Solid	Increment, Prep	
240-17796-26DU	Duplicate	T	Solid	Increment, Prep	
240-17796-26MS	Matrix Spike	T	Solid	Increment, Prep	
240-17796-27	076SB-0065M-0001-SO	T	Solid	Increment, Prep	
240-17796-28	076SB-0066M-0001-SO	T	Solid	Increment, Prep	
Prep Batch: 240-66219					
LCS 240-66219/2-A	Lab Control Sample	T	Water	7470A	
MB 240-66219/1-A	Method Blank	T	Water	7470A	
240-17796-20	076-0067-0001-ER	T	Water	7470A	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-66416					
LCS 240-66416/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-66416/1-A	Method Blank	T	Solid	7471A	
240-17796-1	076SB-0023M-0001-SO	T	Solid	7471A	240-65981
240-17796-1DU	Duplicate	T	Solid	7471A	240-65981
240-17796-1MS	Matrix Spike	T	Solid	7471A	240-65981
240-17796-2	076SS-0022M-0001-SO	T	Solid	7471A	240-65981
240-17796-3	076SB-0024M-0001-SO	T	Solid	7471A	240-65981
240-17796-4	076SB-0025M-0001-SO	T	Solid	7471A	240-65981
240-17796-5	076SB-0026M-0001-SO	T	Solid	7471A	240-65981
240-17796-6	076SB-0027M-0001-SO	T	Solid	7471A	240-65981
240-17796-7	076SB-0028M-0001-SO	T	Solid	7471A	240-65981
240-17796-8	076SB-0029M-0001-SO	T	Solid	7471A	240-65981
240-17796-9	076SB-0053M-0001-SO	T	Solid	7471A	240-65981
240-17796-10	076SS-0007M-0001-SO	T	Solid	7471A	240-65981
240-17796-11	076SB-0054M-0001-SO	T	Solid	7471A	240-65981
240-17796-12	076SB-0055M-0001-SO	T	Solid	7471A	240-65981
240-17796-13	076SB-0056M-0001-SO	T	Solid	7471A	240-65981
240-17796-14	076SB-0057M-0001-SO	T	Solid	7471A	240-65981
240-17796-15	076SB-0058M-0001-SO	T	Solid	7471A	240-65981
240-17796-16	076SB-0059M-0001-SO	T	Solid	7471A	240-65981
240-17796-22	076SB-0060M-0001-SO	T	Solid	7471A	240-65981
240-17796-23	076SB-0061M-0001-SO	T	Solid	7471A	240-65981
240-17796-24	076SB-0062M-0001-SO	T	Solid	7471A	240-65981
240-17796-25	076SB-0063M-0001-SO	T	Solid	7471A	240-65981
Analysis Batch:240-66485					
LCS 240-66219/2-A	Lab Control Sample	T	Water	7470A/DOD	240-66219
MB 240-66219/1-A	Method Blank	T	Water	7470A/DOD	240-66219
240-17796-20	076-0067-0001-ER	T	Water	7470A/DOD	240-66219
Prep Batch: 240-66568					
LCS 240-66568/2-A	Lab Control Sample	R	Water	3005A	
MB 240-66568/1-A	Method Blank	R	Water	3005A	
240-17796-20	076-0067-0001-ER	R	Water	3005A	
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	
240-17796-26	076SB-0064M-0001-SO	T	Solid	7471A	240-65981
240-17796-26DU	Duplicate	T	Solid	7471A	240-65981
240-17796-26MS	Matrix Spike	T	Solid	7471A	240-65981
240-17796-27	076SB-0065M-0001-SO	T	Solid	7471A	240-65981
240-17796-28	076SB-0066M-0001-SO	T	Solid	7471A	240-65981

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-67078					
LCS 240-66416/2-A	Lab Control Sample	T	Solid	7471/DOD	240-66416
MB 240-66416/1-A	Method Blank	T	Solid	7471/DOD	240-66416
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
240-17796-1	076SB-0023M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-1DU	Duplicate	T	Solid	7471/DOD	240-66416
240-17796-1MS	Matrix Spike	T	Solid	7471/DOD	240-66416
240-17796-2	076SS-0022M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-3	076SB-0024M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-4	076SB-0025M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-5	076SB-0026M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-6	076SB-0027M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-7	076SB-0028M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-8	076SB-0029M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-9	076SB-0053M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-10	076SS-0007M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-11	076SB-0054M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-12	076SB-0055M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-13	076SB-0056M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-14	076SB-0057M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-15	076SB-0058M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-16	076SB-0059M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-22	076SB-0060M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-23	076SB-0061M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-24	076SB-0062M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-25	076SB-0063M-0001-SO	T	Solid	7471/DOD	240-66416
240-17796-26	076SB-0064M-0001-SO	T	Solid	7471/DOD	240-66624
240-17796-26DU	Duplicate	T	Solid	7471/DOD	240-66624
240-17796-26MS	Matrix Spike	T	Solid	7471/DOD	240-66624
240-17796-27	076SB-0065M-0001-SO	T	Solid	7471/DOD	240-66624
240-17796-28	076SB-0066M-0001-SO	T	Solid	7471/DOD	240-66624
Analysis Batch:240-68088					
LCS 240-66568/2-A	Lab Control Sample	R	Water	6020/DOD	240-66568
MB 240-66568/1-A	Method Blank	R	Water	6020/DOD	240-66568
240-17796-20	076-0067-0001-ER	R	Water	6020/DOD	240-66568

Report Basis

R = Total Recoverable

T = Total

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 320-6966					
LCS 320-6877/2-B	Lab Control Sample	T	Water	353 (NCell-Hyd)	
MB 320-6877/1-B	Method Blank	T	Water	353 (NCell-Hyd)	
240-17796-17	076SW-0013-0001-SW	T	Water	353 (NCell-Hyd)	
240-17796-17MS	Matrix Spike	T	Water	353 (NCell-Hyd)	
240-17796-17MSD	Matrix Spike Duplicate	T	Water	353 (NCell-Hyd)	
240-17796-18	076SW-0014-0001-SW	T	Water	353 (NCell-Hyd)	
240-17796-19	076SW-0015-0001-SW	T	Water	353 (NCell-Hyd)	
240-17796-20	076-0067-0001-ER	T	Water	353 (NCell-Hyd)	
Prep Batch: 320-6967					
LCS 320-6938/2-B	Lab Control Sample	T	Solid	353 (NCell-Hyd)	
MB 320-6938/1-B	Method Blank	T	Solid	353 (NCell-Hyd)	
240-17796-2	076SS-0022M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-2MS	Matrix Spike	T	Solid	353 (NCell-Hyd)	
240-17796-2MSD	Matrix Spike Duplicate	T	Solid	353 (NCell-Hyd)	
240-17796-9	076SB-0053M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-10	076SS-0007M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-11	076SB-0054M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-12	076SB-0055M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-13	076SB-0056M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-14	076SB-0057M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-15	076SB-0058M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-16	076SB-0059M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-29	076SB-0044M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-30	076SB-0045M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-31	076SB-0046M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-32	076SB-0047M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-33	076SB-0048M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-34	076SB-0049M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-35	076SB-0050M-0001-SO	T	Solid	353 (NCell-Hyd)	
240-17796-36	076SB-0051M-0001-SO	T	Solid	353 (NCell-Hyd)	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:320-7008					
LCS 320-6877/2-B	Lab Control Sample	T	Water	WS-WC-0050	320-6966
MB 320-6877/1-B	Method Blank	T	Water	WS-WC-0050	320-6966
LCS 320-6938/2-B	Lab Control Sample	T	Solid	WS-WC-0050	320-6967
MB 320-6938/1-B	Method Blank	T	Solid	WS-WC-0050	320-6967
240-17796-2	076SS-0022M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-2MS	Matrix Spike	T	Solid	WS-WC-0050	320-6967
240-17796-2MSD	Matrix Spike Duplicate	T	Solid	WS-WC-0050	320-6967
240-17796-9	076SB-0053M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-10	076SS-0007M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-11	076SB-0054M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-12	076SB-0055M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-13	076SB-0056M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-14	076SB-0057M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-15	076SB-0058M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-16	076SB-0059M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-17	076SW-0013-0001-SW	T	Water	WS-WC-0050	320-6966
240-17796-17MS	Matrix Spike	T	Water	WS-WC-0050	320-6966
240-17796-17MSD	Matrix Spike Duplicate	T	Water	WS-WC-0050	320-6966
240-17796-18	076SW-0014-0001-SW	T	Water	WS-WC-0050	320-6966
240-17796-19	076SW-0015-0001-SW	T	Water	WS-WC-0050	320-6966
240-17796-20	076-0067-0001-ER	T	Water	WS-WC-0050	320-6966
240-17796-29	076SB-0044M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-30	076SB-0045M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-31	076SB-0046M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-32	076SB-0047M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-33	076SB-0048M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-34	076SB-0049M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-35	076SB-0050M-0001-SO	T	Solid	WS-WC-0050	320-6967
240-17796-36	076SB-0051M-0001-SO	T	Solid	WS-WC-0050	320-6967
Prep Batch: 240-65981					
240-17796-2	076SS-0022M-0001-SO	T	Solid	Increment, Prep	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-66082					
240-17796-1	076SB-0023M-0001-SO	T	Solid	Moisture	
240-17796-1DU	Duplicate	T	Solid	Moisture	
240-17796-2	076SS-0022M-0001-SO	T	Solid	Moisture	
240-17796-3	076SB-0024M-0001-SO	T	Solid	Moisture	
240-17796-4	076SB-0025M-0001-SO	T	Solid	Moisture	
240-17796-5	076SB-0026M-0001-SO	T	Solid	Moisture	
240-17796-6	076SB-0027M-0001-SO	T	Solid	Moisture	
240-17796-7	076SB-0028M-0001-SO	T	Solid	Moisture	
240-17796-8	076SB-0029M-0001-SO	T	Solid	Moisture	
240-17796-9	076SB-0053M-0001-SO	T	Solid	Moisture	
240-17796-10	076SS-0007M-0001-SO	T	Solid	Moisture	
240-17796-10DU	Duplicate	T	Solid	Moisture	
240-17796-11	076SB-0054M-0001-SO	T	Solid	Moisture	
240-17796-12	076SB-0055M-0001-SO	T	Solid	Moisture	
240-17796-13	076SB-0056M-0001-SO	T	Solid	Moisture	
240-17796-14	076SB-0057M-0001-SO	T	Solid	Moisture	
240-17796-15	076SB-0058M-0001-SO	T	Solid	Moisture	
240-17796-16	076SB-0059M-0001-SO	T	Solid	Moisture	
240-17796-22	076SB-0060M-0001-SO	T	Solid	Moisture	
240-17796-23	076SB-0061M-0001-SO	T	Solid	Moisture	
240-17796-24	076SB-0062M-0001-SO	T	Solid	Moisture	
240-17796-24DU	Duplicate	T	Solid	Moisture	
240-17796-25	076SB-0063M-0001-SO	T	Solid	Moisture	
240-17796-26	076SB-0064M-0001-SO	T	Solid	Moisture	
240-17796-27	076SB-0065M-0001-SO	T	Solid	Moisture	
240-17796-28	076SB-0066M-0001-SO	T	Solid	Moisture	
240-17796-29	076SB-0044M-0001-SO	T	Solid	Moisture	
240-17796-30	076SB-0045M-0001-SO	T	Solid	Moisture	
240-17796-31	076SB-0046M-0001-SO	T	Solid	Moisture	
240-17796-32	076SB-0047M-0001-SO	T	Solid	Moisture	
240-17796-33	076SB-0048M-0001-SO	T	Solid	Moisture	
240-17796-33DU	Duplicate	T	Solid	Moisture	
240-17796-34	076SB-0049M-0001-SO	T	Solid	Moisture	
240-17796-35	076SB-0050M-0001-SO	T	Solid	Moisture	
240-17796-36	076SB-0051M-0001-SO	T	Solid	Moisture	
Prep Batch: 240-67293					
LCSI 240-67293/11-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 240-67293/10-A	Lab Control Sample Soluble	T	Solid	3060A	
MB 240-67293/9-A	Method Blank	T	Solid	3060A	
240-17796-2	076SS-0022M-0001-SO	T	Solid	3060A	240-65981

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-67491					
LCSI 240-67293/11-A	Lab Control Sample Insoluble	T	Solid	7196A	240-67293
LCSS 240-67293/10-A	Lab Control Sample Soluble	T	Solid	7196A	240-67293
MB 240-67293/9-A	Method Blank	T	Solid	7196A	240-67293
240-17796-2	076SS-0022M-0001-SO	T	Solid	7196A	240-67293

Report Basis
T = Total

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-6172					
LCS 320-6172/2-A	Lab Control Sample	T	Water	8330-Prep	
MB 320-6172/1-A	Method Blank	T	Water	8330-Prep	
240-17796-17	076SW-0013-0001-SW	T	Water	8330-Prep	
240-17796-17MS	Matrix Spike	T	Water	8330-Prep	
240-17796-17MSD	Matrix Spike Duplicate	T	Water	8330-Prep	
240-17796-18	076SW-0014-0001-SW	T	Water	8330-Prep	
240-17796-19	076SW-0015-0001-SW	T	Water	8330-Prep	
240-17796-20	076-0067-0001-ER	T	Water	8330-Prep	
Prep Batch: 320-6559					
LCS 320-6559/2-A	Lab Control Sample	T	Solid	8330B	
MB 320-6559/1-A	Method Blank	T	Solid	8330B	
240-17796-2	076SS-0022M-0001-SO	T	Solid	8330B	
240-17796-2MS	Matrix Spike	T	Solid	8330B	
240-17796-2MSD	Matrix Spike Duplicate	T	Solid	8330B	
240-17796-9	076SB-0053M-0001-SO	T	Solid	8330B	
240-17796-10	076SS-0007M-0001-SO	T	Solid	8330B	
240-17796-11	076SB-0054M-0001-SO	T	Solid	8330B	
240-17796-12	076SB-0055M-0001-SO	T	Solid	8330B	
240-17796-13	076SB-0056M-0001-SO	T	Solid	8330B	
240-17796-14	076SB-0057M-0001-SO	T	Solid	8330B	
240-17796-15	076SB-0058M-0001-SO	T	Solid	8330B	
240-17796-16	076SB-0059M-0001-SO	T	Solid	8330B	
240-17796-29	076SB-0044M-0001-SO	T	Solid	8330B	
240-17796-30	076SB-0045M-0001-SO	T	Solid	8330B	
240-17796-31	076SB-0046M-0001-SO	T	Solid	8330B	
240-17796-32	076SB-0047M-0001-SO	T	Solid	8330B	
240-17796-33	076SB-0048M-0001-SO	T	Solid	8330B	
240-17796-34	076SB-0049M-0001-SO	T	Solid	8330B	
240-17796-35	076SB-0050M-0001-SO	T	Solid	8330B	
240-17796-36	076SB-0051M-0001-SO	T	Solid	8330B	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 320-6579					
LCS 320-6579/2-A	Lab Control Sample	T	Solid	Sieve/Ultrasoni	
MB 320-6579/1-A	Method Blank	T	Solid	Sieve/Ultrasoni	
240-17796-2	076SS-0022M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-2MS	Matrix Spike	T	Solid	Sieve/Ultrasoni	
240-17796-2MSD	Matrix Spike Duplicate	T	Solid	Sieve/Ultrasoni	
240-17796-9	076SB-0053M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-10	076SS-0007M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-11	076SB-0054M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-12	076SB-0055M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-13	076SB-0056M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-14	076SB-0057M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-15	076SB-0058M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-16	076SB-0059M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-29	076SB-0044M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-30	076SB-0045M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-31	076SB-0046M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-32	076SB-0047M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-33	076SB-0048M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-34	076SB-0049M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-35	076SB-0050M-0001-SO	T	Solid	Sieve/Ultrasoni	
240-17796-36	076SB-0051M-0001-SO	T	Solid	Sieve/Ultrasoni	
Analysis Batch:320-6772					
LCS 320-6172/2-A	Lab Control Sample	T	Water	8330B	320-6172
MB 320-6172/1-A	Method Blank	T	Water	8330B	320-6172
240-17796-17	076SW-0013-0001-SW	T	Water	8330B	320-6172
240-17796-17MS	Matrix Spike	T	Water	8330B	320-6172
240-17796-17MSD	Matrix Spike Duplicate	T	Water	8330B	320-6172
240-17796-18	076SW-0014-0001-SW	T	Water	8330B	320-6172
240-17796-19	076SW-0015-0001-SW	T	Water	8330B	320-6172
240-17796-20	076-0067-0001-ER	T	Water	8330B	320-6172
Prep Batch: 320-6878					
LCS 320-6878/2-A	Lab Control Sample	T	Water	Filtration	
MB 320-6878/1-A	Method Blank	T	Water	Filtration	
240-17796-17	076SW-0013-0001-SW	T	Water	Filtration	
240-17796-17MS	Matrix Spike	T	Water	Filtration	
240-17796-17MSD	Matrix Spike Duplicate	T	Water	Filtration	
240-17796-18	076SW-0014-0001-SW	T	Water	Filtration	
240-17796-19	076SW-0015-0001-SW	T	Water	Filtration	
240-17796-20	076-0067-0001-ER	T	Water	Filtration	

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Analysis Batch:320-6888					
LCS 320-6579/2-A	Lab Control Sample	T	Solid	8330 Modified	320-6579
MB 320-6579/1-A	Method Blank	T	Solid	8330 Modified	320-6579
LCS 320-6878/2-A	Lab Control Sample	T	Water	8330 Modified	320-6878
MB 320-6878/1-A	Method Blank	T	Water	8330 Modified	320-6878
240-17796-2	076SS-0022M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-2MS	Matrix Spike	T	Solid	8330 Modified	320-6579
240-17796-2MSD	Matrix Spike Duplicate	T	Solid	8330 Modified	320-6579
240-17796-9	076SB-0053M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-10	076SS-0007M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-11	076SB-0054M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-12	076SB-0055M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-13	076SB-0056M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-14	076SB-0057M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-15	076SB-0058M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-16	076SB-0059M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-17	076SW-0013-0001-SW	T	Water	8330 Modified	320-6878
240-17796-17MS	Matrix Spike	T	Water	8330 Modified	320-6878
240-17796-17MSD	Matrix Spike Duplicate	T	Water	8330 Modified	320-6878
240-17796-18	076SW-0014-0001-SW	T	Water	8330 Modified	320-6878
240-17796-19	076SW-0015-0001-SW	T	Water	8330 Modified	320-6878
240-17796-20	076-0067-0001-ER	T	Water	8330 Modified	320-6878
240-17796-29	076SB-0044M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-30	076SB-0045M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-31	076SB-0046M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-32	076SB-0047M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-33	076SB-0048M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-34	076SB-0049M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-35	076SB-0050M-0001-SO	T	Solid	8330 Modified	320-6579
240-17796-36	076SB-0051M-0001-SO	T	Solid	8330 Modified	320-6579
Analysis Batch:320-7142					
MB 320-6579/1-A	Method Blank	T	Solid	8330 Modified	320-6579
240-17796-32	076SB-0047M-0001-SO	T	Solid	8330 Modified	320-6579

Client: Environmental Chemical Corp. Job Number: 240-17796-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Analysis Batch:320-7240					
LCS 320-6559/2-A	Lab Control Sample	T	Solid	8330B	320-6559
MB 320-6559/1-A	Method Blank	T	Solid	8330B	320-6559
240-17796-2	076SS-0022M-0001-SO	T	Solid	8330B	320-6559
240-17796-2MS	Matrix Spike	T	Solid	8330B	320-6559
240-17796-2MSD	Matrix Spike Duplicate	T	Solid	8330B	320-6559
240-17796-9	076SB-0053M-0001-SO	T	Solid	8330B	320-6559
240-17796-10	076SS-0007M-0001-SO	T	Solid	8330B	320-6559
240-17796-11	076SB-0054M-0001-SO	T	Solid	8330B	320-6559
240-17796-12	076SB-0055M-0001-SO	T	Solid	8330B	320-6559
240-17796-13	076SB-0056M-0001-SO	T	Solid	8330B	320-6559
240-17796-14	076SB-0057M-0001-SO	T	Solid	8330B	320-6559
240-17796-15	076SB-0058M-0001-SO	T	Solid	8330B	320-6559
240-17796-16	076SB-0059M-0001-SO	T	Solid	8330B	320-6559
240-17796-29	076SB-0044M-0001-SO	T	Solid	8330B	320-6559
240-17796-30	076SB-0045M-0001-SO	T	Solid	8330B	320-6559
240-17796-31	076SB-0046M-0001-SO	T	Solid	8330B	320-6559
240-17796-32	076SB-0047M-0001-SO	T	Solid	8330B	320-6559
240-17796-33	076SB-0048M-0001-SO	T	Solid	8330B	320-6559
240-17796-34	076SB-0049M-0001-SO	T	Solid	8330B	320-6559
240-17796-35	076SB-0050M-0001-SO	T	Solid	8330B	320-6559
240-17796-36	076SB-0051M-0001-SO	T	Solid	8330B	320-6559

Report Basis

T = Total

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-1 **Client ID: 076SB-0023M-0001-SO**

Sample Date/Time: 11/15/2012 09:15 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-1-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-1-A		240-66239	240-66118	11/26/2012 17:29	1	TAL NC	SM
P:3540C	240-17796-E-1-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-E-1-B		240-67225	240-66393	12/04/2012 16:51	1	TAL NC	JG
P:7471A	240-17796-E-1-F		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-1-F		240-67078	240-66416	11/30/2012 16:20	1	TAL NC	DH
A:Moisture	240-17796-D-1		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-1 MS **Client ID: 076SB-0023M-0001-SO**

Sample Date/Time: 11/15/2012 09:15 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-17796-E-1-H MS		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-1-H MS		240-67078	240-66416	11/30/2012 16:23	1	TAL NC	DH

Lab ID: 240-17796-1 DU **Client ID: 076SB-0023M-0001-SO**

Sample Date/Time: 11/15/2012 09:15 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-17796-E-1-G DU		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-1-G DU		240-67078	240-66416	11/30/2012 16:22	1	TAL NC	DH
A:Moisture	240-17796-D-1 DU		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-2 **Client ID: 076SS-0022M-0001-SO**

Sample Date/Time: 11/15/2012 12:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-2-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-B-2-B		240-67225	240-66393	12/04/2012 14:29	1	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-2-D		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-2-D		320-6888	320-6579	12/05/2012 20:44	1	TAL WSC	RN
P:8330B	240-17796-C-2-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-2-A		320-7240	320-6559	12/11/2012 18:07	1	TAL WSC	RN
P:7471A	240-17796-B-2-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-2-D		240-67078	240-66416	11/30/2012 16:51	1	TAL NC	DH
P:3060A	240-17796-B-2-F		240-67491	240-67293	12/04/2012 15:00	1	TAL NC	CN
A:7196A	240-17796-B-2-F		240-67491	240-67293	12/05/2012 15:58	1	TAL NC	LG
A:Moisture	240-17796-A-2		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-2-J		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-2-J		320-7008	320-6967	12/06/2012 12:54	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-2 MS **Client ID: 076SS-0022M-0001-SO**

Sample Date/Time: 11/15/2012 12:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Sieve/Ultrasoni	240-17796-C-2-E MS		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-2-E MS		320-6888	320-6579	12/05/2012 20:58	1	TAL WSC	RN
P:8330B	240-17796-C-2-B MS		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-2-B MS		320-7240	320-6559	12/11/2012 18:48	1	TAL WSC	RN
P:353 (NCell-Hyd)	240-17796-C-2-K MS		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-2-K MS		320-7008	320-6967	12/06/2012 12:56	1	TAL WSC	JB

Lab ID: 240-17796-2 MSD **Client ID: 076SS-0022M-0001-SO**

Sample Date/Time: 11/15/2012 12:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Sieve/Ultrasoni	240-17796-C-2-F MSD		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-2-F MSD		320-6888	320-6579	12/05/2012 21:13	1	TAL WSC	RN
P:8330B	240-17796-C-2-C MSD		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-2-C MSD		320-7240	320-6559	12/11/2012 19:28	1	TAL WSC	RN
P:353 (NCell-Hyd)	240-17796-C-2-L MSD		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-2-L MSD		320-7008	320-6967	12/06/2012 12:58	1	TAL WSC	JB

Lab ID: 240-17796-3 **Client ID: 076SB-0024M-0001-SO**

Sample Date/Time: 11/15/2012 10:20 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-3-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-3-A		240-66239	240-66118	11/26/2012 17:51	1	TAL NC	SM
P:3540C	240-17796-E-3-B		240-67390	240-66393	11/27/2012 09:03	2.5	TAL NC	AC
A:8270C/DoD	240-17796-E-3-B		240-67390	240-66393	12/05/2012 18:04	2.5	TAL NC	JG
P:7471A	240-17796-E-3-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-3-D		240-67078	240-66416	11/30/2012 16:55	1	TAL NC	DH
A:Moisture	240-17796-D-3		240-66082		11/23/2012 10:25	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-4 **Client ID: 076SB-0025M-0001-SO**

Sample Date/Time: 11/15/2012 09:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-4-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-4-A		240-66239	240-66118	11/26/2012 18:12	1	TAL NC	SM
P:3540C	240-17796-E-4-B		240-67390	240-66393	11/27/2012 09:03	2.5	TAL NC	AC
A:8270C/DoD	240-17796-E-4-B		240-67390	240-66393	12/05/2012 18:27	2.5	TAL NC	JG
P:7471A	240-17796-E-4-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-4-D		240-67078	240-66416	11/30/2012 16:37	1	TAL NC	DH
A:Moisture	240-17796-D-4		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-5 **Client ID: 076SB-0026M-0001-SO**

Sample Date/Time: 11/15/2012 09:20 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-5-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-5-A		240-66239	240-66118	11/26/2012 18:34	1	TAL NC	SM
P:3540C	240-17796-E-5-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-E-5-B		240-67225	240-66393	12/04/2012 17:39	1	TAL NC	JG
P:7471A	240-17796-E-5-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-5-D		240-67078	240-66416	11/30/2012 16:48	1	TAL NC	DH
A:Moisture	240-17796-D-5		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-6 **Client ID: 076SB-0027M-0001-SO**

Sample Date/Time: 11/15/2012 09:40 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-6-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-6-A		240-66239	240-66118	11/26/2012 18:55	1	TAL NC	SM
P:3540C	240-17796-E-6-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-E-6-B		240-67225	240-66393	12/04/2012 18:02	1	TAL NC	JG
P:7471A	240-17796-E-6-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-6-D		240-67078	240-66416	11/30/2012 16:44	1	TAL NC	DH
A:Moisture	240-17796-D-6		240-66082		11/23/2012 10:25	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-7 **Client ID: 076SB-0028M-0001-SO**

Sample Date/Time: 11/15/2012 10:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-7-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-7-A		240-66239	240-66118	11/26/2012 19:17	1	TAL NC	SM
P:3540C	240-17796-E-7-B		240-67390	240-66393	11/27/2012 09:03	2.5	TAL NC	AC
A:8270C/DoD	240-17796-E-7-B		240-67390	240-66393	12/05/2012 17:17	2.5	TAL NC	JG
P:7471A	240-17796-E-7-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-7-D		240-67078	240-66416	11/30/2012 16:47	1	TAL NC	DH
A:Moisture	240-17796-D-7		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-8 **Client ID: 076SB-0029M-0001-SO**

Sample Date/Time: 11/15/2012 12:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-8-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-8-A		240-66239	240-66118	11/26/2012 19:38	1	TAL NC	SM
P:3540C	240-17796-E-8-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-E-8-B		240-67225	240-66393	12/04/2012 14:53	1	TAL NC	JG
P:7471A	240-17796-E-8-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-8-D		240-67078	240-66416	11/30/2012 16:30	1	TAL NC	DH
A:Moisture	240-17796-D-8		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-9 **Client ID: 076SB-0053M-0001-SO**

Sample Date/Time: 11/15/2012 15:55 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-9-B		240-67390	240-66393	11/27/2012 09:03	2.5	TAL NC	AC
A:8270C/DoD	240-17796-B-9-B		240-67390	240-66393	12/05/2012 16:54	2.5	TAL NC	JG
P:3540C	240-17796-B-9-F		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-9-F		240-67173	240-66777	12/04/2012 05:27	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17796-C-9-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-9-B		320-6888	320-6579	12/05/2012 21:27	1	TAL WSC	RN
P:8330B	240-17796-C-9-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-9-A		320-7240	320-6559	12/11/2012 20:08	1	TAL WSC	RN
P:7471A	240-17796-B-9-E		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-9-E		240-67078	240-66416	11/30/2012 16:54	1	TAL NC	DH
A:Moisture	240-17796-A-9		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-9-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-9-D		320-7008	320-6967	12/06/2012 13:08	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-10 **Client ID: 076SS-0007M-0001-SO**

Sample Date/Time: 11/15/2012 15:45 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-10-B		240-67225	240-66393	11/27/2012 09:03	5	TAL NC	AC
A:8270C/DoD	240-17796-B-10-B		240-67225	240-66393	12/04/2012 12:54	5	TAL NC	JG
P:3540C	240-17796-B-10-F		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-10-F		240-67173	240-66777	12/04/2012 05:42	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17796-C-10-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-10-B		320-6888	320-6579	12/05/2012 21:41	1	TAL WSC	RN
P:8330B	240-17796-C-10-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-10-A		320-7240	320-6559	12/11/2012 20:48	1	TAL WSC	RN
P:7471A	240-17796-B-10-E		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-10-E		240-67078	240-66416	11/30/2012 16:29	1	TAL NC	DH
A:Moisture	240-17796-A-10		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-10-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-10-D		320-7008	320-6967	12/06/2012 13:10	1	TAL WSC	JB

Lab ID: 240-17796-10 DU **Client ID: 076SS-0007M-0001-SO**

Sample Date/Time: 11/15/2012 15:45 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-17796-A-10 DU		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-11 **Client ID: 076SB-0054M-0001-SO**

Sample Date/Time: 11/15/2012 15:55 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-11-B		240-67225	240-66393	11/27/2012 09:03	5	TAL NC	AC
A:8270C/DoD	240-17796-B-11-B		240-67225	240-66393	12/04/2012 13:18	5	TAL NC	JG
P:3540C	240-17796-B-11-F		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-11-F		240-67173	240-66777	12/04/2012 06:27	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17796-C-11-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-11-B		320-6888	320-6579	12/05/2012 21:56	1	TAL WSC	RN
P:8330B	240-17796-C-11-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-11-A		320-7240	320-6559	12/11/2012 21:28	1	TAL WSC	RN
P:7471A	240-17796-B-11-E		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-11-E		240-67078	240-66416	11/30/2012 16:33	1	TAL NC	DH
A:Moisture	240-17796-A-11		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-11-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-11-D		320-7008	320-6967	12/06/2012 13:12	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-12 **Client ID:** 076SB-0055M-0001-SO

Sample Date/Time: 11/15/2012 13:45 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-12-B		240-67225	240-66393	11/27/2012 09:03	5	TAL NC	AC
A:8270C/DoD	240-17796-B-12-B		240-67225	240-66393	12/04/2012 13:42	5	TAL NC	JG
P:3540C	240-17796-B-12-F		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-12-F		240-67173	240-66777	12/04/2012 06:42	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17796-C-12-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-12-B		320-6888	320-6579	12/05/2012 22:10	1	TAL WSC	RN
P:8330B	240-17796-C-12-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-12-A		320-7240	320-6559	12/11/2012 22:09	1	TAL WSC	RN
P:7471A	240-17796-B-12-E		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-12-E		240-67078	240-66416	11/30/2012 16:34	1	TAL NC	DH
A:Moisture	240-17796-A-12		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-12-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-12-D		320-7008	320-6967	12/06/2012 13:14	1	TAL WSC	JB

Lab ID: 240-17796-13 **Client ID:** 076SB-0056M-0001-SO

Sample Date/Time: 11/15/2012 14:10 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-13-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-B-13-B		240-67225	240-66393	12/04/2012 15:16	1	TAL NC	JG
P:3540C	240-17796-B-13-F		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-13-F		240-67173	240-66777	12/04/2012 06:57	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17796-C-13-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-13-B		320-6888	320-6579	12/05/2012 22:24	1	TAL WSC	RN
P:8330B	240-17796-C-13-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-13-A		320-7240	320-6559	12/11/2012 22:49	1	TAL WSC	RN
P:7471A	240-17796-B-13-E		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-13-E		240-67078	240-66416	11/30/2012 16:40	1	TAL NC	DH
A:Moisture	240-17796-A-13		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-13-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-13-D		320-7008	320-6967	12/06/2012 13:16	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-14 **Client ID: 076SB-0057M-0001-SO**

Sample Date/Time: 11/15/2012 14:40 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-14-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-B-14-B		240-67225	240-66393	12/04/2012 16:04	1	TAL NC	JG
P:3540C	240-17796-B-14-F		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-14-F		240-67173	240-66777	12/04/2012 07:12	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17796-C-14-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-14-B		320-6888	320-6579	12/05/2012 22:53	1	TAL WSC	RN
P:8330B	240-17796-C-14-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-14-A		320-7240	320-6559	12/12/2012 00:09	1	TAL WSC	RN
P:7471A	240-17796-B-14-E		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-14-E		240-67078	240-66416	11/30/2012 16:36	1	TAL NC	DH
A:Moisture	240-17796-A-14		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-14-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-14-D		320-7008	320-6967	12/06/2012 13:18	1	TAL WSC	JB

Lab ID: 240-17796-15 **Client ID: 076SB-0058M-0001-SO**

Sample Date/Time: 11/15/2012 15:30 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-15-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-B-15-B		240-67225	240-66393	12/04/2012 16:28	1	TAL NC	JG
P:3540C	240-17796-B-15-F		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-15-F		240-67173	240-66777	12/04/2012 07:27	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17796-C-15-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-15-B		320-6888	320-6579	12/05/2012 23:07	1	TAL WSC	RN
P:8330B	240-17796-C-15-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-15-A		320-7240	320-6559	12/12/2012 00:49	1	TAL WSC	RN
P:7471A	240-17796-B-15-E		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-15-E		240-67078	240-66416	11/30/2012 16:32	1	TAL NC	DH
A:Moisture	240-17796-A-15		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-15-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-15-D		320-7008	320-6967	12/06/2012 13:20	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-16 **Client ID: 076SB-0059M-0001-SO**

Sample Date/Time: 11/15/2012 16:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-16-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-B-16-B		240-67225	240-66393	12/04/2012 15:40	1	TAL NC	JG
P:3540C	240-17796-B-16-H		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-16-H		240-67173	240-66777	12/04/2012 07:42	1	TAL NC	LH
P:Sieve/Ultrasoni	240-17796-C-16-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-16-B		320-6888	320-6579	12/05/2012 23:22	1	TAL WSC	RN
P:8330B	240-17796-C-16-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-16-A		320-7240	320-6559	12/12/2012 01:29	1	TAL WSC	RN
P:7471A	240-17796-B-16-G		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-B-16-G		240-67078	240-66416	11/30/2012 16:45	1	TAL NC	DH
A:Moisture	240-17796-A-16		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-16-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-16-D		320-7008	320-6967	12/06/2012 13:22	1	TAL WSC	JB

Lab ID: 240-17796-16 MS **Client ID: 076SB-0059M-0001-SO**

Sample Date/Time: 11/15/2012 16:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-16-I MS		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-16-I MS		240-67173	240-66777	12/04/2012 07:56	1	TAL NC	LH

Lab ID: 240-17796-16 MSD **Client ID: 076SB-0059M-0001-SO**

Sample Date/Time: 11/15/2012 16:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-16-J MSD		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	240-17796-B-16-J MSD		240-67173	240-66777	12/04/2012 08:11	1	TAL NC	LH

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-17 **Client ID: 076SW-0013-0001-SW**

Sample Date/Time: 11/15/2012 14:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17796-F-17-A		240-66802	240-66426	11/27/2012 10:47	1	TAL NC	CC
A:8082/DOD	240-17796-F-17-A		240-66802	240-66426	11/30/2012 17:20	1	TAL NC	LH
P:Filtration	240-17796-O-17-D		320-6888	320-6878	12/05/2012 07:38	1	TAL WSC	TP
A:8330 Modified	240-17796-O-17-D		320-6888	320-6878	12/06/2012 02:13	1	TAL WSC	RN
P:8330-Prep	240-17796-L-17-A		320-6772	320-6172	11/20/2012 12:14	1	TAL WSC	TP
A:8330B	240-17796-L-17-A		320-6772	320-6172	12/04/2012 15:00	1	TAL WSC	RN
P:353 (NCell-Hyd)	240-17796-O-17-G		320-7008	320-6966	12/06/2012 06:41	1	TAL WSC	TP
A:WS-WC-0050	240-17796-O-17-G		320-7008	320-6966	12/06/2012 14:04	1	TAL WSC	JB

Lab ID: 240-17796-17 **Client ID: 076SW-0013-0001-SW**

Sample Date/Time: 11/15/2012 14:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17796-C-17-A MS		240-66802	240-66426	11/27/2012 10:47	1	TAL NC	CC
A:8082/DOD	240-17796-C-17-A MS		240-66802	240-66426	11/30/2012 17:35	1	TAL NC	LH
P:Filtration	240-17796-O-17-E MS		320-6888	320-6878	12/05/2012 07:38	1	TAL WSC	TP
A:8330 Modified	240-17796-O-17-E MS		320-6888	320-6878	12/06/2012 02:28	1	TAL WSC	RN
P:8330-Prep	240-17796-N-17-A MS		320-6772	320-6172	11/20/2012 12:14	1	TAL WSC	TP
A:8330B	240-17796-N-17-A MS		320-6772	320-6172	12/04/2012 15:41	1	TAL WSC	RN
P:353 (NCell-Hyd)	240-17796-O-17-H MS		320-7008	320-6966	12/06/2012 06:41	1	TAL WSC	TP
A:WS-WC-0050	240-17796-O-17-H MS		320-7008	320-6966	12/06/2012 14:06	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-17 **Client ID: 076SW-0013-0001-SW**

Sample Date/Time: 11/15/2012 14:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17796-H-17-A MSD		240-66802	240-66426	11/27/2012 10:47	1	TAL NC	CC
A:8082/DOD	240-17796-H-17-A MSD		240-66802	240-66426	11/30/2012 17:50	1	TAL NC	LH
P:Filtration	240-17796-O-17-F MSD		320-6888	320-6878	12/05/2012 07:38	1	TAL WSC	TP
A:8330 Modified	240-17796-O-17-F MSD		320-6888	320-6878	12/06/2012 02:42	1	TAL WSC	RN
P:8330-Prep	240-17796-M-17-A MSD		320-6772	320-6172	11/20/2012 12:14	1	TAL WSC	TP
A:8330B	240-17796-M-17-A MSD		320-6772	320-6172	12/04/2012 16:21	1	TAL WSC	RN
P:353 (NCell-Hyd)	240-17796-O-17-I MSD		320-7008	320-6966	12/06/2012 06:41	1	TAL WSC	TP
A:WS-WC-0050	240-17796-O-17-I MSD		320-7008	320-6966	12/06/2012 14:08	1	TAL WSC	JB

Lab ID: 240-17796-18 **Client ID: 076SW-0014-0001-SW**

Sample Date/Time: 11/15/2012 15:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17796-B-18-A		240-66171	240-65899	11/21/2012 09:48	1	TAL NC	BM
A:8082/DOD	240-17796-B-18-A		240-66171	240-65899	11/24/2012 22:32	1	TAL NC	LH
P:Filtration	240-17796-E-18-B		320-6888	320-6878	12/05/2012 07:38	1	TAL WSC	TP
A:8330 Modified	240-17796-E-18-B		320-6888	320-6878	12/06/2012 02:56	1	TAL WSC	RN
P:8330-Prep	240-17796-D-18-A		320-6772	320-6172	11/20/2012 12:14	1	TAL WSC	TP
A:8330B	240-17796-D-18-A		320-6772	320-6172	12/04/2012 17:01	1	TAL WSC	RN
P:353 (NCell-Hyd)	240-17796-E-18-C		320-7008	320-6966	12/06/2012 06:41	1	TAL WSC	TP
A:WS-WC-0050	240-17796-E-18-C		320-7008	320-6966	12/06/2012 14:10	1	TAL WSC	JB

Lab ID: 240-17796-19 **Client ID: 076SW-0015-0001-SW**

Sample Date/Time: 11/15/2012 15:30 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	240-17796-C-19-A		240-66171	240-65899	11/21/2012 09:48	1	TAL NC	BM
A:8082/DOD	240-17796-C-19-A		240-66171	240-65899	11/24/2012 22:47	1	TAL NC	LH
P:Filtration	240-17796-E-19-B		320-6888	320-6878	12/05/2012 07:38	1	TAL WSC	TP
A:8330 Modified	240-17796-E-19-B		320-6888	320-6878	12/06/2012 03:10	1	TAL WSC	RN
P:8330-Prep	240-17796-D-19-A		320-6772	320-6172	11/20/2012 12:14	1	TAL WSC	TP
A:8330B	240-17796-D-19-A		320-6772	320-6172	12/04/2012 17:41	1	TAL WSC	RN
P:353 (NCell-Hyd)	240-17796-E-19-C		320-7008	320-6966	12/06/2012 06:41	1	TAL WSC	TP
A:WS-WC-0050	240-17796-E-19-C		320-7008	320-6966	12/06/2012 14:12	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-20 **Client ID: 076-0067-0001-ER**

Sample Date/Time: 11/15/2012 13:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-17796-N-20		240-65929		11/21/2012 13:47	1	TAL NC	RQ
A:8260B/DoD	240-17796-N-20		240-65929		11/21/2012 13:47	1	TAL NC	RQ
P:3520C	240-17796-J-20-A		240-66717	240-65893	11/21/2012 09:42	1	TAL NC	BM
A:8270C/DoD	240-17796-J-20-A		240-66717	240-65893	11/29/2012 11:46	1	TAL NC	JG
P:5030B	240-17796-B-20		240-66387		11/28/2012 15:56	1	TAL NC	HMB
A:8015B	240-17796-B-20		240-66387		11/28/2012 15:56	1	TAL NC	HMB
P:3520C	240-17796-D-20-B		240-66500	240-65900	11/21/2012 09:52	1	TAL NC	BM
A:8081/DOD	240-17796-D-20-B		240-66500	240-65900	11/28/2012 19:19	1	TAL NC	CV
P:3520C	240-17796-D-20-A		240-66171	240-65899	11/21/2012 09:48	1	TAL NC	BM
A:8082/DOD	240-17796-D-20-A		240-66171	240-65899	11/24/2012 23:02	1	TAL NC	LH
P:8151A	240-17796-H-20-A		240-67147	240-65729	11/20/2012 09:45	1	TAL NC	BM
A:8151/DOD	240-17796-H-20-A		240-67147	240-65729	12/04/2012 02:35	1	TAL NC	CR
P:Filtration	240-17796-L-20-B		320-6888	320-6878	12/05/2012 07:38	1	TAL WSC	TP
A:8330 Modified	240-17796-L-20-B		320-6888	320-6878	12/06/2012 03:25	1	TAL WSC	RN
P:8330-Prep	240-17796-K-20-A		320-6772	320-6172	11/20/2012 12:14	1	TAL WSC	TP
A:8330B	240-17796-K-20-A		320-6772	320-6172	12/04/2012 18:22	1	TAL WSC	RN
P:3005A	240-17796-A-20-B		240-68088	240-66568	11/28/2012 09:45	1	TAL NC	LM
A:6020/DOD	240-17796-A-20-B		240-68088	240-66568	12/10/2012 10:35	1	TAL NC	NJT
P:7470A	240-17796-A-20-A		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	240-17796-A-20-A		240-66485	240-66219	11/27/2012 16:28	1	TAL NC	DH
P:353 (NCell-Hyd)	240-17796-L-20-C		320-7008	320-6966	12/06/2012 06:41	1	TAL WSC	TP
A:WS-WC-0050	240-17796-L-20-C		320-7008	320-6966	12/06/2012 14:14	1	TAL WSC	JB

Lab ID: 240-17796-20 MS **Client ID: 076-0067-0001-ER**

Sample Date/Time: 11/15/2012 13:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-17796-M-20 MS		240-65929		11/21/2012 16:46	1	TAL NC	RQ
A:8260B/DoD	240-17796-M-20 MS		240-65929		11/21/2012 16:46	1	TAL NC	RQ
P:5030B	240-17796-B-20 MS		240-66387		11/28/2012 16:35	1	TAL NC	HMB
A:8015B	240-17796-B-20 MS		240-66387		11/28/2012 16:35	1	TAL NC	HMB

Lab ID: 240-17796-20 MSD **Client ID: 076-0067-0001-ER**

Sample Date/Time: 11/15/2012 13:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-17796-O-20 MSD		240-65929		11/21/2012 17:08	1	TAL NC	RQ
A:8260B/DoD	240-17796-O-20 MSD		240-65929		11/21/2012 17:08	1	TAL NC	RQ
P:5030B	240-17796-B-20 MSD		240-66387		11/28/2012 17:13	1	TAL NC	HMB
A:8015B	240-17796-B-20 MSD		240-66387		11/28/2012 17:13	1	TAL NC	HMB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-21 **Client ID: 076-0068-0001-TB**

Sample Date/Time: 11/15/2012 08:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-17796-A-21		240-65929		11/21/2012 14:31	1	TAL NC	RQ
A:8260B/DoD	240-17796-A-21		240-65929		11/21/2012 14:31	1	TAL NC	RQ

Lab ID: 240-17796-22 **Client ID: 076SB-0060M-0001-SO**

Sample Date/Time: 11/15/2012 17:35 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-22-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-22-A		240-66239	240-66118	11/26/2012 20:00	1	TAL NC	SM
P:3540C	240-17796-E-22-B		240-67225	240-66393	11/27/2012 09:03	5	TAL NC	AC
A:8270C/DoD	240-17796-E-22-B		240-67225	240-66393	12/04/2012 14:05	5	TAL NC	JG
P:7471A	240-17796-E-22-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-22-D		240-67078	240-66416	11/30/2012 16:53	1	TAL NC	DH
A:Moisture	240-17796-D-22		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-23 **Client ID: 076SB-0061M-0001-SO**

Sample Date/Time: 11/15/2012 17:35 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-23-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-23-A		240-66239	240-66118	11/26/2012 20:21	1	TAL NC	SM
P:3540C	240-17796-E-23-B		240-67390	240-66393	11/27/2012 09:03	2.5	TAL NC	AC
A:8270C/DoD	240-17796-E-23-B		240-67390	240-66393	12/05/2012 17:41	2.5	TAL NC	JG
P:7471A	240-17796-E-23-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-23-D		240-67078	240-66416	11/30/2012 16:39	1	TAL NC	DH
A:Moisture	240-17796-D-23		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-24 **Client ID: 076SB-0062M-0001-SO**

Sample Date/Time: 11/15/2012 17:05 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-24-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-24-A		240-66239	240-66118	11/26/2012 20:43	1	TAL NC	SM
P:3540C	240-17796-E-24-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-E-24-B		240-67225	240-66393	12/04/2012 17:15	1	TAL NC	JG
P:7471A	240-17796-E-24-D		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-24-D		240-67078	240-66416	11/30/2012 16:28	1	TAL NC	DH
A:Moisture	240-17796-D-24		240-66082		11/23/2012 10:25	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-24 DU **Client ID: 076SB-0062M-0001-SO**

Sample Date/Time: 11/15/2012 17:05 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-17796-D-24 DU		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-25 **Client ID: 076SB-0063M-0001-SO**

Sample Date/Time: 11/15/2012 17:15 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-25-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-25-A		240-66239	240-66118	11/26/2012 21:05	1	TAL NC	SM
P:3540C	240-17796-E-25-B		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-E-25-B		240-67225	240-66393	12/04/2012 11:43	1	TAL NC	JG
P:7471A	240-17796-E-25-F		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	240-17796-E-25-F		240-67078	240-66416	11/30/2012 16:50	1	TAL NC	DH
A:Moisture	240-17796-D-25		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-25 MS **Client ID: 076SB-0063M-0001-SO**

Sample Date/Time: 11/15/2012 17:15 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-E-25-C MS		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-E-25-C MS		240-67225	240-66393	12/04/2012 12:07	1	TAL NC	JG

Lab ID: 240-17796-25 MSD **Client ID: 076SB-0063M-0001-SO**

Sample Date/Time: 11/15/2012 17:15 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-E-25-D MSD		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	240-17796-E-25-D MSD		240-67225	240-66393	12/04/2012 12:30	1	TAL NC	JG

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-26 **Client ID: 076SB-0064M-0001-SO**

Sample Date/Time: 11/15/2012 17:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-26-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-26-A		240-66239	240-66118	11/26/2012 21:26	1	TAL NC	SM
P:3540C	240-17796-E-26-B		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17796-E-26-B		240-67544	240-66569	12/06/2012 12:04	10	TAL NC	JG
P:7471A	240-17796-E-26-F		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17796-E-26-F		240-67078	240-66624	11/30/2012 17:02	1	TAL NC	DH
A:Moisture	240-17796-D-26		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-26 MS **Client ID: 076SB-0064M-0001-SO**

Sample Date/Time: 11/15/2012 17:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-17796-E-26-H MS		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17796-E-26-H MS		240-67078	240-66624	11/30/2012 17:06	1	TAL NC	DH

Lab ID: 240-17796-26 DU **Client ID: 076SB-0064M-0001-SO**

Sample Date/Time: 11/15/2012 17:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	240-17796-E-26-G DU		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17796-E-26-G DU		240-67078	240-66624	11/30/2012 17:04	1	TAL NC	DH

Lab ID: 240-17796-27 **Client ID: 076SB-0065M-0001-SO**

Sample Date/Time: 11/15/2012 17:40 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-B-27-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-B-27-A		240-66239	240-66118	11/26/2012 21:48	1	TAL NC	SM
P:3540C	240-17796-E-27-B		240-67544	240-66569	11/28/2012 09:47	2.5	TAL NC	AC
A:8270C/DoD	240-17796-E-27-B		240-67544	240-66569	12/06/2012 14:47	2.5	TAL NC	JG
P:7471A	240-17796-E-27-D		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17796-E-27-D		240-67078	240-66624	11/30/2012 17:07	1	TAL NC	DH
A:Moisture	240-17796-D-27		240-66082		11/23/2012 10:25	1	TAL NC	TH

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-28 **Client ID: 076SB-0066M-0001-SO**

Sample Date/Time: 11/15/2012 16:50 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	240-17796-D-28-A		240-66239	240-66118	11/17/2012 08:00	1	TAL NC	LM
A:8260B/DoD	240-17796-D-28-A		240-66239	240-66118	11/26/2012 22:09	1	TAL NC	SM
P:3540C	240-17796-B-28-B		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17796-B-28-B		240-67544	240-66569	12/06/2012 12:27	10	TAL NC	JG
P:7471A	240-17796-B-28-D		240-67078	240-66624	11/28/2012 14:55	1	TAL NC	DE
A:7471/DOD	240-17796-B-28-D		240-67078	240-66624	11/30/2012 17:09	1	TAL NC	DH
A:Moisture	240-17796-A-28		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-29 **Client ID: 076SB-0044M-0001-SO**

Sample Date/Time: 11/15/2012 12:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-29-B		240-67544	240-66569	11/28/2012 09:47	2.5	TAL NC	AC
A:8270C/DoD	240-17796-B-29-B		240-67544	240-66569	12/06/2012 15:10	2.5	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-29-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-29-B		320-6888	320-6579	12/05/2012 23:36	1	TAL WSC	RN
P:8330B	240-17796-C-29-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-29-A		320-7240	320-6559	12/12/2012 02:10	1	TAL WSC	RN
A:Moisture	240-17796-A-29		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-29-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-29-D		320-7008	320-6967	12/06/2012 13:24	1	TAL WSC	JB

Lab ID: 240-17796-30 **Client ID: 076SB-0045M-0001-SO**

Sample Date/Time: 11/15/2012 12:25 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-30-B		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17796-B-30-B		240-67544	240-66569	12/06/2012 13:37	10	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-30-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-30-B		320-6888	320-6579	12/05/2012 23:50	1	TAL WSC	RN
P:8330B	240-17796-C-30-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-30-A		320-7240	320-6559	12/12/2012 02:50	1	TAL WSC	RN
A:Moisture	240-17796-A-30		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-30-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-30-D		320-7008	320-6967	12/06/2012 13:26	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-31 **Client ID: 076SB-0046M-0001-SO**

Sample Date/Time: 11/15/2012 10:50 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-31-B		240-67544	240-66569	11/28/2012 09:47	2.5	TAL NC	AC
A:8270C/DoD	240-17796-B-31-B		240-67544	240-66569	12/06/2012 15:33	2.5	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-31-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-31-B		320-6888	320-6579	12/06/2012 00:04	1	TAL WSC	RN
P:8330B	240-17796-C-31-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-31-A		320-7240	320-6559	12/12/2012 03:30	1	TAL WSC	RN
A:Moisture	240-17796-A-31		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-31-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-31-D		320-7008	320-6967	12/06/2012 13:36	1	TAL WSC	JB

Lab ID: 240-17796-32 **Client ID: 076SB-0047M-0001-SO**

Sample Date/Time: 11/15/2012 11:11 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-32-B		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17796-B-32-B		240-67544	240-66569	12/06/2012 12:51	10	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-32-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-32-B		320-6888	320-6579	12/06/2012 00:19	1	TAL WSC	RN
P:Sieve/Ultrasoni	240-17796-C-32-B		320-7142	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-32-B		320-7142	320-6579	12/10/2012 13:45	1	TAL WSC	RN
P:8330B	240-17796-C-32-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-32-A		320-7240	320-6559	12/12/2012 04:11	1	TAL WSC	RN
A:Moisture	240-17796-A-32		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-32-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-32-D		320-7008	320-6967	12/06/2012 13:38	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-33 **Client ID: 076SB-0048M-0001-SO**

Sample Date/Time: 11/15/2012 11:40 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-33-C		240-67368	240-66734	11/29/2012 10:26	1	TAL NC	AC
A:8270C/DoD	240-17796-B-33-C		240-67368	240-66734	12/05/2012 13:05	1	TAL NC	MU
P:3540C	240-17796-B-33-D	RE	240-68148	240-67600	12/06/2012 10:45	1	TAL NC	SE
A:8270C/DoD	240-17796-B-33-D	RE	240-68148	240-67600	12/11/2012 15:27	1	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-33-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-33-B		320-6888	320-6579	12/06/2012 00:33	1	TAL WSC	RN
P:8330B	240-17796-C-33-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-33-A		320-7240	320-6559	12/12/2012 04:51	1	TAL WSC	RN
A:Moisture	240-17796-A-33		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-33-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-33-D		320-7008	320-6967	12/06/2012 13:40	1	TAL WSC	JB

Lab ID: 240-17796-33 DU **Client ID: 076SB-0048M-0001-SO**

Sample Date/Time: 11/15/2012 11:40 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-17796-A-33 DU		240-66082		11/23/2012 10:25	1	TAL NC	TH

Lab ID: 240-17796-34 **Client ID: 076SB-0049M-0001-SO**

Sample Date/Time: 11/15/2012 12:05 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-34-B		240-67544	240-66569	11/28/2012 09:47	10	TAL NC	AC
A:8270C/DoD	240-17796-B-34-B		240-67544	240-66569	12/06/2012 13:14	10	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-34-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-34-B		320-6888	320-6579	12/06/2012 00:47	1	TAL WSC	RN
P:8330B	240-17796-C-34-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-34-A		320-7240	320-6559	12/12/2012 05:31	1	TAL WSC	RN
A:Moisture	240-17796-A-34		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-34-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-34-D		320-7008	320-6967	12/06/2012 13:42	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

Lab ID: 240-17796-35 **Client ID: 076SB-0050M-0001-SO**

Sample Date/Time: 11/15/2012 12:30 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-35-B		240-67544	240-66569	11/28/2012 09:47	2.5	TAL NC	AC
A:8270C/DoD	240-17796-B-35-B		240-67544	240-66569	12/06/2012 15:56	2.5	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-35-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-35-B		320-6888	320-6579	12/06/2012 01:02	1	TAL WSC	RN
P:8330B	240-17796-C-35-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-35-A		320-7240	320-6559	12/12/2012 06:12	1	TAL WSC	RN
A:Moisture	240-17796-A-35		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-35-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-35-D		320-7008	320-6967	12/06/2012 13:44	1	TAL WSC	JB

Lab ID: 240-17796-36 **Client ID: 076SB-0051M-0001-SO**

Sample Date/Time: 11/15/2012 12:10 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3540C	240-17796-B-36-A		240-67761	240-66569	11/28/2012 09:47	1	TAL NC	AC
A:8270C/DoD	240-17796-B-36-A		240-67761	240-66569	12/07/2012 12:51	1	TAL NC	JG
P:Sieve/Ultrasoni	240-17796-C-36-B		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	240-17796-C-36-B		320-6888	320-6579	12/06/2012 01:30	1	TAL WSC	RN
P:8330B	240-17796-C-36-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	240-17796-C-36-A		320-7240	320-6559	12/12/2012 07:32	1	TAL WSC	RN
A:Moisture	240-17796-A-36		240-66082		11/23/2012 10:25	1	TAL NC	TH
P:353 (NCell-Hyd)	240-17796-C-36-D		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	240-17796-C-36-D		320-7008	320-6967	12/06/2012 13:46	1	TAL WSC	JB

Lab ID: 240-17796-37 **Client ID: 076SB-0052-0001-TB**

Sample Date/Time: 11/15/2012 08:00 Received Date/Time: 11/16/2012 18:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-17796-A-37		240-65929		11/21/2012 14:54	1	TAL NC	RQ
A:8260B/DoD	240-17796-A-37		240-65929		11/21/2012 14:54	1	TAL NC	RQ

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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 240-66239/8		240-66239		11/26/2012 14:15	1	TAL NC	SM
P:3520C	MB 240-65893/5-A		240-66717	240-65893	11/21/2012 09:42	1	TAL NC	BM
A:8270C/DoD	MB 240-65893/5-A		240-66717	240-65893	11/29/2012 10:13	1	TAL NC	JG
P:3540C	MB 240-66393/23-A		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	MB 240-66393/23-A		240-67225	240-66393	12/04/2012 10:08	1	TAL NC	JG
P:3540C	MB 240-66734/4-A		240-67368	240-66734	11/29/2012 09:51	1	TAL NC	AC
A:8270C/DoD	MB 240-66734/4-A		240-67368	240-66734	12/05/2012 10:12	1	TAL NC	MU
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:3540C	MB 240-67600/22-A		240-68148	240-67600	12/06/2012 10:45	1	TAL NC	SE
A:8270C/DoD	MB 240-67600/22-A		240-68148	240-67600	12/11/2012 12:44	1	TAL NC	JG
P:5030B	MB 240-66387/45		240-66387		11/28/2012 14:00	1	TAL NC	HMB
A:8015B	MB 240-66387/45		240-66387		11/28/2012 14:00	1	TAL NC	HMB
P:3520C	MB 240-65900/9-A		240-66500	240-65900	11/21/2012 09:52	1	TAL NC	BM
A:8081/DOD	MB 240-65900/9-A		240-66500	240-65900	11/28/2012 19:47	1	TAL NC	CV
P:3520C	MB 240-65899/8-A		240-66171	240-65899	11/21/2012 09:48	1	TAL NC	BM
A:8082/DOD	MB 240-65899/8-A		240-66171	240-65899	11/24/2012 23:31	1	TAL NC	LH
P:3520C	MB 240-66426/4-A		240-66802	240-66426	11/27/2012 10:47	1	TAL NC	CC
A:8082/DOD	MB 240-66426/4-A		240-66802	240-66426	11/30/2012 18:05	1	TAL NC	LH
P:3540C	MB 240-66777/20-A		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	MB 240-66777/20-A		240-67173	240-66777	12/04/2012 05:57	1	TAL NC	LH
P:8151A	MB 240-65729/4-A		240-67147	240-65729	11/20/2012 09:45	1	TAL NC	BM
A:8151/DOD	MB 240-65729/4-A		240-67147	240-65729	12/04/2012 02:58	1	TAL NC	CR
P:Sieve/Ultrasoni	MB 320-6579/1-A		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	MB 320-6579/1-A		320-6888	320-6579	12/05/2012 20:16	1	TAL WSC	RN
P:Filtration	MB 320-6878/1-A		320-6888	320-6878	12/05/2012 07:38	1	TAL WSC	TP
A:8330 Modified	MB 320-6878/1-A		320-6888	320-6878	12/06/2012 01:45	1	TAL WSC	RN
P:Sieve/Ultrasoni	MB 320-6579/1-A		320-7142	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	MB 320-6579/1-A		320-7142	320-6579	12/10/2012 13:25	1	TAL WSC	RN
P:8330-Prep	MB 320-6172/1-A		320-6772	320-6172	11/20/2012 12:14	1	TAL WSC	TP
A:8330B	MB 320-6172/1-A		320-6772	320-6172	12/04/2012 13:40	1	TAL WSC	RN
P:8330B	MB 320-6559/1-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	MB 320-6559/1-A		320-7240	320-6559	12/11/2012 16:47	1	TAL WSC	RN
P:3005A	MB 240-66568/1-A		240-68088	240-66568	11/28/2012 09:45	1	TAL NC	LM
A:6020/DOD	MB 240-66568/1-A		240-68088	240-66568	12/10/2012 10:22	1	TAL NC	NJT
P:7470A	MB 240-66219/1-A		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	MB 240-66219/1-A		240-66485	240-66219	11/27/2012 15:50	1	TAL NC	DH
P:7471A	MB 240-66416/1-A		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	MB 240-66416/1-A		240-67078	240-66416	11/30/2012 16:17	1	TAL NC	DH
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 240-67293/9-A		240-67491	240-67293	12/04/2012 15:00	1	TAL NC	CN

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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
A:7196A	MB 240-67293/9-A		240-67491	240-67293	12/05/2012 00:00	1	TAL NC	LG
P:353 (NCell-Hyd)	MB 320-6938/1-B		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	MB 320-6938/1-B		320-7008	320-6967	12/06/2012 12:50	1	TAL WSC	JB
P:353 (NCell-Hyd)	MB 320-6877/1-B		320-7008	320-6966	12/06/2012 06:41	1	TAL WSC	TP
A:WS-WC-0050	MB 320-6877/1-B		320-7008	320-6966	12/06/2012 13:56	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

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 240-66239/7		240-66239		11/26/2012 13:54	1	TAL NC	SM
P:3520C	LCS 240-65893/6-A		240-66717	240-65893	11/21/2012 09:42	1	TAL NC	BM
A:8270C/DoD	LCS 240-65893/6-A		240-66717	240-65893	11/29/2012 10:37	1	TAL NC	JG
P:3540C	LCS 240-66393/24-A		240-67225	240-66393	11/27/2012 09:03	1	TAL NC	AC
A:8270C/DoD	LCS 240-66393/24-A		240-67225	240-66393	12/04/2012 10:32	1	TAL NC	JG
P:3540C	LCS 240-66734/5-A		240-67368	240-66734	11/29/2012 09:51	1	TAL NC	AC
A:8270C/DoD	LCS 240-66734/5-A		240-67368	240-66734	12/05/2012 10:37	1	TAL NC	MU
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:3540C	LCS 240-67600/23-A		240-68148	240-67600	12/06/2012 10:45	1	TAL NC	SE
A:8270C/DoD	LCS 240-67600/23-A		240-68148	240-67600	12/11/2012 13:07	1	TAL NC	JG
P:5030B	LCS 240-66387/46		240-66387		11/28/2012 14:38	1	TAL NC	HMB
A:8015B	LCS 240-66387/46		240-66387		11/28/2012 14:38	1	TAL NC	HMB
P:3520C	LCS 240-65900/10-A		240-66500	240-65900	11/21/2012 09:52	1	TAL NC	BM
A:8081/DOD	LCS 240-65900/10-A		240-66500	240-65900	11/29/2012 02:08	1	TAL NC	CV
P:3520C	LCS 240-65899/9-A		240-66171	240-65899	11/21/2012 09:48	1	TAL NC	BM
A:8082/DOD	LCS 240-65899/9-A		240-66171	240-65899	11/24/2012 23:46	1	TAL NC	LH
P:3520C	LCS 240-66426/5-A		240-66802	240-66426	11/27/2012 10:47	1	TAL NC	CC
A:8082/DOD	LCS 240-66426/5-A		240-66802	240-66426	11/30/2012 18:20	1	TAL NC	LH
P:3540C	LCS 240-66777/21-A		240-67173	240-66777	11/29/2012 11:28	1	TAL NC	AC
A:8082/DOD	LCS 240-66777/21-A		240-67173	240-66777	12/04/2012 08:26	1	TAL NC	LH
P:8151A	LCS 240-65729/5-A		240-67147	240-65729	11/20/2012 09:45	1	TAL NC	BM
A:8151/DOD	LCS 240-65729/5-A		240-67147	240-65729	12/04/2012 03:22	1	TAL NC	CR
P:Sieve/Ultrasoni	LCS 320-6579/2-A		320-6888	320-6579	11/29/2012 10:14	1	TAL WSC	HA
A:8330 Modified	LCS 320-6579/2-A		320-6888	320-6579	12/05/2012 20:30	1	TAL WSC	RN
P:Filtration	LCS 320-6878/2-A		320-6888	320-6878	12/05/2012 07:38	1	TAL WSC	TP
A:8330 Modified	LCS 320-6878/2-A		320-6888	320-6878	12/06/2012 01:59	1	TAL WSC	RN
P:8330-Prep	LCS 320-6172/2-A		320-6772	320-6172	11/20/2012 12:14	1	TAL WSC	TP
A:8330B	LCS 320-6172/2-A		320-6772	320-6172	12/04/2012 14:20	1	TAL WSC	RN
P:8330B	LCS 320-6559/2-A		320-7240	320-6559	11/29/2012 08:10	1	TAL WSC	HA
A:8330B	LCS 320-6559/2-A		320-7240	320-6559	12/11/2012 17:27	1	TAL WSC	RN
P:3005A	LCS 240-66568/2-A		240-68088	240-66568	11/28/2012 09:45	1	TAL NC	LM
A:6020/DOD	LCS 240-66568/2-A		240-68088	240-66568	12/10/2012 10:27	1	TAL NC	NJT
P:7470A	LCS 240-66219/2-A		240-66485	240-66219	11/26/2012 15:25	1	TAL NC	SG
A:7470A/DOD	LCS 240-66219/2-A		240-66485	240-66219	11/27/2012 15:57	1	TAL NC	DH
P:7471A	LCS 240-66416/2-A		240-67078	240-66416	11/27/2012 14:25	1	TAL NC	SG
A:7471/DOD	LCS 240-66416/2-A		240-67078	240-66416	11/30/2012 16:19	1	TAL NC	DH
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
P:353 (NCell-Hyd)	LCS 320-6938/2-B		320-7008	320-6967	12/06/2012 07:13	1	TAL WSC	TP
A:WS-WC-0050	LCS 320-6938/2-B		320-7008	320-6967	12/06/2012 12:52	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

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:353 (NCell-Hyd)	LCS 320-6877/2-B		320-7008	320-6966	12/06/2012 06:41	1	TAL WSC	TP
A:WS-WC-0050	LCS 320-6877/2-B		320-7008	320-6966	12/06/2012 13:58	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

Laboratory Chronicle

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 240-66239/5		240-66239		11/26/2012 13:11	1	TAL NC	SM
A:8260B/DoD	MRL 240-66239/31		240-66239		11/26/2012 22:31	1	TAL NC	SM
A:8270C/DoD	MRL 240-66717/3		240-66717		11/29/2012 09:50	1	TAL NC	JG
A:8270C/DoD	MRL 240-66717/26		240-66717		11/29/2012 18:46	1	TAL NC	JG
A:8270C/DoD	MRL 240-67225/3		240-67225		12/04/2012 09:45	1	TAL NC	JG
A:8270C/DoD	MRL 240-67225/25		240-67225		12/04/2012 18:26	1	TAL NC	JG
A:8270C/DoD	MRL 240-67368/3		240-67368		12/05/2012 08:51	1	TAL NC	MU
A:8270C/DoD	MRL 240-67390/3		240-67390		12/05/2012 09:56	1	TAL NC	JG
A:8270C/DoD	MRL 240-67368/15		240-67368		12/05/2012 13:34	1	TAL NC	MU
A:8270C/DoD	MRL 240-67390/26		240-67390		12/05/2012 18:50	1	TAL NC	JG
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
A:8270C/DoD	MRL 240-67761/3		240-67761		12/07/2012 11:42	1	TAL NC	JG
A:8270C/DoD	MRL 240-67761/7		240-67761		12/07/2012 13:15	1	TAL NC	JG
A:8270C/DoD	MRL 240-68148/4		240-68148		12/11/2012 11:34	1	TAL NC	JG
A:8270C/DoD	MRL 240-68148/15		240-68148		12/11/2012 15:50	1	TAL NC	JG
P:5030B	MRL 240-66387/30		240-66387		11/28/2012 04:10	1	TAL NC	HMB
A:8015B	MRL 240-66387/30		240-66387		11/28/2012 04:10	1	TAL NC	HMB
P:5030B	MRL 240-66387/61		240-66387		11/29/2012 00:17	1	TAL NC	HMB
A:8015B	MRL 240-66387/61		240-66387		11/29/2012 00:17	1	TAL NC	HMB
A:8081/DOD	MRL 240-66500/18		240-66500		11/28/2012 09:37	1	TAL NC	CV
A:8081/DOD	MRL 240-66500/56		240-66500		11/29/2012 03:03	1	TAL NC	CV
A:8082/DOD	MRL 240-66171/10		240-66171		11/24/2012 21:32	1	TAL NC	LH
A:8082/DOD	MRL 240-66171/21		240-66171		11/25/2012 00:16	1	TAL NC	LH
A:8082/DOD	MRL 240-66802/4		240-66802		11/30/2012 17:05	1	TAL NC	LH
A:8082/DOD	MRL 240-66802/11		240-66802		11/30/2012 18:50	1	TAL NC	LH
A:8082/DOD	MRL 240-67173/10		240-67173		12/04/2012 03:20	1	TAL NC	LH
A:8082/DOD	MRL 240-67173/32		240-67173		12/04/2012 08:56	1	TAL NC	LH
A:8151/DOD	MRL 240-67147/14		240-67147		12/03/2012 21:03	1	TAL NC	CR
A:8151/DOD	MRL 240-67147/33		240-67147		12/04/2012 04:33	1	TAL NC	CR
A:WS-WC-0050	MRL 320-7008/10		320-7008		12/06/2012 12:40	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-7008/20		320-7008		12/06/2012 13:00	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-7008/34		320-7008		12/06/2012 13:28	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-7008/44		320-7008		12/06/2012 13:48	1	TAL WSC	JB
A:WS-WC-0050	MRL 320-7008/58		320-7008		12/06/2012 14:16	1	TAL WSC	JB

Client: Environmental Chemical Corp. Job Number: 240-17796-1

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 240-67293/11-A		240-67491	240-67293	12/04/2012 15:00	1	TAL NC	CN
P:3060A	LCSS 240-67293/10-A		240-67491	240-67293	12/04/2012 15:00	1	TAL NC	CN
A:7196A	LCSI 240-67293/11-A		240-67491	240-67293	12/05/2012 00:00	1	TAL NC	LG
A:7196A	LCSS 240-67293/10-A		240-67491	240-67293	12/05/2012 00:00	1	TAL NC	LG

Lab References:

TAL NC = TestAmerica Canton

TAL WSC = TestAmerica West Sacramento

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX10PPMSPK_00006	01/25/13	07/25/12	MEOH, Lot 117046	1000 mL	EXPCB1016_00004	2 mL	Aroclor-1016	10 ug/mL
					EXPCB1260_00004	2 mL	Aroclor-1260	10 ug/mL
.EXPCB1016_00004	12/06/15	AccuStandard, Inc., Lot B5120059			(Purchased Reagent)		Aroclor-1016	5000 ug/mL
.EXPCB1260_00004	06/25/13	AccuStandard, Lot B3060258			(Purchased Reagent)		Aroclor-1260	5000 ug/mL
EX2/.2SURRW_00019	04/19/13	10/19/12	MEOH, Lot 123279	2000 mL	EX2/.2SURR_00002	2 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.EX2/.2SURR_00002	10/01/13	Ultra Scientific, Lot CG-3165			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
EXBNASURRW_00021	07/31/15	11/26/12	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
EXHEASPIKEW_00006	11/30/13	09/10/12	MEOH, Lot 115869	100 mL	EXHERBEASPIKE_00017	10 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-DB	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Pentachlorophenol	2.5 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
.EXHERBEASPIKE_00017	11/30/13	ULTRA SCIENTIFIC, Lot CG-1351			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Pentachlorophenol	25 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
EXHERBSURR_00011	11/30/12	08/28/12	MEOH, Lot 117046	500 mL	EXHERBSOILSUR_00009	2 mL	2,4-Dichlorophenylacetic acid	20 ug/mL
.EXHERBSOILSUR_00009	11/30/12	Ultra scientific, Lot CH-3249			(Purchased Reagent)		2,4-Dichlorophenylacetic acid	5000 ug/mL
EXPSTNPDESSPW_00011	02/01/13	08/01/12	MEOH, Lot 117046	200 mL	EXPELCSSTOCK_00002	20 mL	4,4'-DDD	1 ug/mL
							4,4'-DDE	1 ug/mL
							4,4'-DDT	1 ug/mL
							Aldrin	1 ug/mL
							alpha-BHC	1 ug/mL
							alpha-Chlordane	1 ug/mL
							beta-BHC	1 ug/mL
							delta-BHC	1 ug/mL
							Dieldrin	1 ug/mL
							Endosulfan I	1 ug/mL
							Endosulfan II	1 ug/mL
							Endosulfan sulfate	1 ug/mL
							Endrin	1 ug/mL
							Endrin aldehyde	1 ug/mL
							Endrin ketone	1 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							gamma-Chlordane	1 ug/mL
							Heptachlor	1 ug/mL
							Heptachlor epoxide	1 ug/mL
							Methoxychlor	1 ug/mL
.EXPELCSSTOCK_00002	04/30/13	08/02/11	MEOH, Lot 117046	100 mL	EXPESTSTOCK_00005	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL
							Methoxychlor	10 ug/mL
..EXPESTSTOCK_00005	04/30/13		ULTRA, Lot CH-0689		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
EXRESTEKSPKW_00017	12/20/12	12/04/12	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Safrole, Total	100 ug/mL
MTAQUAREGIA_00398	11/27/12	11/27/12	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_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 %
MTH2S04_00010	10/09/14	Macron, Lot K20042			(Purchased Reagent)		Sulfuric acid	100 %
MTHCL_00047	11/12/14	Macron Chemical, Lot 0000013500			(Purchased Reagent)		Hydrogen Chloride	100 %
MTHGCALW_00283	11/26/12	11/26/12	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 %
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_00435	11/26/12	11/26/12	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_00436	11/27/12	11/27/12	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_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 %
MTHNO3_00037	11/12/14	Macron Chemicals, Lot L03021			(Purchased Reagent)		Nitric acid	100 %
MTICPMS2_00009	07/10/13	High Purity Standards, Lot 1218529			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Magnesium	1000 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
MTICPMSA_00010	09/11/13	High Purity Standards, Lot 1225405			(Purchased Reagent)		Arsenic	100 ug/mL
							Barium	100 ug/mL
							Beryllium	100 ug/mL
							Cadmium	100 ug/mL
							Chromium	100 ug/mL
							Cobalt	100 ug/mL
							Copper	100 ug/mL
							Lead	100 ug/mL
							Manganese	100 ug/mL
							Nickel	100 ug/mL
							Selenium	100 ug/mL
							Sr	100 ug/mL
							Thallium	25 ug/mL
							Vanadium	100 ug/mL
							Zinc	100 ug/mL
MTICPMSB_00010	09/11/13	High Purity Standards, Lot 1225412			(Purchased Reagent)		Antimony	10 ug/mL
							B	10 ug/mL
							Mo	10 ug/mL
							Silver	10 ug/mL
							Sn	10 ug/mL
							Ti	10 ug/mL
							W	10 ug/mL
MTK2S208RGNT_00029	11/19/14	11/19/12	DIWATER, Lot DIWATER	2 L	MTK2S208_00008	100 g	Potassium persulfate	0.05 g/g
.MTK2S208_00008	10/03/17	Fisher, Lot 117411			(Purchased Reagent)		Potassium persulfate	1 g/g
MTKMnO4Liq_00006	10/31/14	Ricca Chemical Company, Lot 2210830			(Purchased Reagent)		Potassium Permanganate	1 g
MTMSCAL2CCVW_00054	05/29/13	11/29/12	DIWATER, Lot DIWATER	500 mL	MTMSCAL3_00005	10 mL	Aluminum	500 ug/L
							Arsenic	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Calcium	50000 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Iron	25000 ug/L
							Lead	100 ug/L
							Magnesium	50000 ug/L
							Manganese	500 ug/L
							Nickel	100 ug/L
							Potassium	50000 ug/L
							Selenium	100 ug/L
							Silver	100 ug/L
							Sodium	50000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MTMSCAL4_00006	10 mL	Antimony	100 ug/L
.MTMSCAL3_00005	08/01/13	INORGANIC VENTURES, Lot F2-MEB428149			(Purchased Reagent)		Aluminum	25 ug/mL
							Arsenic	5 ug/mL
							Barium	5 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Calcium	2500 ug/mL
							Chromium	5 ug/mL
							Cobalt	5 ug/mL
							Copper	5 ug/mL
							Iron	1250 ug/mL
							Lead	5 ug/mL
							Magnesium	2500 ug/mL
							Manganese	25 ug/mL
							Nickel	5 ug/mL
							Potassium	2500 ug/mL
							Selenium	5 ug/mL
							Silver	5 ug/mL
							Sodium	2500 ug/mL
							Thallium	5 ug/mL
							Vanadium	5 ug/mL
							Zinc	5 ug/mL
.MTMSCAL4_00006	08/01/13	INORGANIC VENTURES, Lot F2-MEB428150			(Purchased Reagent)		Antimony	5 ug/mL
MTMSCAL3W_00017	05/07/13	11/07/12	DIWATER, Lot DIWATER	250 mL	MTMSCAL3_00005	10 mL	Aluminum	1000 ug/L
							Arsenic	200 ug/L
							Barium	200 ug/L
							Beryllium	200 ug/L
							Cadmium	200 ug/L
							Calcium	100000 ug/L
							Chromium	200 ug/L
							Cobalt	200 ug/L
							Copper	200 ug/L
							Iron	50000 ug/L
							Lead	200 ug/L
							Magnesium	100000 ug/L
							Manganese	1000 ug/L
							Nickel	200 ug/L
							Potassium	100000 ug/L
							Selenium	200 ug/L
							Silver	200 ug/L
							Sodium	100000 ug/L
							Thallium	200 ug/L
							Vanadium	200 ug/L
							Zinc	200 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MTMSCAL3_00005	08/01/13	INORGANIC VENTURES, Lot F2-MEB428149			(Purchased Reagent)		Aluminum	25 ug/mL
							Arsenic	5 ug/mL
							Barium	5 ug/mL
							Beryllium	5 ug/mL
							Cadmium	5 ug/mL
							Calcium	2500 ug/mL
							Chromium	5 ug/mL
							Cobalt	5 ug/mL
							Copper	5 ug/mL
							Iron	1250 ug/mL
							Lead	5 ug/mL
							Magnesium	2500 ug/mL
							Manganese	25 ug/mL
							Nickel	5 ug/mL
							Potassium	2500 ug/mL
							Selenium	5 ug/mL
							Silver	5 ug/mL
							Sodium	2500 ug/mL
							Thallium	5 ug/mL
							Vanadium	5 ug/mL
							Zinc	5 ug/mL
MTMSCAL4W_00014	03/28/13	09/28/12	DIWATER, Lot DIWATER	250 mL	MTMSCAL4_00006	10 mL	Antimony	200 ug/L
.MTMSCAL4_00006	08/01/13	INORGANIC VENTURES, Lot F2-MEB428150			(Purchased Reagent)		Antimony	5 ug/mL
MTMSCRIW_00028	05/20/13	11/20/12	DIWATER, Lot DIWATER	200 mL	MTMSCRI_00004	1 mL	Aluminum	50 ug/L
							Antimony	2 ug/L
							Arsenic	2 ug/L
							Barium	1 ug/L
							Beryllium	1 ug/L
							Cadmium	0.5 ug/L
							Calcium	1000 ug/L
							Chromium	2 ug/L
							Cobalt	1 ug/L
							Copper	2 ug/L
							Iron	50 ug/L
							Lead	1 ug/L
							Magnesium	1000 ug/L
							Manganese	1 ug/L
							Nickel	2 ug/L
							Potassium	1000 ug/L
							Selenium	2 ug/L
							Silver	0.5 ug/L
							Sodium	1000 ug/L
							Thallium	1 ug/L
							Vanadium	5 ug/L
							Zinc	10 ug/L
.MTMSCRI_00004	09/28/13	HIGH PURITY STANDARDS, Lot 1226917			(Purchased Reagent)		Aluminum	10 ug/mL
							Antimony	0.4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	0.4 ug/mL
							Barium	0.2 ug/mL
							Beryllium	0.2 ug/mL
							Cadmium	0.1 ug/mL
							Calcium	200 ug/mL
							Chromium	0.4 ug/mL
							Cobalt	0.2 ug/mL
							Copper	0.4 ug/mL
							Iron	10 ug/mL
							Lead	0.2 ug/mL
							Magnesium	200 ug/mL
							Manganese	0.2 ug/mL
							Nickel	0.4 ug/mL
							Potassium	200 ug/mL
							Selenium	0.4 ug/mL
							Silver	0.1 ug/mL
							Sodium	200 ug/mL
							Thallium	0.2 ug/mL
							Vanadium	1 ug/mL
							Zinc	2 ug/mL
MTMSICSABW_00019	05/01/13	11/05/12	DIWATER, Lot DIWATER	200 mL	MTMSICSA_00007	10 mL	Aluminum	50000 ug/L
							Calcium	50000 ug/L
							Iron	50000 ug/L
							Magnesium	50000 ug/L
							Mo	1100 ug/L
							Potassium	50000 ug/L
							Sodium	50000 ug/L
					MTMSICSABSOLA_00003	1 mL	Arsenic	100 ug/L
							B	100 ug/L
							Barium	100 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Chromium	100 ug/L
							Cobalt	100 ug/L
							Copper	100 ug/L
							Lead	100 ug/L
							Manganese	100 ug/L
							Nickel	100 ug/L
							Selenium	100 ug/L
							Sr	100 ug/L
							Thallium	100 ug/L
							Vanadium	100 ug/L
							Zinc	100 ug/L
					MTMSICSABSOLB_00003	1 mL	Antimony	100 ug/L
							Mo	1100 ug/L
							Silver	100 ug/L
							Sn	100 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MTMSICSA_00007	05/01/13	INORGANIC VENTURES, Lot E2MEB371022			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Mo	20 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
.MTMSICSABSOLA_00003	07/10/13	HIGH PURITY STANDARDS, Lot 1218526			(Purchased Reagent)		Arsenic	20 ug/mL
							B	20 ug/mL
							Barium	20 ug/mL
							Beryllium	20 ug/mL
							Cadmium	20 ug/mL
							Chromium	20 ug/mL
							Cobalt	20 ug/mL
							Copper	20 ug/mL
							Lead	20 ug/mL
							Manganese	20 ug/mL
							Nickel	20 ug/mL
							Selenium	20 ug/mL
							Sr	20 ug/mL
							Thallium	20 ug/mL
							Vanadium	20 ug/mL
							Zinc	20 ug/mL
.MTMSICSABSOLB_00003	07/10/13	HIGH PURITY STANDARDS, Lot 1218527			(Purchased Reagent)		Antimony	20 ug/mL
							Mo	20 ug/mL
							Silver	20 ug/mL
							Sn	20 ug/mL
MTMSICSAW_00020	05/01/13	11/07/12	DIWATER, Lot DIWATER	200 mL	MTMSICSA_00007	10 mL	Aluminum	50000 ug/L
							Calcium	50000 ug/L
							Iron	50000 ug/L
							Magnesium	50000 ug/L
							Mo	1000 ug/L
							Potassium	50000 ug/L
							Sodium	50000 ug/L
.MTMSICSA_00007	05/01/13	INORGANIC VENTURES, Lot E2MEB371022			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Mo	20 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
MTMSICVW_00017	01/16/13	09/28/12	DIWATER, Lot DIWATER	250 mL	MTMSICV1_00003	10 mL	Aluminum	400 ug/L
							Arsenic	80 ug/L
							Barium	80 ug/L
							Beryllium	80 ug/L
							Cadmium	80 ug/L
							Calcium	40000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	80 ug/L
							Cobalt	80 ug/L
							Copper	80 ug/L
							Iron	20000 ug/L
							Lead	80 ug/L
							Magnesium	40000 ug/L
							Manganese	400 ug/L
							Nickel	80 ug/L
							Potassium	40000 ug/L
							Selenium	80 ug/L
							Silver	80 ug/L
							Sodium	40000 ug/L
							Thallium	80 ug/L
							Vanadium	80 ug/L
							Zinc	80 ug/L
					MTMSICV2_00003	10 mL	Antimony	80 ug/L
.MTMSICV1_00003	01/16/13	HIGH PURITY STANDARDS, Lot 1201317			(Purchased Reagent)		Aluminum	10 ug/mL
							Arsenic	2 ug/mL
							Barium	2 ug/mL
							Beryllium	2 ug/mL
							Cadmium	2 ug/mL
							Calcium	1000 ug/mL
							Chromium	2 ug/mL
							Cobalt	2 ug/mL
							Copper	2 ug/mL
							Iron	500 ug/mL
							Lead	2 ug/mL
							Magnesium	1000 ug/mL
							Manganese	10 ug/mL
							Nickel	2 ug/mL
							Potassium	1000 ug/mL
							Selenium	2 ug/mL
							Silver	2 ug/mL
							Sodium	1000 ug/mL
							Thallium	2 ug/mL
							Vanadium	2 ug/mL
							Zinc	2 ug/mL
.MTMSICV2_00003	07/10/13	HIGH PURITY STANDARDS, Lot 1218720			(Purchased Reagent)		Antimony	2 ug/mL
SG 1660 ICV_00003	07/03/13	07/03/12	HEXANE, Lot K42e19	10 mL	SG 1016 ICV_00004	1 mL	Aroclor-1016	10 ug/mL
					SG 1260 ICV_00005	1 mL	Aroclor-1260	10 ug/mL
.SG 1016 ICV_00004	03/31/17	ULTRA, Lot CF-0785			(Purchased Reagent)		Aroclor-1016	100 ug/mL
.SG 1260 ICV_00005	12/31/14	ULTRA, Lot CC-3829			(Purchased Reagent)		Aroclor-1260	100 ug/mL
SG1221ICV_00006	08/27/13	08/27/12	HEXANE, Lot L03E01	10 mL	SG 1221 ICV_00003	1 mL	Aroclor-1221	10000 ug/L
.SG 1221 ICV_00003	12/31/14	Ultra Scientific, Lot CB-1791z			(Purchased Reagent)		Aroclor-1221	100 ug/mL
SG1232@0.05PP_00005	12/05/12	06/05/12	HEXANE, Lot J42E19	100 mL	SG1232@10ppm_00002	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.1PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL
							PCB-1232 Peak 4	0.1 ug/mL
							PCB-1232 Peak 5	0.1 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.2PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42e19	100 mL	SG1232@10ppm_00002	2 mL	PCB-1232 Peak 1	0.2 ug/mL
							PCB-1232 Peak 2	0.2 ug/mL
							PCB-1232 Peak 3	0.2 ug/mL
							PCB-1232 Peak 4	0.2 ug/mL
							PCB-1232 Peak 5	0.2 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@0.5PPM_00008	12/08/12	07/12/12	HEXANE, Lot K42e19	100 mL	SG1232@10ppm_00002	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@1.0PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	10 mL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232@2.0PPM_00004	12/05/12	06/05/12	HEXANE, Lot K42E19	100 mL	SG1232@10ppm_00002	20 mL	PCB-1232 Peak 1	2 ug/mL
							PCB-1232 Peak 2	2 ug/mL
							PCB-1232 Peak 3	2 ug/mL
							PCB-1232 Peak 4	2 ug/mL
							PCB-1232 Peak 5	2 ug/mL
.SG1232@10ppm_00002	12/08/12	12/08/11	HEXANE, Lot K14e23	100 mL	SGPCB1232STD_00004	1 mL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
..SGPCB1232STD_00004	06/09/14		restek, Lot a052599		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
SG1232ICV_00003	05/16/13	05/16/12	HEXANE, Lot K42E19	10 mL	SG 1232 ICV_00003	1 mL	Aroclor-1232	10 ug/mL
.SG 1232 ICV_00003	10/31/14		Ultra Scientific, Lot CG-3213		(Purchased Reagent)		Aroclor-1232	100 ug/mL
SG1242@.05ppm_00004	01/03/13	07/03/12	HEXANE, Lot k142e19	100 mL	SG1242@10ppm_00002	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 5	0.05 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.1ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL
							PCB-1242 Peak 5	0.1 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.2ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	2 mL	PCB-1242 Peak 1	0.2 ug/mL
							PCB-1242 Peak 2	0.2 ug/mL
							PCB-1242 Peak 3	0.2 ug/mL
							PCB-1242 Peak 4	0.2 ug/mL
							PCB-1242 Peak 5	0.2 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16		Restek, Lot A068369		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@0.5ppm_00006	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16	Restek, Lot A068369			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@1.0ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	10 mL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16	Restek, Lot A068369			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242@2.0ppm_00004	01/03/13	07/03/12	HEXANE, Lot K42e19	100 mL	SG1242@10ppm_00002	20 mL	PCB-1242 Peak 1	2 ug/mL
							PCB-1242 Peak 2	2 ug/mL
							PCB-1242 Peak 3	2 ug/mL
							PCB-1242 Peak 4	2 ug/mL
							PCB-1242 Peak 5	2 ug/mL
.SG1242@10ppm_00002	01/05/13	01/05/12	HEXANE, Lot K14e23	100 mL	SG1242_00002	1 mL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..SG1242_00002	07/31/16	Restek, Lot A068369			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
SG1242ICV_00003	08/09/13	08/09/12	HEXANE, Lot L08E17	10 mL	SG 1242 ICV_00003	1 mL	Aroclor-1242	10 ug/mL
.SG 1242 ICV_00003	09/30/19	Ultra Scientific, Lot CH-2711			(Purchased Reagent)		Aroclor-1242	100 ug/mL
SG1248@.05ppm_00006	01/04/13	07/04/12	HEXANE, Lot K42E19	100 mL	SG1248@10ppm_00003	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.1PPM_00005	01/04/13	07/04/12	HEXANE, Lot k42E19	100 mL	SG1248@10ppm_00003	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.2ppm_00005	01/04/13	07/04/12	HEXANE, Lot K42E19	100 mL	SG1248@10ppm_00003	2 mL	PCB-1248 Peak 1	0.2 ug/mL
							PCB-1248 Peak 2	0.2 ug/mL
							PCB-1248 Peak 3	0.2 ug/mL
							PCB-1248 Peak 4	0.2 ug/mL
							PCB-1248 Peak 5	0.2 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.5ppm_00006	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@1.0ppm_00004	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	10 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@2.0ppm_00004	01/04/13	07/04/12	HEXANE, Lot K42e19	100 mL	SG1248@10ppm_00003	20 mL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
.SG1248@10ppm_00003	01/05/13	01/05/12	Hexane, Lot K14e23	100 mL	SG1248_00001	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00001	04/20/15		Restek, Lot A059172		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248ICV_00005	02/20/13	02/20/12	HEXANE, Lot K29E03	10 mL	SG 1248 ICV_00003	1 mL	Aroclor-1248	10 ug/mL
.SG 1248 ICV_00003	11/30/19		Ultra Scientific, Lot CH-3256		(Purchased Reagent)		Aroclor-1248	100 ug/mL
SG1254ICV_00004	02/22/13	02/22/12	HEXANE, Lot K29e03	10 mL	SG 1254 ICV_00003	1 mL	Aroclor-1254	10 ug/mL
.SG 1254 ICV_00003	05/31/17		Ultra Scientific, Lot CF-1469		(Purchased Reagent)		Aroclor-1254	100 ug/mL
SG1660@.05PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	0.5 mL	Aroclor-1016	0.05 ug/mL
							Aroclor-1260	0.05 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
					SGPCGSURRSTK_00003	0.125 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.2ppm_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	2 mL	PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 5	0.2 ug/mL
					SGPCGSURRSTK_00003	0.5 mL	DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00012	03/03/13	09/03/12	HEXANE, Lot 0000013019	200 mL	SG1016/1260_00005	10 mL	Aroclor-1016	0.5 ug/mL
							Aroclor-1260	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00013	04/14/13	10/14/12	HEXANE, Lot 000003546	200 mL	SG1016/1260_00005	10 mL	Aroclor-1016	0.5 ug/mL
							Aroclor-1260	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@1.0PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	10 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					SGPCGSURRSTK_00003	2.5 mL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@2.0PPM_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	20 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
					SGPCGSURRSTK_00003	5 mL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18		Restek, Lot a082781		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16		restek, Lot a065184		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660STD@0.1_00005	03/03/13	09/03/12	HEXANE, Lot 0000013019	100 mL	SG1016/1260_00005	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
					SGPCGSURRSTK_00003	0.25 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SG1016/1260_00005	05/30/13	05/30/12	HEXANE, Lot K42e19	100 mL	SG1016/1260MX_00004	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00004	08/31/18	Restek, Lot a082781			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00003	08/31/13	08/31/12	HEXANE, Lot L03E01	100 mL	SGPCBSURRMX_00004	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00004	07/31/16	restek, Lot a065184			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG2154@0.05PP_00003	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.2PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08e17	100 mL	SG2154@10ppm_00002	2 mL	PCB-1221 Peak 1	0.2 ug/mL
							PCB-1221 Peak 2	0.2 ug/mL
							PCB-1221 Peak 3	0.2 ug/mL
							PCB-1254 Peak 1	0.2 ug/mL
							PCB-1254 Peak 2	0.2 ug/mL
							PCB-1254 Peak 3	0.2 ug/mL
							PCB-1254 Peak 4	0.2 ug/mL
							PCB-1254 Peak 5	0.2 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.5PPM_00006	01/31/13	08/02/12	HEXANE, Lot L08e17	100 mL	SG2154@10ppm_00002	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@1.0PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	10 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@2.0PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	20 mL	PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@O.1PPM_00004	01/31/13	08/02/12	HEXANE, Lot L08E17	100 mL	SG2154@10ppm_00002	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.SG2154@10ppm_00002	01/31/13	01/31/12	HEXANE, Lot K29E03	100 mL	SGPCB1221_00002	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00005	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00002	06/17/16		RESTEK, Lot a074947		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00005	09/30/17		restek, Lot A076437		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
sgherbicv_00015	02/03/13	08/03/12	hexane, Lot L08E17	100 mL	SGHERBICV_00012	1 mL	2,4,5-T	0.02 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							2,4-Dichlorophenylacetic acid	0.08 ug/mL
							Dalapon	0.0399 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.012 ug/mL
							MCPA	8 ug/mL
							MCPP	8 ug/mL
							Silvex (2,4,5-TP)	0.02 ug/mL
.SGHERBICV_00012	07/31/13		RESTEK, Lot A083000		(Purchased Reagent)		2,4,5-T	2 ug/mL
							2,4-D	8 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-DB	8 ug/mL
							2,4-Dichlorophenylacetic acid	8 ug/mL
							Dalapon	3.99 ug/mL
							Dicamba	4 ug/mL
							Dichlorprop	8 ug/mL
							Dinoseb	1.2 ug/mL
							MCPA	800 ug/mL
							MCPP	800 ug/mL
							Silvex (2,4,5-TP)	2 ug/mL
SGHERBL1_00009	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	100 uL	2,4,5-T	0.005 ug/mL
							2,4-D	0.02 ug/mL
							2,4-DB	0.02 ug/mL
							2,4-Dichlorophenylacetic acid	0.02 ug/mL
							Dalapon	0.01 ug/mL
							Dicamba	0.01 ug/mL
							Dichlorprop	0.02 ug/mL
							Dinoseb	0.003 ug/mL
							MCPA	2 ug/mL
							MCPP	2 ug/mL
							Silvex (2,4,5-TP)	0.005 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL2_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	200 uL	2,4,5-T	0.01 ug/mL
							2,4-D	0.04 ug/mL
							2,4-DB	0.04 ug/mL
							2,4-Dichlorophenylacetic acid	0.04 ug/mL
							Dalapon	0.02 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dicamba	0.02 ug/mL
							Dichlorprop	0.04 ug/mL
							Dinoseb	0.006 ug/mL
							MCPA	4 ug/mL
							MCPP	4 ug/mL
							Silvex (2,4,5-TP)	0.01 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13		Ultra Scientific, Lot CH-1342		(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL3_00008	02/23/13	08/23/12	HEXANE, Lot L03E01	100 mL	SGHERBST_00009	400 uL	2,4,5-T	0.02 ug/mL
							2,4-D	0.08 ug/mL
							2,4-DB	0.08 ug/mL
							2,4-Dichlorophenylacetic acid	0.08 ug/mL
							Dalapon	0.04 ug/mL
							Dicamba	0.04 ug/mL
							Dichlorprop	0.08 ug/mL
							Dinoseb	0.012 ug/mL
							MCPA	8 ug/mL
							MCPP	8 ug/mL
							Silvex (2,4,5-TP)	0.02 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL4_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	800 uL	2,4,5-T	0.04 ug/mL
							2,4-D	0.16 ug/mL
							2,4-DB	0.16 ug/mL
							2,4-Dichlorophenylacetic acid	0.16 ug/mL
							Dalapon	0.08 ug/mL
							Dicamba	0.08 ug/mL
							Dichlorprop	0.16 ug/mL
							Dinoseb	0.024 ug/mL
							MCPA	16 ug/mL
							MCPP	16 ug/mL
							Silvex (2,4,5-TP)	0.04 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGHERBL5_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	1.6 mL	2,4,5-T	0.08 ug/mL
							2,4-D	0.32 ug/mL
							2,4-DB	0.32 ug/mL
							2,4-Dichlorophenylacetic acid	0.32 ug/mL
							Dalapon	0.16 ug/mL
							Dicamba	0.16 ug/mL
							Dichlorprop	0.32 ug/mL
							Dinoseb	0.048 ug/mL
							MCPA	32 ug/mL
							MCPP	32 ug/mL
							Silvex (2,4,5-TP)	0.08 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHERBL6_00006	05/31/13	11/24/12	HEXANE, Lot 00000014962	100 mL	SGHERBST_00009	3.2 mL	2,4,5-T	0.16 ug/mL
							2,4-D	0.64 ug/mL
							2,4-DB	0.64 ug/mL
							2,4-Dichlorophenylacetic acid	0.64 ug/mL
							Dalapon	0.32 ug/mL
							Dicamba	0.32 ug/mL
							Dichlorprop	0.64 ug/mL
							Dinoseb	0.096 ug/mL
							MCPA	64 ug/mL
							MCPP	64 ug/mL
							Silvex (2,4,5-TP)	0.16 ug/mL
.SGHERBST_00009	05/31/13	08/23/12	HEXANE, Lot L03E01	10 mL	SGHERB_00015	1 mL	2,4,5-T	5 ug/mL
							2,4-D	20 ug/mL
							2,4-DB	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenylacetic acid	20 ug/mL
							Dalapon	10 ug/mL
							Dicamba	10 ug/mL
							Dichlorprop	20 ug/mL
							Dinoseb	3 ug/mL
							MCPA	2000 ug/mL
							MCPP	2000 ug/mL
							Silvex (2,4,5-TP)	5 ug/mL
..SGHERB_00015	05/31/13	Ultra Scientific, Lot CH-1342			(Purchased Reagent)		2,4,5-T	50 ug/mL
							2,4-D	200 ug/mL
							2,4-DB	200 ug/mL
							2,4-Dichlorophenylacetic acid	200 ug/mL
							Dalapon	100 ug/mL
							Dicamba	100 ug/mL
							Dichlorprop	200 ug/mL
							Dinoseb	30 ug/mL
							MCPA	20000 ug/mL
							MCPP	20000 ug/mL
							Silvex (2,4,5-TP)	50 ug/mL
SGHerbPCP2_00007	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	50 uL	Pentachlorophenol	0.005 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP3_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	100 uL	Pentachlorophenol	0.01 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP4_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	200 uL	Pentachlorophenol	0.02 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP5_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	400 uL	Pentachlorophenol	0.04 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCP6_00005	01/31/13	09/18/12	HEXANE, Lot 0000013019	100 mL	SGHERBPCPST_00006	800 uL	Pentachlorophenol	0.08 ug/mL
.SGHERBPCPST_00006	01/31/13	09/18/12	HEXANE, Lot 00000103019	100 mL	SGHERBPCP_00006	1 mL	Pentachlorophenol	10 ug/mL
..SGHERBPCP_00006	01/31/13	Restek, Lot A079471			(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
SGHerbPCPICV_00001	09/27/12	03/27/12	HEXANE, Lot K34E37	100 mL	SGHerbPCPIVST_00002	100 uL	Pentachlorophenol	0.01003 ug/mL
.SGHerbPCPIVST_00002	03/27/13	03/27/12	HEXANE, Lot K34E37	10 mL	SGHerbPCPIVST_00001	1 mL	Pentachlorophenol	10.03 ug/mL
..SGHerbPCPIVST_00001	01/15/14	AccuStandard, Lot B4010036			(Purchased Reagent)		Pentachlorophenol	100.3 ug/mL
SGPestAB1_00003	03/08/13	09/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	25 uL	4,4'-DDD	0.005 ug/mL
							4,4'-DDE	0.005 ug/mL
							4,4'-DDT	0.005 ug/mL
							Aldrin	0.005 ug/mL
							alpha-BHC	0.005 ug/mL
							alpha-Chlordane	0.005 ug/mL
							beta-BHC	0.005 ug/mL
							delta-BHC	0.005 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dieldrin	0.005 ug/mL
							Endosulfan I	0.005 ug/mL
							Endosulfan II	0.005 ug/mL
							Endosulfan sulfate	0.005 ug/mL
							Endrin	0.005 ug/mL
							Endrin aldehyde	0.005 ug/mL
							Endrin ketone	0.005 ug/mL
							gamma-BHC (Lindane)	0.005 ug/mL
							gamma-Chlordane	0.005 ug/mL
							Heptachlor	0.005 ug/mL
							Heptachlor epoxide	0.005 ug/mL
							Methoxychlor	0.005 ug/mL
							DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB2_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	50 uL	4,4'-DDD	0.01 ug/mL
							4,4'-DDE	0.01 ug/mL
							4,4'-DDT	0.01 ug/mL
							Aldrin	0.01 ug/mL
							alpha-BHC	0.01 ug/mL
							alpha-Chlordane	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							delta-BHC	0.01 ug/mL
							Dieldrin	0.01 ug/mL
							Endosulfan I	0.01 ug/mL
							Endosulfan II	0.01 ug/mL
							Endosulfan sulfate	0.01 ug/mL
							Endrin	0.01 ug/mL
							Endrin aldehyde	0.01 ug/mL
							Endrin ketone	0.01 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							gamma-Chlordane	0.01 ug/mL
							Heptachlor	0.01 ug/mL
							Heptachlor epoxide	0.01 ug/mL
							Methoxychlor	0.01 ug/mL
							DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB3_00004	02/03/13	08/03/12	HEXANE, Lot L08E17	200 mL	SGPESTABST_00003	0.25 mL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SGPESTABST_00003	03/08/13	03/07/12	HEXANE, Lot K29E03	10 mL	SGPESTAB_00004	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00004	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00004	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00004	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGPestAB4_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	250 uL	4,4'-DDD	0.05 ug/mL
							4,4'-DDE	0.05 ug/mL
							4,4'-DDT	0.05 ug/mL
							Aldrin	0.05 ug/mL
							alpha-BHC	0.05 ug/mL
							alpha-Chlordane	0.05 ug/mL
							beta-BHC	0.05 ug/mL
							delta-BHC	0.05 ug/mL
							Dieldrin	0.05 ug/mL
							Endosulfan I	0.05 ug/mL
							Endosulfan II	0.05 ug/mL
							Endosulfan sulfate	0.05 ug/mL
							Endrin	0.05 ug/mL
							Endrin aldehyde	0.05 ug/mL
							Endrin ketone	0.05 ug/mL
							gamma-BHC (Lindane)	0.05 ug/mL
							gamma-Chlordane	0.05 ug/mL
							Heptachlor	0.05 ug/mL
							Heptachlor epoxide	0.05 ug/mL
							Methoxychlor	0.05 ug/mL
							DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB5_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	500 uL	4,4'-DDD	0.1 ug/mL
							4,4'-DDE	0.1 ug/mL
							4,4'-DDT	0.1 ug/mL
							Aldrin	0.1 ug/mL
							alpha-BHC	0.1 ug/mL
							alpha-Chlordane	0.1 ug/mL
							beta-BHC	0.1 ug/mL
							delta-BHC	0.1 ug/mL
							Dieldrin	0.1 ug/mL
							Endosulfan I	0.1 ug/mL
							Endosulfan II	0.1 ug/mL
							Endosulfan sulfate	0.1 ug/mL
							Endrin	0.1 ug/mL
							Endrin aldehyde	0.1 ug/mL
							Endrin ketone	0.1 ug/mL
							gamma-BHC (Lindane)	0.1 ug/mL
							gamma-Chlordane	0.1 ug/mL
							Heptachlor	0.1 ug/mL
							Heptachlor epoxide	0.1 ug/mL
							Methoxychlor	0.1 ug/mL
							DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPestAB6_00003	03/07/13	03/07/12	HEXANE, Lot 0000013019	100 mL	SGPESTABST_00004	1 mL	4,4'-DDD	0.2 ug/mL
							4,4'-DDE	0.2 ug/mL
							4,4'-DDT	0.2 ug/mL
							Aldrin	0.2 ug/mL
							alpha-BHC	0.2 ug/mL
							alpha-Chlordane	0.2 ug/mL
							beta-BHC	0.2 ug/mL
							delta-BHC	0.2 ug/mL
							Dieldrin	0.2 ug/mL
							Endosulfan I	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan II	0.2 ug/mL
							Endosulfan sulfate	0.2 ug/mL
							Endrin	0.2 ug/mL
							Endrin aldehyde	0.2 ug/mL
							Endrin ketone	0.2 ug/mL
							gamma-BHC (Lindane)	0.2 ug/mL
							gamma-Chlordane	0.2 ug/mL
							Heptachlor	0.2 ug/mL
							Heptachlor epoxide	0.2 ug/mL
							Methoxychlor	0.2 ug/mL
							DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.SGPESTABST_00004	09/07/13	09/07/12	HEXANE, Lot 0000013019	10 mL	SGPESTAB_00006	1 mL	4,4'-DDD	20 ug/mL
							4,4'-DDE	20 ug/mL
							4,4'-DDT	20 ug/mL
							Aldrin	20 ug/mL
							alpha-BHC	20 ug/mL
							alpha-Chlordane	20 ug/mL
							beta-BHC	20 ug/mL
							delta-BHC	20 ug/mL
							Dieldrin	20 ug/mL
							Endosulfan I	20 ug/mL
							Endosulfan II	20 ug/mL
							Endosulfan sulfate	20 ug/mL
							Endrin	20 ug/mL
							Endrin aldehyde	20 ug/mL
							Endrin ketone	20 ug/mL
							gamma-BHC (Lindane)	20 ug/mL
							gamma-Chlordane	20 ug/mL
							Heptachlor	20 ug/mL
							Heptachlor epoxide	20 ug/mL
							Methoxychlor	20 ug/mL
					SGPESTSURR_00003	1 mL	DCB Decachlorobiphenyl	20 ug/mL
							Tetrachloro-m-xylene	20 ug/mL
..SGPESTAB_00006	08/31/14		Restek, Lot A076528		(Purchased Reagent)		4,4'-DDD	200 ug/mL
							4,4'-DDE	200 ug/mL
							4,4'-DDT	200 ug/mL
							Aldrin	200 ug/mL
							alpha-BHC	200 ug/mL
							alpha-Chlordane	200 ug/mL
							beta-BHC	200 ug/mL
							delta-BHC	200 ug/mL
							Dieldrin	200 ug/mL
							Endosulfan I	200 ug/mL
							Endosulfan II	200 ug/mL
							Endosulfan sulfate	200 ug/mL
							Endrin	200 ug/mL
							Endrin aldehyde	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin ketone	200 ug/mL
							gamma-BHC (Lindane)	200 ug/mL
							gamma-Chlordane	200 ug/mL
							Heptachlor	200 ug/mL
							Heptachlor epoxide	200 ug/mL
							Methoxychlor	200 ug/mL
..SGPESTSURR_00003	04/30/19		Restek, Lot A084532		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SGPESTABCV_00010	01/27/13	08/02/12	HEXANE, Lot L08E19	100 mL	SGPESTABIC_00004	250 uL	4,4'-DDD	0.025 ug/mL
							4,4'-DDE	0.025 ug/mL
							4,4'-DDT	0.025 ug/mL
							Aldrin	0.025 ug/mL
							alpha-BHC	0.025 ug/mL
							alpha-Chlordane	0.025 ug/mL
							beta-BHC	0.025 ug/mL
							delta-BHC	0.025 ug/mL
							Dieldrin	0.025 ug/mL
							Endosulfan I	0.025 ug/mL
							Endosulfan II	0.025 ug/mL
							Endosulfan sulfate	0.025 ug/mL
							Endrin	0.025 ug/mL
							Endrin aldehyde	0.025 ug/mL
							Endrin ketone	0.025 ug/mL
							gamma-BHC (Lindane)	0.025 ug/mL
							gamma-Chlordane	0.025 ug/mL
							Heptachlor	0.025 ug/mL
							Heptachlor epoxide	0.025 ug/mL
							Methoxychlor	0.025 ug/mL
.SGPESTABIC_00004	07/27/13	07/27/12	HEXANE, Lot L08E17	100 mL	SGPESTABIV_00007	1 mL	4,4'-DDD	10 ug/mL
							4,4'-DDE	10 ug/mL
							4,4'-DDT	10 ug/mL
							Aldrin	10 ug/mL
							alpha-BHC	10 ug/mL
							alpha-Chlordane	10 ug/mL
							beta-BHC	10 ug/mL
							delta-BHC	10 ug/mL
							Dieldrin	10 ug/mL
							Endosulfan I	10 ug/mL
							Endosulfan II	10 ug/mL
							Endosulfan sulfate	10 ug/mL
							Endrin	10 ug/mL
							Endrin aldehyde	10 ug/mL
							Endrin ketone	10 ug/mL
							gamma-BHC (Lindane)	10 ug/mL
							gamma-Chlordane	10 ug/mL
							Heptachlor	10 ug/mL
							Heptachlor epoxide	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methoxychlor	10 ug/mL
..SGPESTABIV_00007	12/31/13	Ultra Scientific, Lot CH-3658			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
SGPESTPEM_00007	01/11/13	07/14/11	HEXANE, Lot K42E19	100 mL	SGPESTPEMS_00006	1 mL	4,4'-DDT	0.1 ug/mL
							alpha-BHC	0.01 ug/mL
							beta-BHC	0.01 ug/mL
							Endrin	0.05 ug/mL
							gamma-BHC (Lindane)	0.01 ug/mL
							Methoxychlor	0.25 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SGPESTPEMS_00006	02/28/14	Restek, Lot A073209			(Purchased Reagent)		4,4'-DDT	10 ug/mL
							alpha-BHC	1 ug/mL
							beta-BHC	1 ug/mL
							Endrin	5 ug/mL
							gamma-BHC (Lindane)	1 ug/mL
							Methoxychlor	25 ug/mL
							Tetrachloro-m-xylene	1 ug/mL
SGPESTTOXI_00003	02/02/13	01/10/12	HEXANE, Lot K12E23	100 mL	SGPESTTOX_00011	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00011	02/28/14	SUPELCO, Lot LB82082			(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SGPESTTOXS_00006	07/27/13	07/31/12	HEXANE, Lot L08E17	100 mL	SGPESTTOX_00012	1 mL	Toxaphene	10 ug/mL
							Toxaphene Peak 1	10 ug/mL
							Toxaphene Peak 2	10 ug/mL
							Toxaphene Peak 3	10 ug/mL
							Toxaphene Peak 4	10 ug/mL
							Toxaphene Peak 5	10 ug/mL
.SGPESTTOX_00012	06/30/15		Restek, Lot A080394		(Purchased Reagent)		Toxaphene	1000 ug/mL
							Toxaphene Peak 1	1000 ug/mL
							Toxaphene Peak 2	1000 ug/mL
							Toxaphene Peak 3	1000 ug/mL
							Toxaphene Peak 4	1000 ug/mL
							Toxaphene Peak 5	1000 ug/mL
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
							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-Chloroaniline	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzoic acid	20 ug/mL
							Benzyl alcohol	10 ug/mL
							bis (2-chloroisopropyl) ether	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
.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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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
							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
							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-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-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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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-Chloroaniline	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
							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-chloroisopropyl) ether	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

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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-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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	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
							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

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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
							2-Methylnaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Hexachlorobutadiene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							2-Methylnaphthalene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Hexachlorobutadiene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Dimethyl phthalate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							4,6-Dinitro-2-methylphenol	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Dimethyl phthalate	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							N-Nitrosodi-n-propylamine	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							4-Bromophenyl phenyl ether	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							N-Nitrosodi-n-propylamine	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							4-Bromophenyl phenyl ether	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Caprolactam	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							2,4-Dichlorophenol	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Caprolactam	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							1,2-Dinitrobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							3-Nitroaniline	400 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							1,2-Dinitrobenzene	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
VGGASCAL_00021	11/03/12	08/03/12	MEOH, Lot 117046	50 mL	VGGASDIL_00006	500 uL	C6-C10	100 ug/mL
							C6-C12	100 ug/mL
.VGGASDIL_00006	12/28/12	06/28/12	MEOH, Lot 117046	50 mL	VGGASSTOCK_00013	0.5 g	C6-C10	10000 ug/mL
							C6-C12	10000 ug/mL
..VGGASSTOCK_00013	10/31/13		ULTRA SCIENTIFIC, Lot S-0681W		(Purchased Reagent)		C6-C10	1 g/g
							C6-C12	1 g/g
VGGASCAL_00022	12/28/12	10/31/12	MEOH, Lot 123279	50 mL	VGGASDIL_00006	500 uL	C6-C12	100 ug/mL
.VGGASDIL_00006	12/28/12	06/28/12	MEOH, Lot 117046	50 mL	VGGASSTOCK_00013	0.5 g	C6-C12	10000 ug/mL
..VGGASSTOCK_00013	10/31/13		ULTRA SCIENTIFIC, Lot S-0681W		(Purchased Reagent)		C6-C12	1 g/g
VGGASCHK_00019	10/27/12	07/27/12	MEOH, Lot 115869	50 mL	VGGASCHKSTK_00016	1 mL	C6-C12	100 ug/mL
.VGGASCHKSTK_00016	04/05/15		ACCU STANDARD, Lot B5040009		(Purchased Reagent)		C6-C12	5 mg/mL
VGGASCHK_00024	02/20/13	11/20/12	MEOH, Lot 123279	50 mL	VGGASCHKSTK_00019	1 mL	C6-C12	100 ug/mL
.VGGASCHKSTK_00019	04/05/15		ACCU STANDARD, Lot B5040009		(Purchased Reagent)		C6-C12	5 mg/mL
VGGASURROGATE_00014	12/05/12	06/05/12	MEOH, Lot 51304	50 mL	VGSURRSTKGAS_00012	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00012	07/31/14		ULTRA SCIENTIFIC, Lot CE-1903A		(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VGGASURROGATE_00016	01/12/13	10/12/12	MEOH, Lot 123279	50 mL	VGSURRSTKGAS_00013	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00013	07/31/14		ULTRA SCIENTIFIC, Lot CE-1903A		(Purchased Reagent)		Trifluorotoluene (Surr)	2000 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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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
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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Benzene	25 ug/mL
							Bromodichloromethane	25 ug/mL
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-1,3-Dichloropropene	25 ug/mL
							Trichloroethene	25 ug/mL
							Xylenes, Total	75 ug/mL
							Bromochloromethane	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Bromoform	25 ug/mL
							Carbon disulfide	25 ug/mL
							Carbon tetrachloride	25 ug/mL
							Chlorobenzene	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Ethylbenzene	25 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	25 ug/mL
							Methylene Chloride	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	7500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
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
							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	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)		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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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	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)		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
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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP34DNTSU_00007	03/13/13	09/13/12	Acetonitrile, Lot 0000732	50 mL	HP8330SU_00007	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
.HP8330SU_00007	03/13/13	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
.HP8330SU_00008	05/15/13	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
HP8330IC_00005	10/19/12	06/13/12	25% 0.1%HOAc in ACN, Lot 4457-41A	10 mL	HP8330TA_00007	25 uL	1,3,5-Trinitrobenzene	500 ng/mL
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPNGTA_00011	5 uL	Nitroglycerin	500 ng/mL
					HPPETNTA_00006	5 uL	PETN	500 ng/mL
.HP8330TA_00007	10/30/12	Cerilliant, Lot ER083011-01			(Purchased Reagent)		1,3,5-Trinitrobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							2,4,6-Trinitrotoluene	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Amino-4,6-dinitrotoluene	200 ug/mL
							2-Nitrotoluene	200 ug/mL
							3-Nitrotoluene	200 ug/mL
							4-Amino-2,6-dinitrotoluene	200 ug/mL
							4-Nitrotoluene	200 ug/mL
							HMX	200 ug/mL
							Nitrobenzene	200 ug/mL
							RDX	200 ug/mL
							Tetryl	200 ug/mL
.HPNGTA_00011	10/31/12	Cerilliant, Lot FN052106-01			(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNTA_00006	10/30/12	Cerilliant, Lot FN102810-02			(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00002	12/07/12	07/27/12	25:75 HOAc/ACN, Lot 4457-41E	50 mL	HP34DNTSU_00004	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00006	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGSP_00004	20 uL	Nitroglycerin	20 ng/mL
					HPPETNSP_00003	20 uL	PETN	20 ng/mL
.HP34DNTSU_00004	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00004	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00004	12/07/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HP8330SP_00005	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330SP_00005	12/11/12		Restek, Lot A078069		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330ICL_00003	05/11/13	12/11/12	25:75 HOAc/ACN, Lot 4457-69F	50 mL	HP34DNTSU_00008	20 uL	3,4-Dinitrotoluene	20 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HP8330SP_00011	5 uL	1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
					HPNGPETNSP_00001	20 uL	Nitroglycerin	20 ng/mL
							PETN	20 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13	Restek, Lot A087054			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15	Restek, Lot A084334			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.HPNGPETNSP_00001	05/11/13	12/11/12	Methanol, Lot Methanol_00001	25 mL	HPNGTA_00012	1.25 mL	Nitroglycerin	50 ug/mL
					HPPETNTA_00010	1.25 mL	PETN	50 ug/mL
..HPNGTA_00012	05/30/16	Restek, Lot A082035			(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPETNTA_00010	11/30/16	Restek, Lot A085138			(Purchased Reagent)		PETN	1000 ug/mL
HP8330L1_00004	12/07/12	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-51G	50 mL	HP8330L4_00003	5 mL	3,4-Dinitrotoluene	5 ng/mL
							3,5-Dinitroaniline	5 ng/mL
							1,3,5-Trinitrobenzene	5 ng/mL
							1,3-Dinitrobenzene	5 ng/mL
							2,4,6-Trinitrotoluene	5 ng/mL
							2,4-Dinitrotoluene	5 ng/mL
							2,6-Dinitrotoluene	5 ng/mL
							2-Amino-4,6-dinitrotoluene	5 ng/mL
							2-Nitrotoluene	5 ng/mL
							3-Nitrotoluene	5 ng/mL
							4-Amino-2,6-dinitrotoluene	5 ng/mL
							4-Nitrotoluene	5 ng/mL
							HMX	5 ng/mL
							Nitrobenzene	5 ng/mL
							RDX	5 ng/mL
							Tetryl	5 ng/mL
							Ethylene glycol dinitrate	5 ng/mL
							Nitroglycerin	5 ng/mL
							2,4,6-Trinitrophenol	10 ng/mL
							PETN	5 ng/mL
.HP8330L4_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00008	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00003	50 uL	Ethylene glycol dinitrate	50 ng/mL
					HPNGSP_00004	50 uL	Nitroglycerin	50 ng/mL
					HPPASP_00006	100 uL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00003	50 uL	PETN	50 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
...HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
..HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
...HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
...HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
..HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
...HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
..HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
...HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
..HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
...HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
..HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
...HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L2_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	10 uL	3,4-Dinitrotoluene	10 ng/mL
					HP8330SP_00008	10 uL	3,5-Dinitroaniline	10 ng/mL
							1,3,5-Trinitrobenzene	10 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	10 ng/mL
							2,4,6-Trinitrotoluene	10 ng/mL
							2,4-Dinitrotoluene	10 ng/mL
							2,6-Dinitrotoluene	10 ng/mL
							2-Amino-4,6-dinitrotoluene	10 ng/mL
							2-Nitrotoluene	10 ng/mL
							3-Nitrotoluene	10 ng/mL
							4-Amino-2,6-dinitrotoluene	10 ng/mL
							4-Nitrotoluene	10 ng/mL
							HMX	10 ng/mL
							Nitrobenzene	10 ng/mL
							RDX	10 ng/mL
							Tetryl	10 ng/mL
					HPEGDNSP_00003	10 uL	Ethylene glycol dinitrate	10 ng/mL
					HPNGSP_00004	10 uL	Nitroglycerin	10 ng/mL
					HPPASP_00006	20 uL	2,4,6-Trinitrophenol	20 ng/mL
					HPPETNSP_00003	10 uL	PETN	10 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L3_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	20 uL	3,4-Dinitrotoluene	20 ng/mL
					HP8330SP_00008	20 uL	3,5-Dinitroaniline	20 ng/mL
							1,3,5-Trinitrobenzene	20 ng/mL
							1,3-Dinitrobenzene	20 ng/mL
							2,4,6-Trinitrotoluene	20 ng/mL
							2,4-Dinitrotoluene	20 ng/mL
							2,6-Dinitrotoluene	20 ng/mL
							2-Amino-4,6-dinitrotoluene	20 ng/mL
							2-Nitrotoluene	20 ng/mL
							3-Nitrotoluene	20 ng/mL
							4-Amino-2,6-dinitrotoluene	20 ng/mL
							4-Nitrotoluene	20 ng/mL
							HMX	20 ng/mL
							Nitrobenzene	20 ng/mL
							RDX	20 ng/mL
							Tetryl	20 ng/mL
					HPEGDNSP_00003	20 uL	Ethylene glycol dinitrate	20 ng/mL
					HPNGSP_00004	20 uL	Nitroglycerin	20 ng/mL
					HPPASP_00006	50 uL	2,4,6-Trinitrophenol	50 ng/mL
					HPPETNSP_00003	20 uL	PETN	20 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L4_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	50 mL	HP34DNTSU_00005	50 uL	3,4-Dinitrotoluene	50 ng/mL
					HP8330SP_00008	50 uL	3,5-Dinitroaniline	50 ng/mL
							1,3,5-Trinitrobenzene	50 ng/mL
							1,3-Dinitrobenzene	50 ng/mL
							2,4,6-Trinitrotoluene	50 ng/mL
							2,4-Dinitrotoluene	50 ng/mL
							2,6-Dinitrotoluene	50 ng/mL
							2-Amino-4,6-dinitrotoluene	50 ng/mL
							2-Nitrotoluene	50 ng/mL
							3-Nitrotoluene	50 ng/mL
							4-Amino-2,6-dinitrotoluene	50 ng/mL
							4-Nitrotoluene	50 ng/mL
							HMX	50 ng/mL
							Nitrobenzene	50 ng/mL
							RDX	50 ng/mL
							Tetryl	50 ng/mL
					HPEGDNSP_00003	50 uL	Ethylene glycol dinitrate	50 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HPNGSP_00004	50 uL	Nitroglycerin	50 ng/mL
					HPPASP_00006	100 uL	2,4,6-Trinitrophenol	100 ng/mL
					HPPETNSP_00003	50 uL	PETN	50 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HP8330L5_00004	12/07/12	08/29/12	25% 1%HoAC in ACN 75, Lot 4457-17F	200 mL	HP34DNTSU_00005	400 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00008	400 uL	3,5-Dinitroaniline	100 ng/mL
							1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPEGDNSP_00003	400 uL	Ethylene glycol dinitrate	100 ng/mL
					HPNGSP_00004	400 uL	Nitroglycerin	100 ng/mL
					HPPASP_00006	800 uL	2,4,6-Trinitrophenol	200 ng/mL
					HPPETNSP_00003	400 uL	PETN	100 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13	Restek, Lot A082463			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16	Restek, Lot A085338			(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15	Restek, Lot A084334			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L5_00006	02/28/13	12/05/12	25% 1%HoAC in ACN 75, Lot 4457-63F	100 mL	HP34DNTSU_00008	200 uL	3,4-Dinitrotoluene	100 ng/mL
					HP8330SP_00011	200 uL	1,3,5-Trinitrobenzene	100 ng/mL
							1,3-Dinitrobenzene	100 ng/mL
							2,4,6-Trinitrotoluene	100 ng/mL
							2,4-Dinitrotoluene	100 ng/mL
							2,6-Dinitrotoluene	100 ng/mL
							2-Amino-4,6-dinitrotoluene	100 ng/mL
							2-Nitrotoluene	100 ng/mL
							3-Nitrotoluene	100 ng/mL
							4-Amino-2,6-dinitrotoluene	100 ng/mL
							4-Nitrotoluene	100 ng/mL
							HMX	100 ng/mL
							Nitrobenzene	100 ng/mL
							RDX	100 ng/mL
							Tetryl	100 ng/mL
					HPNGSP_00007	200 uL	Nitroglycerin	100 ng/mL
					HPPETNSP_00005	200 uL	PETN	100 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGSP_00007	03/06/13	09/05/12	Methanol, Lot K18E18	50 mL	HPNGTA_00003	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00003	03/06/13		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNSP_00005	03/05/13	09/05/12	Methanol, Lot K41815	50 mL	HPPETNTA_00009	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00009	03/05/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L6_00004	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	100 mL	HP34DNTSU_00005	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00008	400 uL	3,5-Dinitroaniline	200 ng/mL
							1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							2-Nitrotoluene	200 ng/mL
							3-Nitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							4-Nitrotoluene	200 ng/mL
							HMX	200 ng/mL
							Nitrobenzene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPEGDNSP_00003	400 uL	Ethylene glycol dinitrate	200 ng/mL
					HPNGSP_00004	400 uL	Nitroglycerin	200 ng/mL
					HPPASP_00006	1000 uL	2,4,6-Trinitrophenol	500 ng/mL
					HPPETNSP_00003	400 uL	PETN	200 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L6_00006	02/28/13	12/05/12	25% 0.1%HoAC in ACN, Lot 4457-63F	100 mL	HP34DNTSU_00008	400 uL	3,4-Dinitrotoluene	200 ng/mL
					HP8330SP_00011	400 uL	1,3,5-Trinitrobenzene	200 ng/mL
							1,3-Dinitrobenzene	200 ng/mL
							2,4,6-Trinitrotoluene	200 ng/mL
							2,4-Dinitrotoluene	200 ng/mL
							2,6-Dinitrotoluene	200 ng/mL
							2-Amino-4,6-dinitrotoluene	200 ng/mL
							2-Nitrotoluene	200 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitrotoluene	200 ng/mL
							4-Amino-2,6-dinitrotoluene	200 ng/mL
							4-Nitrotoluene	200 ng/mL
							HMX	200 ng/mL
							Nitrobenzene	200 ng/mL
							RDX	200 ng/mL
							Tetryl	200 ng/mL
					HPNGSP_00007	400 uL	Nitroglycerin	200 ng/mL
					HPPETNSP_00005	400 uL	PETN	200 ng/mL
.HP34DNTSU_00008	05/15/13	11/15/12	Acetonitrile, Lot Acetonitrite_00001	50 mL	HP8330SU_00008	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00008	05/15/13		Restek, Lot A087054		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00011	05/30/13	12/05/12	Acetonitrile, Lot 732	50 mL	HP8330TA_00009	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP8330TA_00009	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPNGSP_00007	03/06/13	09/05/12	Methanol, Lot K18E18	50 mL	HPNGTA_00003	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00003	03/06/13		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPETNSP_00005	03/05/13	09/05/12	Methanol, Lot K41815	50 mL	HPPETNTA_00009	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00009	03/05/13		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L7_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00005	150 uL	3,4-Dinitrotoluene	300 ng/mL
					HP8330SP_00008	250 uL	3,5-Dinitroaniline	500 ng/mL
							1,3,5-Trinitrobenzene	500 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	500 ng/mL
							2,4,6-Trinitrotoluene	500 ng/mL
							2,4-Dinitrotoluene	500 ng/mL
							2,6-Dinitrotoluene	500 ng/mL
							2-Amino-4,6-dinitrotoluene	500 ng/mL
							2-Nitrotoluene	500 ng/mL
							3-Nitrotoluene	500 ng/mL
							4-Amino-2,6-dinitrotoluene	500 ng/mL
							4-Nitrotoluene	500 ng/mL
							HMX	500 ng/mL
							Nitrobenzene	500 ng/mL
							RDX	500 ng/mL
							Tetryl	500 ng/mL
					HPEGDNSP_00003	250 uL	Ethylene glycol dinitrate	500 ng/mL
					HPNGSP_00004	250 uL	Nitroglycerin	500 ng/mL
					HPPASP_00006	500 uL	2,4,6-Trinitrophenol	1000 ng/mL
					HPPETNSP_00003	250 uL	PETN	500 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13	Restek, Lot A082463			(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16	Restek, Lot A085338			(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15	Restek, Lot A084334			(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330L8_00003	12/07/12	08/29/12	25% 0.1%HoAC in ACN, Lot 4457-51G	25 mL	HP34DNTSU_00005	250 uL	3,4-Dinitrotoluene	500 ng/mL
					HP8330SP_00008	500 uL	3,5-Dinitroaniline	1000 ng/mL
							1,3,5-Trinitrobenzene	1000 ng/mL
							1,3-Dinitrobenzene	1000 ng/mL
							2,4,6-Trinitrotoluene	1000 ng/mL
							2,4-Dinitrotoluene	1000 ng/mL
							2,6-Dinitrotoluene	1000 ng/mL
							2-Amino-4,6-dinitrotoluene	1000 ng/mL
							2-Nitrotoluene	1000 ng/mL
							3-Nitrotoluene	1000 ng/mL
							4-Amino-2,6-dinitrotoluene	1000 ng/mL
							4-Nitrotoluene	1000 ng/mL
							HMX	1000 ng/mL
							Nitrobenzene	1000 ng/mL
							RDX	1000 ng/mL
							Tetryl	1000 ng/mL
					HPEGDNSP_00003	500 uL	Ethylene glycol dinitrate	1000 ng/mL
					HPNGSP_00004	500 uL	Nitroglycerin	1000 ng/mL
					HPPASP_00006	1 mL	2,4,6-Trinitrophenol	2000 ng/mL
					HPPETNSP_00003	500 uL	PETN	1000 ng/mL
.HP34DNTSU_00005	01/27/13	07/27/12	Acetonitrile, Lot K41815	50 mL	HP8330SU_00006	2.5 mL	3,4-Dinitrotoluene	50 ug/mL
..HP8330SU_00006	01/27/13		Restek, Lot A082463		(Purchased Reagent)		3,4-Dinitrotoluene	1000 ug/mL
.HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
..HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
..HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
.HPEGDNSP_00003	12/07/12	06/07/12	Acetonitrile, Lot K41815	50 mL	HPEGDNTA_00004	2.5 mL	Ethylene glycol dinitrate	50 ug/mL
..HPEGDNTA_00004	12/07/12		Restek, Lot A066822		(Purchased Reagent)		Ethylene glycol dinitrate	1000 ug/mL
.HPNGSP_00004	12/07/12	06/07/12	Methanol, Lot K18E18	50 mL	HPNGTA_00002	2.5 mL	Nitroglycerin	50 ug/mL
..HPNGTA_00002	12/07/12		Restek, Lot A082035		(Purchased Reagent)		Nitroglycerin	1000 ug/mL
.HPPASP_00006	12/11/12	06/11/12	Acetonitrile, Lot K41815	50 mL	HPPATA_00005	2.5 mL	2,4,6-Trinitrophenol	50 ug/mL
..HPPATA_00005	12/11/12		Restek, Lot A086505		(Purchased Reagent)		2,4,6-Trinitrophenol	1000 ug/mL
.HPPETNSP_00003	12/07/12	06/07/12	Methanol, Lot K41815	50 mL	HPPETNTA_00008	2.5 mL	PETN	50 ug/mL
..HPPETNTA_00008	12/07/12		Restek, Lot A085138		(Purchased Reagent)		PETN	1000 ug/mL
HP8330SP_00008	02/28/13	08/28/12	Acetonitrile, Lot K49817	50 mL	HP35DNATA_00009	2.5 mL	3,5-Dinitroaniline	50 ug/mL
					HP8330TA_00008	2.5 mL	1,3,5-Trinitrobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							2,4,6-Trinitrotoluene	50 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Amino-4,6-dinitrotoluene	50 ug/mL
							2-Nitrotoluene	50 ug/mL
							3-Nitrotoluene	50 ug/mL
							4-Amino-2,6-dinitrotoluene	50 ug/mL
							4-Nitrotoluene	50 ug/mL
							HMX	50 ug/mL
							Nitrobenzene	50 ug/mL
							RDX	50 ug/mL
							Tetryl	50 ug/mL
.HP35DNATA_00009	07/31/16		Restek, Lot A085338		(Purchased Reagent)		3,5-Dinitroaniline	1000 ug/mL
.HP8330TA_00008	05/30/15		Restek, Lot A084334		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	1000 ug/mL
							2,4,6-Trinitrotoluene	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Amino-4,6-dinitrotoluene	1000 ug/mL
							2-Nitrotoluene	1000 ug/mL
							3-Nitrotoluene	1000 ug/mL
							4-Amino-2,6-dinitrotoluene	1000 ug/mL
							4-Nitrotoluene	1000 ug/mL
							HMX	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							RDX	1000 ug/mL
							Tetryl	1000 ug/mL
HPNCSP_00007	04/05/13	11/05/12	Acetone, Lot Acetone_00004	200 mL	HPNCTA_00001	0.102 g	Nitrocellulose	510 ug/mL
.HPNCTA_00001	03/19/17	Theater Affects, Lot 031912			(Purchased Reagent)		Nitrocellulose	1 g/g
HPNGSP_00006	12/07/12	09/05/12	Methanol, Lot K18E18	50 mL	HPNGTA_00003	2.5 mL	Nitroglycerin	50 ug/mL
.HPNGTA_00003	03/06/13	Restek, Lot A082035			(Purchased Reagent)		Nitroglycerin	1000 ug/mL
HPNQ2xMDL_00002	04/15/13	10/16/12	DI Water, Lot M10152012	4 mL	HPNQL2_00003	1 mL	Nitroguanidine	5 ng/mL
.HPNQL2_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/mL
..HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
...HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQIC_00002	12/12/12	06/12/12	Water, Lot NA	50 mL	HPNQTA_00009	0.1 mL	Nitroguanidine	200 ng/mL
.HPNQTA_00009	12/12/12	AccuStandard, Inc, Lot 211111014			(Purchased Reagent)		Nitroguanidine	100 ug/mL
HPNQL2_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	20 uL	Nitroguanidine	20 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL3_00003	04/15/13	10/12/12	Water, Lot M10152012	50 mL	HPNQSP_00006	50 uL	Nitroguanidine	50 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL4_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	100 uL	Nitroguanidine	100 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL5_00003	04/15/13	10/16/12	Water, Lot M10152012	50 mL	HPNQSP_00006	200 uL	Nitroguanidine	200 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL6_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	250 uL	Nitroguanidine	500 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQL7_00003	04/15/13	10/16/12	Water, Lot M10152012	25 mL	HPNQSP_00006	500 uL	Nitroguanidine	1000 ng/mL
.HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
..HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL
HPNQSP_00006	04/15/13	10/15/12	Methanol, Lot K18E18	25 mL	HPNQTA_00002	1.25 mL	Nitroguanidine	50 ug/mL
.HPNQTA_00002	04/15/13	Restek, Lot A076817			(Purchased Reagent)		Nitroguanidine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica West Sacramento Job No.: 240-17796-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
HPPETNSP_00005	03/05/13	09/05/12	Methanol, Lot K41815	50 mL	HPPETNTA_00009	2.5 mL	PETN	50 ug/mL
.HPPETNTA_00009	03/05/13	Restek, Lot A085138			(Purchased Reagent)		PETN	1000 ug/mL
WC-353.2-ICV_00010	12/14/12	11/14/12	DI Water, Lot xxxx	100 mL	WC-N02-1000_00014	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	4.491 mg/L as N
					WC-N03-1000_00002	0.05 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	4.491 mg/L as N
.WC-N02-1000_00014	08/14/13	CPI International, Lot 12B200			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8475 mg/L as N
.WC-N03-1000_00002	08/14/13	RICCA, Lot 1204143			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	507 mg/L as N
WC-353.2-L1_00011	12/14/12	11/14/12	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00009	0.05 mL	Nitrocellulose	0.42375 mg/L as N
.WC-353.2-INT_00009	12/14/12	11/14/12	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00013	0.5 mL	Nitrocellulose	847.5 mg/L as N
					WC-N03-1000_00003	0.5 mL	Nitrocellulose	847.5 mg/L as N
..WC-N02-1000_00013	11/09/13	ERA, Lot 210912			(Purchased Reagent)		Nitrocellulose	8475 mg/L as N
..WC-N03-1000_00003	04/19/13	ERA, Lot 2040212			(Purchased Reagent)		Nitrocellulose	8475 mg/L as N
WC-353.2-L4_00008	12/14/12	11/14/12	DI Water, Lot xxxx	100 mL	WC-353.2-INT_00009	1 mL	Nitrate Nitrite as N	1 mg/L as N
							Nitrocellulose	8.475 mg/L as N
.WC-353.2-INT_00009	12/14/12	11/14/12	DI Water, Lot xxxxxxx	10 mL	WC-N02-1000_00013	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	847.5 mg/L as N
					WC-N03-1000_00003	0.5 mL	Nitrate Nitrite as N	100 mg/L as N
							Nitrocellulose	847.5 mg/L as N
..WC-N02-1000_00013	11/09/13	ERA, Lot 210912			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8475 mg/L as N
..WC-N03-1000_00003	04/19/13	ERA, Lot 2040212			(Purchased Reagent)		Nitrate Nitrite as N	1000 mg/L as N
							Nitrocellulose	8475 mg/L as N

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.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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 7-12-12 SG

Product Description:

Name:	ICP-MS-2
Part Number:	**SM-606-049**
Lot Number:	**1218529**
Matrix:	5% HNO_3
Purity:	99.98% - 99.9995%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Al	1000 ± 5	3101a	060502	Mg	1000 ± 5	3131a	050302
Ca	1000 ± 5	3109a	050825	K	1000 ± 5	3141a	051220
Fe	1000 ± 5	3126a	051031	Na	1000 ± 5	3152a	010728

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) 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

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. 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 megaohm 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.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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 Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

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: July 3, 2012
Shipped Date: JUL 10 2012
Expiration Date: JUL 10 2013
Certificate Issue Date: July 5, 2012

Quality Information:

ACLASS ACCREDITED TESTING

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

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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 9-13-12 km

Product Description:

Name:	ICPMS 1A
Part Number:	**SM-606-119**
	Solution A
Lot Number:	**1225405**
Matrix:	2% HNO_3
* Purity:	99.995% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
As	100 ± 1	3103a	100818	Mn	100 ± 1	3132	050429
Ba	100.0 ± 0.6	3104a	070222	Ni	100.0 ± 0.5	3136	000612
Be	100 ± 1	3105a	090514	Se	100 ± 1	3149	100901
Cd	100.0 ± 0.5	3108	060531	Sr	100.0 ± 0.5	3153a	990906
Cr	100.0 ± 0.5	3112a	030730	Tl	25 ± 0.2	3158	993012
Co	100.0 ± 0.5	3113	000630	V	100.0 ± 0.6	3165	992706
Cu	100.0 ± 0.5	3114	011017	Zn	100.0 ± 0.5	3168a	080123
Pb	100.0 ± 0.6	3128	101026				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) 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

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. 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 megaohm 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 Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

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: **September 10, 2012**
Shipped Date: SEP 1 1 2012
Expiration Date: SEP 1 1 2013
Certificate Issue Date: **September 10, 2012**

Quality Information:

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

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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 9-13-12 km

Product Description:

Name:	ICPMS 1B
Part Number:	**SM-606-119**
	Soluiton B
Lot Number:	**1225412**
Matrix:	2% HNO_3 + Tr HF
Purity:	99.98% - 99.999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	10.0 ± 0.6	3102a	061229	Sn	10.0 ± 0.6	3161a	070330
B	10.0 ± 0.5	3107	070514	Ti	10.0 ± 0.6	3162a	060808
Mo	10.0 ± 0.6	3134	891307	W	10.0 ± 0.6	3163	080331
Ag	10.0 ± 0.5	3151	992212				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) 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

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. 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 megaohm 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.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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 Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

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: September 10, 2012
Shipped Date: SEP 1 1 2012
Expiration Date: SEP 1 1 2013
Certificate Issue Date: September 10, 2012

Quality Information:

ACLASS ACCREDITED TESTING

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

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All produets should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the produet. The information provided in this certificate pertuins only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

INORGANIC VENTURES™

300 Technology Drive
Christiansburg, VA 24073 • USA
inorganicventures.com

tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM Custom Solution

Catalog No.: STLPA-CAL-SPECA-REV

Lot Number: **F2-MEB428149**

Matrix: 3% HNO3(v/v)

2,500 µg/mL ea:
Ca, K, Mg, Na,

1,250 µg/mL ea:
Fe,

25 µg/mL ea:
Al, Mn,

5 µg/mL ea:
Ag, As, Ba, Be, Cd, Co, Cr3, Cu, Ni,
Pb, Se, Sr, Tl, V, Zn

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	24.99 ± 0.20 µg/mL	Arsenic, As	5.001 ± 0.032 µg/mL	Barium, Ba	5.000 ± 0.036 µg/mL
Beryllium, Be	5.000 ± 0.036 µg/mL	Cadmium, Cd	5.000 ± 0.032 µg/mL	Calcium, Ca	2,500 ± 17 µg/mL
Chromium+3, Cr3	5.001 ± 0.032 µg/mL	Cobalt, Co	5.001 ± 0.032 µg/mL	Copper, Cu	5.000 ± 0.032 µg/mL
Iron, Fe	1,250 ± 8 µg/mL	Lead, Pb	5.000 ± 0.032 µg/mL	Magnesium, Mg	2,500 ± 16 µg/mL
Manganese, Mn	24.99 ± 0.19 µg/mL	Nickel, Ni	5.000 ± 0.028 µg/mL	Potassium, K	2,500 ± 18 µg/mL
Selenium, Se	5.000 ± 0.028 µg/mL	Silver, Ag	5.000 ± 0.032 µg/mL	Sodium, Na	2,500 ± 17 µg/mL
Strontium, Sr	5.000 ± 0.032 µg/mL	Thallium, Tl	5.000 ± 0.032 µg/mL	Vanadium, V	5.001 ± 0.032 µg/mL
Zinc, Zn	5.001 ± 0.032 µg/mL				

Certified Density: 1.051 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = 2 [\Sigma(s_i)^2]^{1/2}$ 2 = the coverage factor.

$[\Sigma(s_i)^2]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212	Ag	Volhard	999b	999b
Al	ICP Assay	3101a	060502	Al	EDTA	928	928
As	Calculated		See Sec. 4.2	As	ICP Assay	3103a	010713
Ba	Gravimetric		See Sec. 4.2	Ba	ICP Assay	3104a	070222
Be	Calculated		See Sec. 4.2	Be	ICP Assay	3105a	892707
Ca	ICP Assay	3109a	050825	Ca	EDTA	928	928
Cd	ICP Assay	3108	060531	Cd	EDTA	928	928
Co	ICP Assay	3113	00630	Co	EDTA	928	928
Cr3	Calculated		See Sec. 4.2	Cr3	ICP Assay	3112a	030730
Cu	ICP Assay	3114	011017	Cu	EDTA	928	928
Fe	ICP Assay	3126a	051031	Fe	EDTA	928	928
K	Gravimetric		See Sec. 4.2	K	ICP Assay	3141a	051220
Mg	ICP Assay	3131a	050302	Mg	EDTA	928	928
Mn	ICP Assay	3132	050429	Mn	EDTA	928	928
Na	Gravimetric		See Sec. 4.2	Na	ICP Assay	3152a	010728
Ni	ICP Assay	3136	000612	Ni	EDTA	928	928
Pb	ICP Assay	3128	101026	Pb	EDTA	928	928
Se	Calculated		See Sec. 4.2	Se	ICP Assay	3149	992106
Sr	ICP Assay	3153a	990906	Sr	EDTA	928	928
Tl	Calculated		See Sec. 4.2	Tl	ICP Assay	3158	993012
V	ICP Assay	3165	992706	V	EDTA	928	928
Zn	ICP Assay	3168a	080123	Zn	EDTA	928	928

4.2 **BALANCE CALIBRATION** - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION** - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION** - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4ºC. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 **ISO 9001 Quality Management System Registration**
- QMI File Number 010105

10.2 **ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"**
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 **ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"**
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 **10CFR50 Appendix B - Nuclear Regulatory Commission**
- Domestic Licensing of Production and Utilization Facilities

10.5 **10CFR21 - Nuclear Regulatory Commission**
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: July 03, 2012

Expiration Date: EXPIRES 01 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Christy Shortridge
Product Documentation Technician

Christy Shortridge

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Paul R Gaines

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: CAL-SPECC

Lot Number: **F2-MEB428150**

Matrix: tr. HF, 3% HNO3(v/v)

Reed 7/13/12

5 µg/mL ea:

B, Mo, Sb, Sn, Ti, W

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	4.999 ± 0.046 µg/mL	Boron, B	4.999 ± 0.032 µg/mL	Molybdenum, Mo	4.999 ± 0.036 µg/mL
Tin, Sn	4.999 ± 0.041 µg/mL	Titanium, Ti	4.999 ± 0.040 µg/mL	Tungsten, W	5.000 ± 0.032 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = 2\,[\,\Sigma(s_i)^2\,]^{1/2}$$

$(\bar{x})$ = mean

x_i = individual results

n = number of measurements

2 = the coverage factor.

$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 **TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **ASSAY INFORMATION**

ELEMENT	METHOD	NIST SRM#	SRM LOT#	ELEMENT	METHOD	NIST SRM#	SRM LOT#
B	Calculated		See Sec. 4.2	B	ICP Assay	3107	070514
Mo	Calculated		See Sec. 4.2	Mo	ICP Assay	3134	891307
Sb	Calculated		See Sec. 4.2	Sb	ICP Assay	3102A	061229
Sn	Calculated		See Sec. 4.2	Sn	ICP Assay	3161a	070330
Ti	Calculated		See Sec. 4.2	Ti	ICP Assay	3162a	060808
W	Calculated		See Sec. 4.2	W	ICP Assay	3163	080331

4.2 **BALANCE CALIBRATION -** All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 **THERMOMETER CALIBRATION -** All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 **GLASSWARE CALIBRATION -** An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL - N/A

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4°C. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element: Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous.

Inorganic Ventures homogeneity data indicate that the end user should take a minimum sample size of 0.2mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI File Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: July 03, 2012

Expiration Date: EXPIRES 01 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Christy Shortridge
Product Documentation Technician

Christy Shortridge

Certificate Approved By: Brian Alexander
PhD., Quality Control Supervisor

Brian Alexander

Certifying Officer: Paul Gaines
PhD., Senior Technical Director

Paul R Gaines

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 10/2/12
BLD

Product Description:

Name:	ICPMS RL-R
Part Number:	**SM-606-087**
Lot Number:	**1226917**
Matrix:	2% HNO_3 + Tr HF
Purity:	99.98% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Al	10.00 ± 0.05	3101a	060502	Mn	0.200 ± 0.002	3132	050429
Sb	0.400 ± 0.004	3102a	061229	Mo	2.00 ± 0.02	3134	891307
As	0.400 ± 0.004	3103a	100818	Ni	0.400 ± 0.004	3136	000612
Ba	0.200 ± 0.002	3104a	070222	K	200 ± 1	3141a	051220
Be	0.200 ± 0.002	3105a	090514	Se	0.400 ± 0.004	3149	100901
B	2.00 ± 0.01	3107	070514	Ag	0.100 ± 0.001	3151	992212
Cd	0.100 ± 0.001	3108	060531	Na	200 ± 1	3152a	010728
Ca	200 ± 1	3109a	050825	Sr	2.00 ± 0.01	3153a	990906
Cr	0.400 ± 0.004	3112a	030730	Tl	0.200 ± 0.002	3158	993012
Co	0.200 ± 0.002	3113	000630	Sn	2.00 ± 0.02	3161a	070330
Cu	0.400 ± 0.004	3114	011017	Ti	2.00 ± 0.02	3162a	060808
Fe	10.00 ± 0.05	3126a	051031	W	2.00 ± 0.02	3163	080331
Pb	0.200 ± 0.002	3128	101026	V	1.00 ± 0.01	3165	992706
Mg	200 ± 1	3131a	050302	Zn	2.00 ± 0.01	3168a	080123

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) 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
* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. 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 megaohm 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 Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

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: September 25, 2012
Shipped Date: SEP 2 8 2012
Expiration Date: SEP 2 8 2013
Certificate Issue Date: September 27, 2012

Quality Information:

ACLASS ACCREDITED TESTING

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

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 683.01 ACCREDITED Reference Material Producer Certificate 683.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: 6020ICS-0A

Lot Number: **E2-MEB371022**

Matrix: 1.4% HNO3(v/v)

Rec'd 4/16/12 BLD

10,000 µg/mL ea:
Chloride,

2,000 µg/mL ea:
C,

1,000 µg/mL ea:
Al, Ca, Fe, K, Mg, Na, P, S,

20 µg/mL ea:
Mo, Ti

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	1,002 ± 6 µg/mL	Calcium, Ca	1,002 ± 6 µg/mL	Carbon, C	2,004 ± 10 µg/mL
Chloride, Chloride	10,020.0 ± 20.0 µg/mL	Iron, Fe	1,002 ± 3 µg/mL	Magnesium, Mg	1,002 ± 7 µg/mL
Molybdenum, Mo	20.04 ± 0.10 µg/mL	Phosphorus, P	1,002 ± 5 µg/mL	Potassium, K	1,002 ± 5 µg/mL
Sodium, Na	1,002 ± 3 µg/mL	Sulfur, S	1,002 ± 5 µg/mL	Titanium, Ti	20.04 ± 0.10 µg/mL

Certified Density: 1.032 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 ASSAY INFORMATION

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Al	ICP Assay	3101a	060502
C	Gravimetric		See Sec. 4.2
Ca	EDTA	928	928
Chloride	Volhard	999b	999b
Fe	EDTA	928	928
K	ICP Assay	3141a	051220
Mg	EDTA	928	928
Mo	ICP Assay	3134	891307
Na	ICP Assay	3152a	010728
P	Acidimetric	84k	84k
S	Acidimetric	84k	84k
Ti	ICP Assay	3162a	060808

ELEMENT	METHOD	NIST SRM#	SRM LOT#
Al	EDTA	928	928
Ca	ICP Assay	3109a	050825
Chloride	IC Assay	3182	060925
Fe	ICP Assay	3126a	051031
K	Calculated		See Sec. 4.2
Mg	ICP Assay	3131a	050302
Mo	Calculated		See Sec. 4.2
Na	Gravimetric		See Sec. 4.2
P	ICP Assay	3139a	890607
S	ICP Assay	3154	892205
Ti	Calculated		See Sec. 4.2

4.2 BALANCE CALIBRATION - All analytical balances are calibrated yearly by an A2LA accredited calibration laboratory and are traceable to a class E 2 analytical weight set with NIST Traceability. All balances are checked daily using an in-house procedure. The weights used for testing are annually compared to master weights and are traceable to the National Institute of Standards and Technology (NIST).

4.3 THERMOMETER CALIBRATION - All thermometers are NIST traceable through thermometers that are calibrated by an A2LA accredited calibration laboratory.

4.4 GLASSWARE CALIBRATION - An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM's.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES IN µg/mL

Custom-Grade solutions are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

s	Al		M	Dy	< 0.006000	O	Li	0.002200	M	Pr	< 0.000300	M	Te	< 0.030000
M	Sb	< 0.000500	M	Er	< 0.005000	M	Lu	< 0.000400	M	Re	< 0.001000	M	Tb	< 0.000300
O	As	< 0.006000	M	Eu	< 0.003000	s	Mg		M	Rh	< 0.001000	M	Tl	< 0.001000
O	Ba	0.001200	M	Gd	< 0.001000	O	Mn	< 0.010000	M	Rb	0.051999	M	Th	< 0.001000
O	Be	< 0.000090	M	Ga	< 0.001000	O	Hg	< 0.014000	M	Ru	< 0.002000	M	Tm	< 0.000400
M	Bi	< 0.000400	O	Ge	< 0.010000	s	Mo		M	Sm	< 0.001000	M	Sn	< 0.005000
O	B	< 0.050000	M	Au	< 0.003000	M	Nd	< 0.002000	M	Sc	< 0.010000	s	Ti	
O	Cd	< 0.005000	M	Hf	< 0.002000	O	Ni	< 0.010000	M	Se	< 0.299996	M	W	< 0.010000
s	Ca		M	Ho	< 0.000500	M	Nb	< 0.000500	N	Si		M	U	< 0.002000
M	Ce	< 0.005000	M	In	< 0.010000	n	Os		M	Ag	< 0.002000	O	V	< 0.010000
M	Cs	0.042999	M	Ir	< 0.005000	M	Pd	< 0.005000	s	Na		M	Yb	< 0.001000
O	Cr	< 0.010000	s	Fe		s	P		O	Sr	0.003200	M	Y	< 0.039999
M	Co	< 0.003000	M	La	< 0.000500	M	Pt	< 0.002000	s	S		O	Zn	< 0.020000
M	Cu	< 0.006000	M	Pb	< 0.003000	s	K		M	Ta	< 0.007000	M	Zr	< 0.005000

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

For the calibration of analytical instruments including but not limited to the following:
HPLC, IC, TLC, ISE, IR, NMR, UV/VIS, MS, Capillary Electrophoresis, Potentiometry, Wet Chemistry and Voltammetry
For the validation of analytical methods
For the preparation of "working reference samples"
For interference studies and the determination of correction coefficients
For detection limit and linearity studies
For additional intended uses, contact Technical Staff

This CRM was manufactured using 18 megohm doubly deionized water that has been filtered through a 0.2 micron filter.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

Storage & Handling - Keep **Tightly** sealed when not in use. Store and use at 20 ± 4ºC. **Do Not** pipette from the container. **Do Not** return portions removed from pipetting to container.

Element Specific Information - For specific information regarding any element; Contact technical staff.

Uranium Note: If uranium is present in this standard, it is natural abundance unless specified in Section 3.0.

8.0 HAZARDOUS INFORMATION - Please refer to the enclosed Material Safety Data sheet for information regarding this CRM.

9.0 HOMOGENEITY - This solution was mixed according to in-house procedure IV-MPM-004 and is guaranteed to be homogeneous.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration
- QMI Certificate Number 010105

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration"
- Chemical Testing - Accredited A2LA Certificate Number 883.01

10.3 ISO/IEC Guide 34 "General Requirements for the Competence of Reference Material Producers"
- Reference Materials Production - Accredited A2LA Certificate Number 883.02

10.4 10CFR50 Appendix B - Nuclear Regulatory Commission
- Domestic Licensing of Production and Utilization Facilities

10.5 10CFR21 - Nuclear Regulatory Commission
- Reporting Defects and Non-Compliance

11.0 DATE OF CERTIFICATION AND PERIOD OF VALIDITY

11.1 Shelf Life - The period of time during which the concentration of the analyte(s) in a properly packaged, unopened, and unused standard stored under environmentally controlled and monitored conditions will remain within the specified uncertainty range. Shelf life is limited primarily by transpiration (loss of water from the solution) and infrequently, by chemical instability. Transpiration studies of chemically-stable solutions performed at the manufacturer's facility show a CRM shelf-life of twenty one months for solutions packaged in 125-mL low density polyethylene bottles. When stored under special conditions that minimize transpiration and instability, the shelf life can be extended past this limit.

11.2 Expiration Date - The date after which a CRM should not be used. Routine laboratory use of a CRM increases transpiration losses and the chance of contamination which affect the integrity of the CRM and limit its useful life. Manufacturer concurs with state and federal regulatory agencies' recommendations that solution standards be assigned a one-year expiration date.

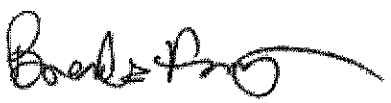
11.3 Chemical Stability - Studies have been conducted on this or similar CRMs and it has been demonstrated that this CRM is chemically stable for a period of not less than two years provided the "Storage & Handling" conditions are followed that are described in section 7.0.

Certification Date: April 01, 2011

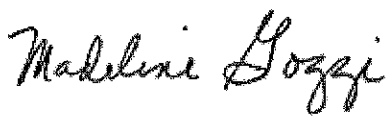
Expiration Date: EXPIRES 01 M 2013

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By: Brenda Francis, Product Documentation Technician



Certificate Approved By: Madeline Gozzi, Quality Control Supervisor



Certifying Officer: Paul Gaines, PhD., Senior Technical Director

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 7-12-12 SG

Product Description:

Part Number:	**SM-606-031**
	Solution A
Lot Number:	**1218526**
Matrix:	2% HNO_3
Purity:	99.997% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
As	20.0 ± 0.2	3103a	100818	Pb	20.00 ± 0.12	3128	101026
Ba	20.00 ± 0.12	3104a	070222	Mn	20.0 ± 0.2	3132	050429
Be	20.0 ± 0.2	3105a	090514	Ni	20.0 ± 0.1	3136	000612
B	20.0 ± 0.1	3107	070514	Se	20.0 ± 0.2	3149	100901
Cd	20.0 ± 0.1	3108	060531	Sr	20.0 ± 0.1	3153a	990906
Cr	20.0 ± 0.1	3112a	030730	Tl	20.0 ± 0.1	3158	993012
Co	20.0 ± 0.1	3113	000630	V	20.00 ± 0.12	3165	992706
Cu	20.0 ± 0.1	3114	011017	Zn	20.0 ± 0.1	3168a	080123

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) 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

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. 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 megaohm 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.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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 Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

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: July 3, 2012
Shipped Date: JUL 10 2012
Expiration Date: JUL 10 2013
Certificate Issue Date: July 9, 2012

Quality Information:

ACLASS ACCREDITED TESTING

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

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

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 7-12-12 SG

Product Description:

Part Number:	**SM-606-031**
	Solution B
Lot Number:	**1218527**
Matrix:	2% HNO_3 + Tr HF
Purity:	99.8% - 99.9999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	20.00 ± 0.12	3102a	061229	Ti	20.00 ± 0.12	3162a	060808
Mo	20.00 ± 0.12	3134	891307	W	20.00 ± 0.12	3163	080331
Ag	20.0 ± 0.1	3151	992212	Zr	20.00 ± 0.12	3169	071226
Sn	20.00 ± 0.12	3161a	070330				

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) 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

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. 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 megaohm 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.

High-Purity Standards is certified to ISO 9001:2008 and accredited to ISO/IEC 17025:2005 and ISO Guide 34:2009.

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 Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

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: July 3, 2012
Shipped Date: JUL 10 2012
Expiration Date: JUL 10 2013
Certificate Issue Date: July 9, 2012

Quality Information:

ACLASS ACCREDITED TESTING

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

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

HIGH-PURITY STANDARDS
www.highpuritystandards.com

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

Certificate of Analysis

Rev'd 1-18-12 hjm

SM-606-102 (ICPMS ICV)

Lot # 1201317

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts and Oxides	99.98+%	HNO_3, 2%	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. 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 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JAN 16 2013
MSDS ATTACHED

SM-606-102
(ICPMS ICV)
Element List
(µg/mL)

Aluminum	10
Arsenic	2
Barium	2
Beryllium	2
Cadmium	2
Calcium	1000
Chromium	2
Cobalt	2
Copper	2
Iron	500
Lead	2
Magnesium	1000
Manganese	10
Nickel	2
Potassium	1000
Selenium	2
Silver	2
Sodium	1000
Strontium	2
Thallium	2
Vanadium	2
Zinc	2

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 7-12-12 SC

Product Description:

Name:	ICV-SPECC
Part Number:	**SM-606-079**
Lot Number:	**1218720**
Matrix:	2% HNO_3 + 0.1% HF
Purity:	99.98% - 99.999%

Certified Values:

Element	(µg/mL)	SRM ID	SRM Lot#	Element	(µg/mL)	SRM ID	SRM Lot#
Sb	2.00 ± 0.01	3102a	061229	Sn	2.00 ± 0.01	3161a	070330
B	2.00 ± 0.01	3107	070514	Ti	2.00 ± 0.01	3162a	060808
Mo	2.00 ± 0.01	3134	891307	W	2.00 ± 0.01	3163	080331

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) 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

* Refer to Traceability Information, Section d

Preparation Information:

The standard is generally prepared from single element standard solutions that are ISO Guide 34 certified reference materials. Highest purity source materials were purchased from qualified vendors per ISO 9001:2008 guidelines and assayed by ICP-OES for conformity prior to use. 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 megaohm 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 Standards are traceable to SRM 3100 Series Spectrometric Standard Solutions or second sources.

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: July 5, 2012
Shipped Date: JUL 10 2012
Expiration Date: JUL 10 2013
Certificate Issue Date: July 10, 2012

Quality Information:

ACLASS ACCREDITED TESTING

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

Vanny T. Yib,
Inorganic Laboratory Manager

Angel Sellers
Quality Manager

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

Certificate of Analysis

Aroclor 1016 Solution

Product Number: PP-281 **Page:** 1 of 1

Lot Number: CF-0785 **Lot Issue Date:** 26-Feb-2009 **Expiration Date:** 31-Mar-2017

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
Aroclor 1016	012674-11-2	F216A	100.3 ± 0.5 µg/mL

Matrix: hexane

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. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1221 Solution

Product Number: PP-291 **Page:** 1 of 1

Lot Number: CB-1791Z **Lot Issue Date:** 01-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
Aroclor 1221	011104-28-2	AM-24	100.4 ± 0.5 µg/mL

Matrix: hexane

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. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1232 Solution

Product Number: PP-301 **Page:** 1 of 1

Lot Number: CG-3213 **Lot Issue Date:** 28-Sep-2010 **Expiration Date:** 31-Oct-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
Aroclor 1232	011141-16-5	NT01717	100.3 ± 0.5 µg/mL

Matrix: hexane

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. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1242 Solution

Product Number: PP-311 **Page:** 1 of 1

Lot Number: CH-2711 **Lot Issue Date:** 25-Aug-2011 **Expiration Date:** 30-Sep-2019

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
Aroclor 1242	053469-21-9	NT01020	100.4 ± 0.5 µg/mL

Matrix: hexane

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. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1248 Solution

Product Number: PP-341 **Page:** 1 of 1

Lot Number: CH-3256 **Lot Issue Date:** 27-Oct-2011 **Expiration Date:** 30-Nov-2019

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
Aroclor 1248	012672-29-6	NT01718	100.5 ± 0.5 µg/mL

Matrix: hexane

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. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Standards

Certificate of Analysis

Aroclor 1254 Solution

Product Number: PP-351 **Page:** 1 of 1

Lot Number: CF-1469 **Lot Issue Date:** 14-Apr-2009 **Expiration Date:** 31-May-2017

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
Aroclor 1254	011097-69-1	K040	100.2 ± 0.5 µg/mL

Matrix: hexane

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.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

Aroclor 1260 Solution

Product Number: PP-361 **Page:** 1 of 1

Lot Number: CG-3829 **Lot Issue Date:** 04-Nov-2010 **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
Aroclor 1260	011096-82-5	NT01023	100.5 ± 0.5 µg/mL

Matrix: hexane

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. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

JVIMS Received 12/13/11

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32039 **Lot No.:** A082781

Description : Aroclor® 1016/1260 Mix

PCB Mix, Aroclor 1016/1260, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] August 2018 **Storage:** 25°C nominal

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Aroclor 1016	12674-11-2	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
2	Aroclor 1260	11096-82-5	----%	1,000.0 ug/mL	+/- 5.8275 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

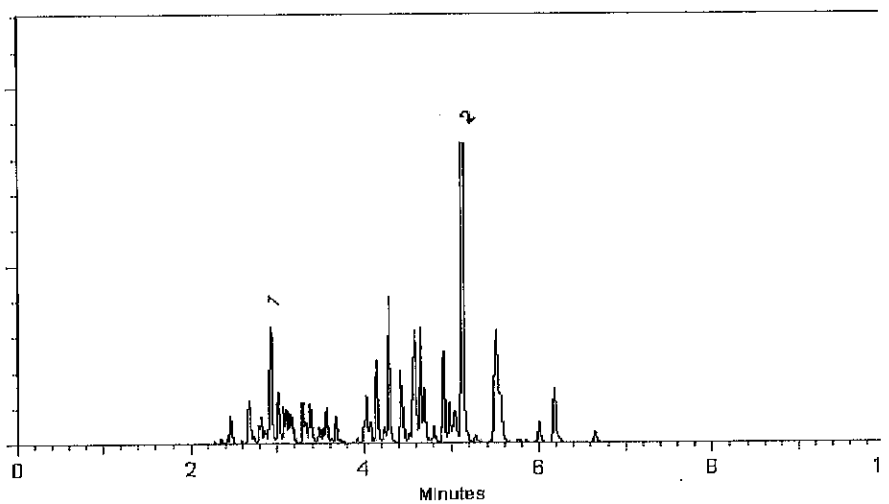
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

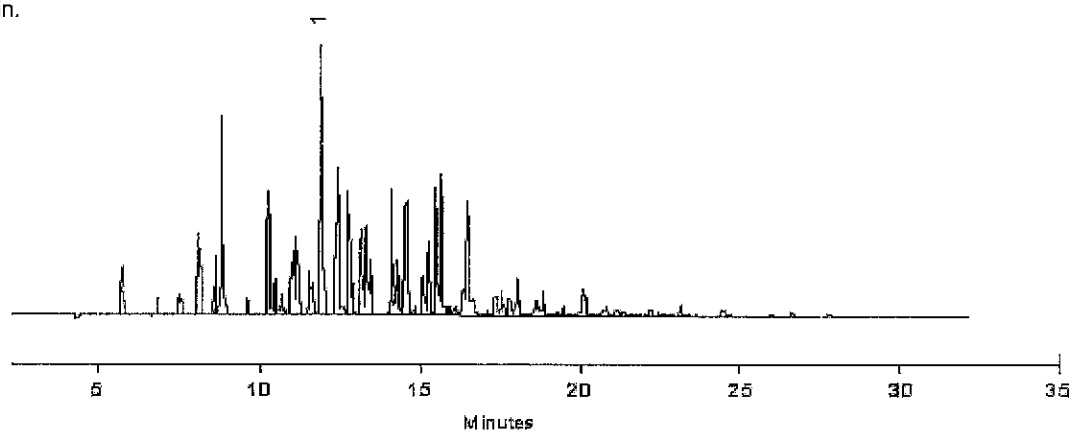
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No.: 32008 **Lot No.:** A052599
Description : Aroclor® 1232 Standard
Expiration Date[1]**:** June 2014 **Storage:** Room Temperature
Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	Aroclor 1232	11141-16-5	99%	1,000.000 ug/ml	+/-0.05 %
Solvent:	Hexane	110-54-3	99%		

Column: 30m x .32mm x .5um
Rtx-CLPesticides II
Carrier Gas: helium @ 40 cm/sec.
Temp. Program: 150°C to 300°C @ 5°C/min.

Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster / QA Analyst

Balance 1119141429

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

REC 9/7/07

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.: 32009 **Lot No.:** A068369
Description: Aroclor® 1242 Standard
Expiration Date[1]: July 2016 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	----%	1,000.000 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

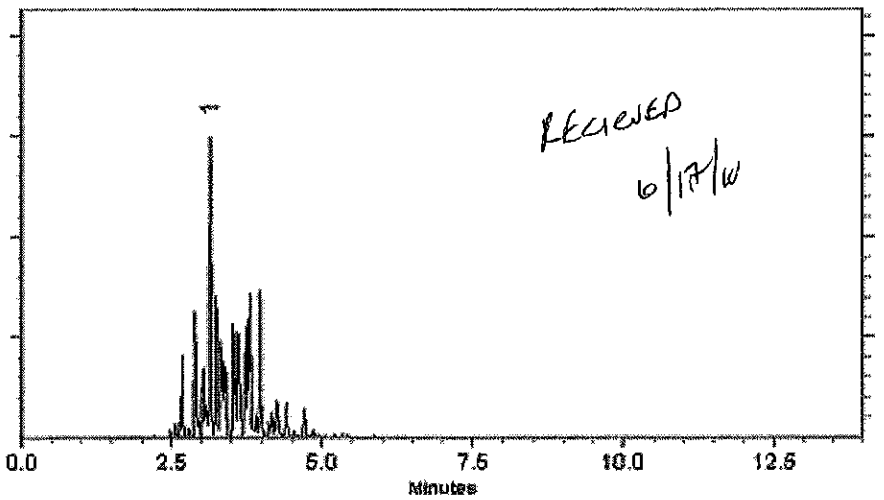
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Date Passed: 07/03/2009 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FMB0397

1 Expiration date of the unopened ampule stored at recommended temperature.
2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. 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 Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.
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).
4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

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.: 32009 **Lot No.:** A068369
Description: Aroclor® 1242 Standard
Expiration Date[1]**:** July 2016 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	----%	1,000.000 ug/ml	+/-0.58 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

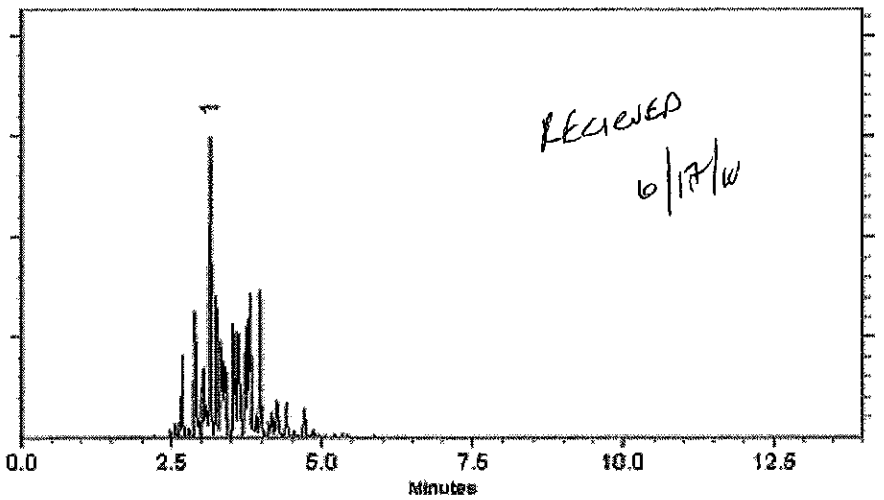
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



RECIEVED
6/17/09

Date Passed: 07/03/2009 **Balance:** 1128342314

Manufactured under Restek's ISO 9001-2000 Registered Quality System Certificate #FMB0397

1 Expiration date of the unopened ampule stored at recommended temperature.
2A Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest whole number. In addition to detectors listed above, chemical identity and purity are confirmed using one or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. 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 Compounds with a listed purity of less than 99% may be salts, derivatives, or hydrates. The listed purity is actually a correction factor that was used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound.
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).
4 Uncertainties determined using repeatability and reproducibility data for balances and glassware from measurement systems analysis methodology, balance and glassware tolerances, raw material purity, and, where applicable, eccentricity and linearity values from an accredited calibration laboratory.

Certificate of Analysis

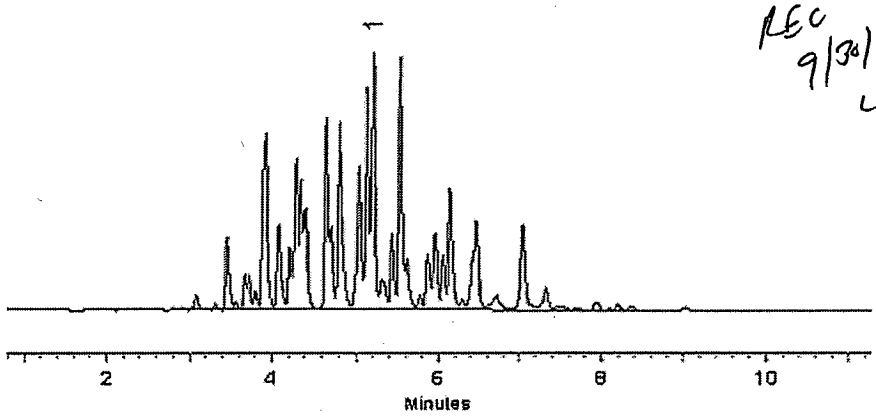
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32010 **Lot No.:** A059172
Description : Aroclor® 1248 Standard
Expiration Date[1]**:** April 2015 **Storage:** Room Temperature
Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	Aroclor 1248	12672-29-6	----%	1,000.000 ug/ml	+/-0.05 %
Solvent:	Hexane	110-54-3	99%		

Column: 30m x .32mm x .25um Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C @ 10°C/min. (hold 5 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



REC 9/30/13 LSH

Sara Eyster QA Analyst

Balance 1128360905

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addtion to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NIST traceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED
Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

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. : 32007 Lot No.: A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]: June 2017 Storage: Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x.25mm x .2um
Rtx-CLPesticides (cat.# 11323)

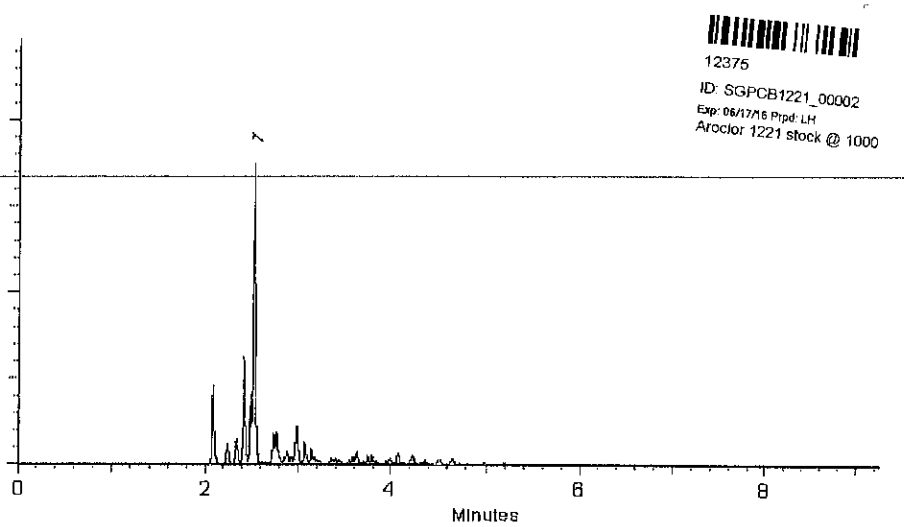
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diana Shaffer
Diana Shaffer - QA Analyst

Date Passed: 24-May-2010 Balance: 1128360905

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.

Received 2 vials
E
7/27/16

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. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

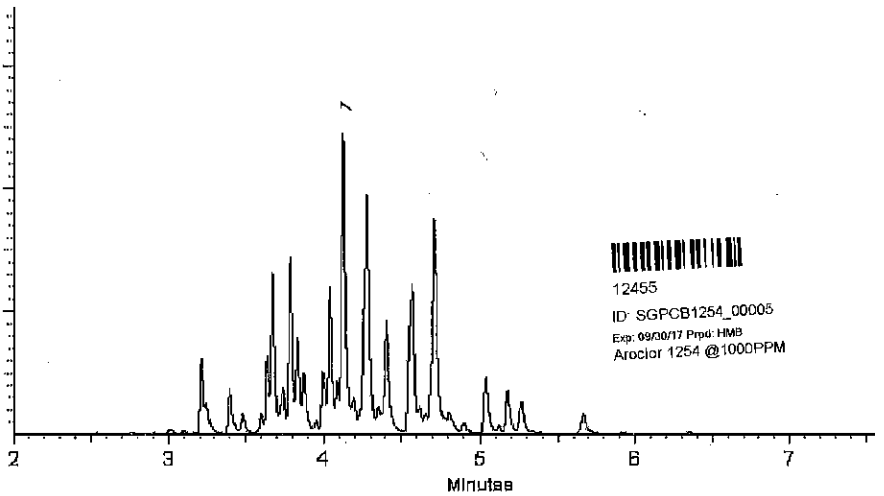
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

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.

Received 2 vials 7/23/11

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Rcvd 7-21-11 cmk

Certificate of Composition

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 557670 **Lot No.:** A083000

Description : Custom Herbicide Methyl Esters Standard

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] July 2013 **Storage:** 10°C or colder

Handling: This product is photosensitive.

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav. Uncert. (95% C.L.; K=2) [4]
1	Dalapon methyl ester	17640-02-7	95%	3.99 ug/mL	+/- 0.03264 ug/mL
2	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	99%	8.00 ug/mL	+/- 0.06544 ug/mL
3	Dicamba methyl ester	6597-78-0	99%	4.00 ug/mL	+/- 0.03272 ug/mL
4	MCPP (Mecoprop) methyl ester	2786-19-8	98%	799.68 ug/mL	+/- 4.74986 ug/mL
5	MCPA methyl ester	2436-73-9	99%	800.00 ng/mL	+/- 4.75176 ug/mL
6	Dichlorprop methyl ester	57153-17-0	99%	8.00 ug/mL	+/- 0.06544 ug/mL
7	2,4-D methyl ester	1928-38-7	98%	8.00 ug/mL	+/- 0.06542 ug/mL
8	Pentachloroanisole	1825-21-4	98%	2.00 ug/mL	+/- 0.1208 ug/mL
9	2,4,5-TP (silvex) methyl ester	4841-20-7	98%	2.00 ug/mL	+/- 0.1208 ug/mL
10	2,4,5-T methyl ester	1928-37-6	98%	2.00 ug/mL	+/- 0.1208 ug/mL
11	2,4-DB methyl ester	18625-12-2	99%	8.00 ug/mL	+/- 0.06544 ug/mL
12	Picloram methyl ester	14143-55-6	97%	7.99 ng/mL	+/- 0.06538 ug/mL
13	Dinoseb methyl ether	6099-79-2	99%	1.20 ug/mL	+/- 0.07251 ug/mL
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

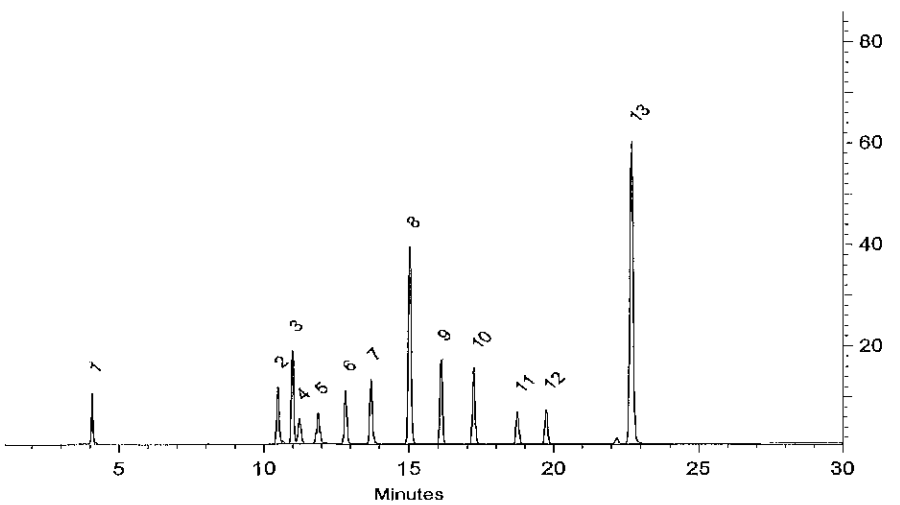
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



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: P-199S
Description: Pentachloroanisole
Lot: B4010036
Solvent: Methanol

Date Certified: Jan 15, 2004
Expiration: Jan 15, 2014
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)
Pentachloroanisole	1825-21-4	100	100.3	100.3

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.822/254480
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

OR-ORG/INC-001
Rev. 7/11

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. : 32007 **Lot No.:** A074947

Description : Aroclor® 1221 Standard

Expiration Date[1]**:** June 2017 **Storage:** Room Temperature

Handling: Contains PCB's. Warm & Sonicate Prior to Use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1221	11104-28-2	----%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLPesticides (cat.# 11323)

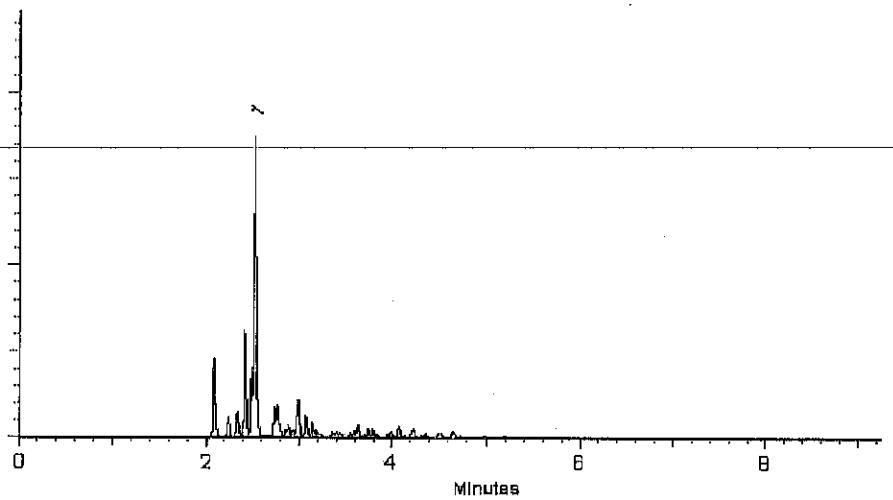
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 24-May-2010 **Balance:** 1128360905

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.

Received 2 vials
E
7/2/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Reagent ID: VGINTSTD_00001

		Expiration Date:	10/08/2011
Description:	INTERNAL STANDARD	Laboratory:	TestAmerica North Canton
No. of Bottles:	2	Prepared By:	Bolgrin, Deborah
Storage Location:	F022	Solvent:	MEOH
Reagent Volume:	50.000 mL	Solvent Lot:	50349
Creation Date:	04/08/2011		
Container(s):	12414, 12415		
Comment:			

Reagent Analyte Information

Analyte	Source ID	Source Expiration Date	Source Conc.	Source Conc. Units	Final Conc.	Final Conc. Units
Fluorobenzene	VGISSTOCK_00001	12/31/2012	2000.000	ug/mL	50.00000	ug/mL

Source Reagents

Reagent	Description	Type	Expiration	Vendor	Vendor Lot #	Vendor Cat Lot #	Volume Used	Volume Units
VGISSTOCK_00001	IS FLOROBENZENE	ASTD	12/31/12	ULTRA SCIENTIFIC	CE-4128	STS-160	1.2500	mL

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. : 32011 **Lot No.:** A076437

Description : Aroclor® 1254 Standard

Expiration Date[1]**:** September 2017 **Storage:** Room Temperature

Handling: This product contains PCB's

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	----%	1,001.600 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

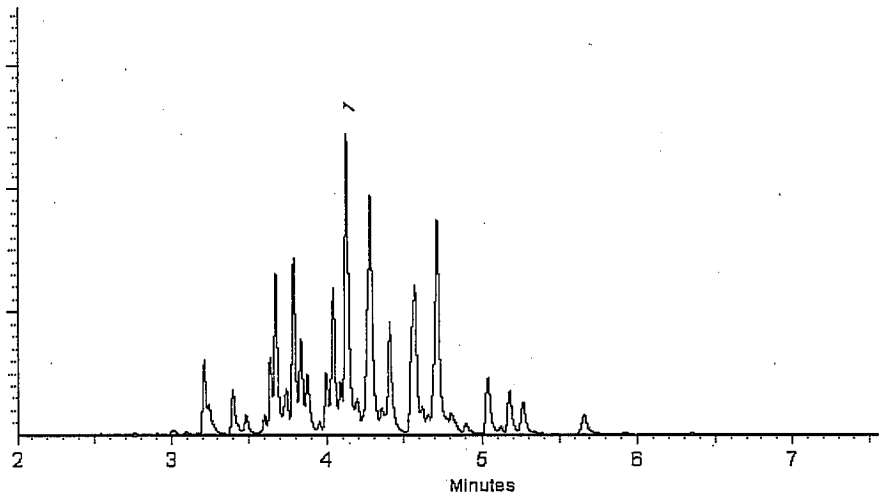
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



Diane Shaffer - QA Analyst **Date Passed:** 23-Aug-2010 **Balance:** 1128360905

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.

Received 2 vials 3/23/11

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

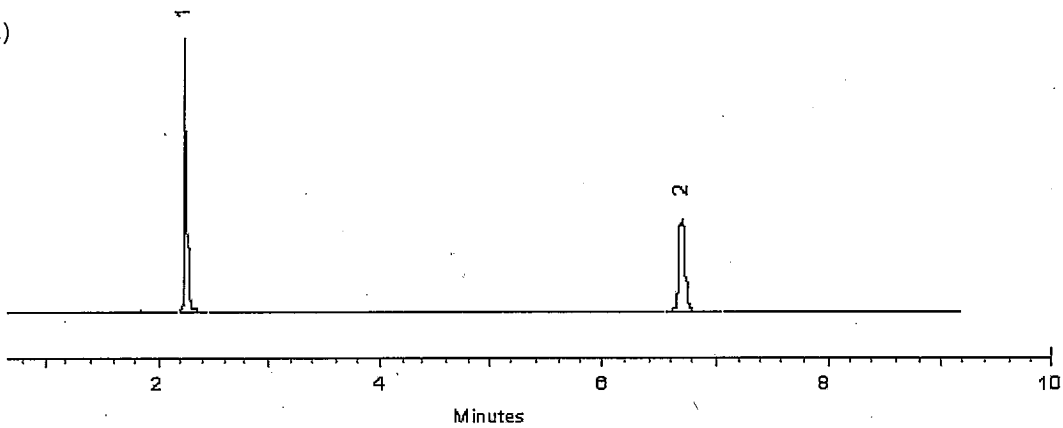
FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 32000 **Lot No.:** A057014
Description : Pesticide Surrogate Mix
Expiration Date[1]**:** June 2015 **Storage:** Refrigerate
Handling: Warm & Sonicate prior to use

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	Percent Uncertainty [4]
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	98%	200.018 ug/ml	+/-0.03 %
2	Decachlorobiphenyl	2051-24-3	99%	200.000 ug/ml	+/-0.03 %
Solvent:	Acetone	67-64-1	99%		

LEC 7/13/08
LOT

Column: 30m x .32mm x .25um
Rtx-CLPesticides II
Carrier Gas: helium @ 40cm/sec.
Temp. Program: 200°C to 300°C
@ 15°C/min. (hold 12 min.)
Inj. Temp: 250°C
Det. Temp: 300°C
Det. Type: ECD



Sara Eyster QA Analyst

Balance 1128342313

1 Expiration date of the unopened ampul stored at recommended temperature.
2 Purity was determined by one or more of the following techniques: GC/FID, HPLC, GC/ECD, GC/MS. Value rounded to the nearest LOWER whole percentage. In addition to detectors listed above, chemical identity and purity are confirmed using 1 or more of the following: MS, DSC, solid probe MS, GC/FPD, GC/NPD, GC/TC, FTIR, melting point, refractive index, and Karl Fisher. See data pack or contact Restek for further details.
3 Based upon gravimetric preperation with balance calibration verified using NISTtraceable weights (seven mass levels).
4 Percent Uncertainty based upon balance AND ASTM Class A volumetric glassware accuracy.

ISO 9001 REGISTERED

Manufactured under Restek's ISO 9001 Registered Quality System
Certificate #FM80397

Tech Tip:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Rcvd 12-8-11 Recd 3 vials

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.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

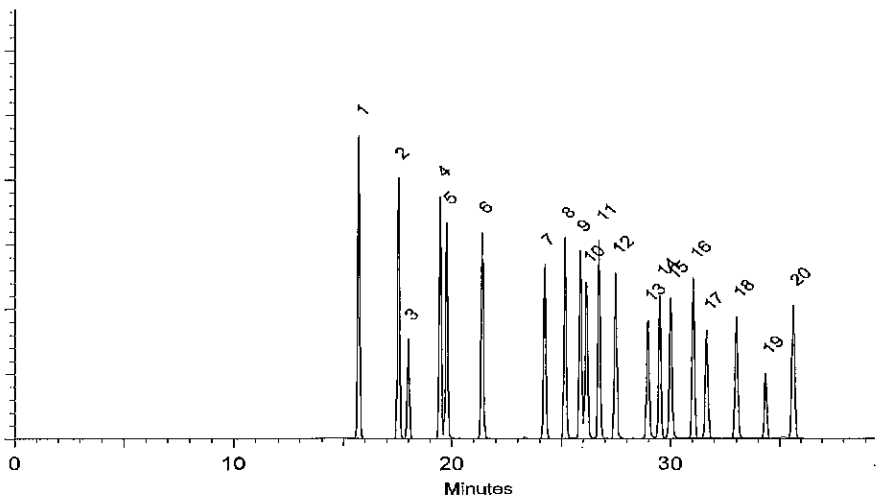
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Rcvd 12-8-11 Recd 3 vials

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.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

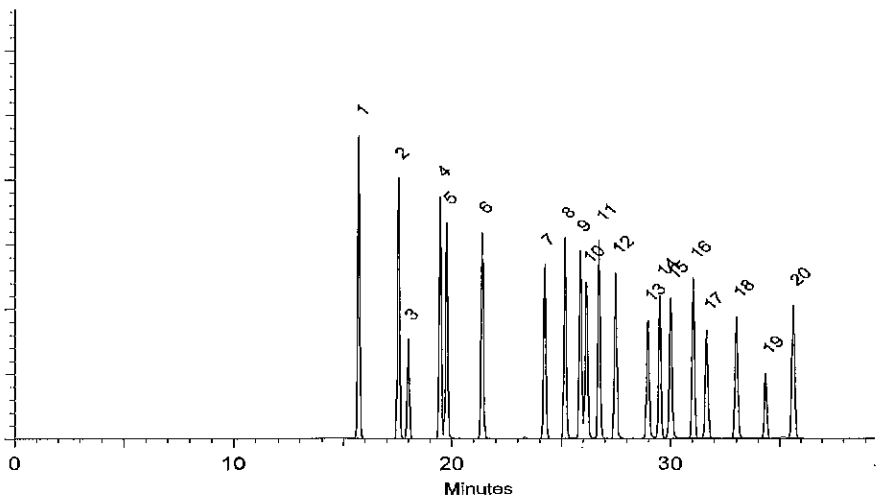
Carrier Gas:
hellium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Organochlorine Pesticides Mixture

Product Number: PPM-808C

Page: 1 of 2

Lot Number: CH-3658 **Lot Issue Date:** 01-Dec-2011 **Expiration Date:** 31-Dec-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.

1:100 (1ml in 100)
1:400 (250uls in 100uls)

Analyte	CAS#	Analyte Lot	True Value
aldrin	000309-00-2	RM00635-01	1002 ± 5 µg/mL
alpha-BHC	000319-84-6	RM02725-01	1002 ± 5 µg/mL
beta-BHC	000319-85-7	RM02724-02	1002 ± 5 µg/mL
delta-BHC	000319-86-8	RM02723-05	1002 ± 5 µg/mL
gamma-BHC	000058-89-9	RM02694-04	1002 ± 5 µg/mL
alpha-chlordane	005103-71-9	RM02742-03	1002 ± 5 µg/mL
gamma-chlordane	005103-74-2	RM02726-08	1002 ± 5 µg/mL
4,4'-DDD	000072-54-8	RM00615-01	1002 ± 5 µg/mL
4,4'-DDE	000072-55-9	RM02892-02	1002 ± 5 µg/mL
4,4'-DDT	000050-29-3	RM02881-01	1002 ± 5 µg/mL
dieldrin	000060-57-1	RM03957-01	1002 ± 5 µg/mL
endosulfan I	000959-98-8	RM00834-01	1002 ± 5 µg/mL
endosulfan II	033213-65-9	RM02906-02	1002 ± 5 µg/mL
endosulfan sulfate	001031-07-8	RM02897-01	1002 ± 5 µg/mL
endrin	000072-20-8	256-27A	1002 ± 5 µg/mL
endrin aldehyde	007421-93-4	ER082306-01	1002 ± 5 µg/mL
endrin ketone	053494-70-5	RM00212-02	1002 ± 5 µg/mL
heptachlor	000076-44-8	RM03111-02	1002 ± 5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM03131-03	1002 ± 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.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Organochlorine Pesticides Mixture

Product Number: PPM-808C

Lot Number: CH-3658 **Lot Issue Date:** 01-Dec-2011 **Expiration Date:** 31-Dec-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.

methoxychlor	000072-43-5	RM01712-05	1002 ± 5 µg/mL

Matrix: hexane/toluene (1:1)

Storage: Store at Room Temperature (18-25°C). Do Not Refrigerate.

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. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Rcvd 12-8-11 Recd 3 vials

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.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .20m
Rtx-CLP II (cat.# 11323)

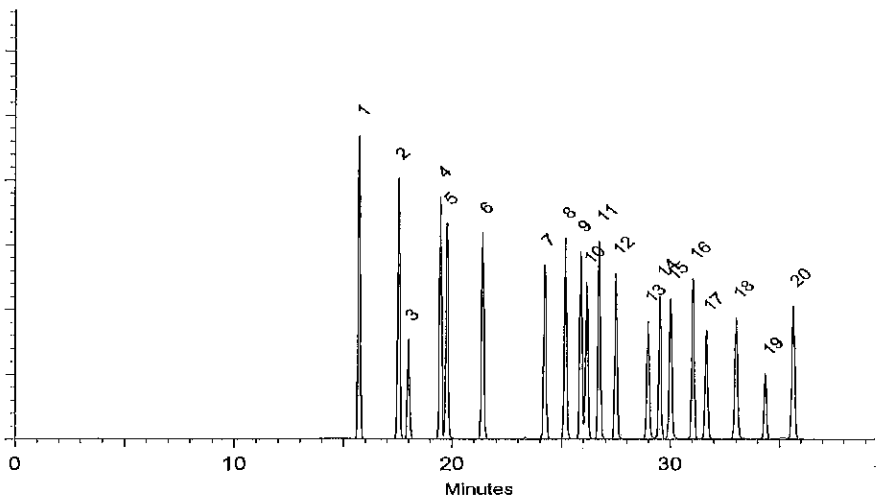
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Rcvd 12-8-11 Recd 3 vials

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.: 32291 **Lot No.:** A076528

Description : Organochlorine Pesticide Mix AB #1

Expiration Date[1]**:** August 2014 **Storage:** Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Concentration [3] (weight/volume)	% Uncertainty [4] (95% C.L.; K=2)
1	alpha-BHC	319-84-6	99%	200.000 ug/ml	+/-0.59 %
2	gamma-BHC (Lindane)	58-89-9	99%	200.200 ug/ml	+/-0.59 %
3	beta-BHC	319-85-7	99%	200.000 ug/ml	+/-0.59 %
4	delta-BHC	319-86-8	99%	200.000 ug/ml	+/-0.59 %
5	Heptachlor	76-44-8	99%	200.000 ug/ml	+/-0.59 %
6	Aldrin	309-00-2	99%	200.000 ug/ml	+/-0.59 %
7	Heptachlor epoxide (isomer B)	1024-57-3	99%	200.000 ug/ml	+/-0.59 %
8	trans-Chlordane	5103-74-2	99%	200.000 ug/ml	+/-0.59 %
9	cis-Chlordane	5103-71-9	97%	200.014 ug/ml	+/-0.59 %
10	4,4'-DDE	72-55-9	99%	200.200 ug/ml	+/-0.59 %
11	Endosulfan I	959-98-8	99%	200.000 ug/ml	+/-0.59 %
12	Dieldrin	60-57-1	99%	200.200 ug/ml	+/-0.59 %
13	Endrin	72-20-8	97%	200.208 ug/ml	+/-0.59 %
14	4,4'-DDD	72-54-8	97%	200.014 ug/ml	+/-0.59 %
15	Endosulfan II	33213-65-9	99%	200.000 ug/ml	+/-0.59 %
16	4,4'-DDT	50-29-3	99%	200.000 ug/ml	+/-0.59 %
17	Endrin aldehyde	7421-93-4	98%	200.116 ug/ml	+/-0.59 %
18	Methoxychlor	72-43-5	99%	200.000 ug/ml	+/-0.59 %
19	Endosulfan sulfate	1031-07-8	99%	200.000 ug/ml	+/-0.59 %
20	Endrin ketone	53494-70-5	95%	200.260 ug/ml	+/-0.59 %
Solvent:	Hexane/Toluene (50:50)	110-54-3/108-88-3	99%		

Column:
30m x .25mm x .20m
Rtx-CLP II (cat.# 11323)

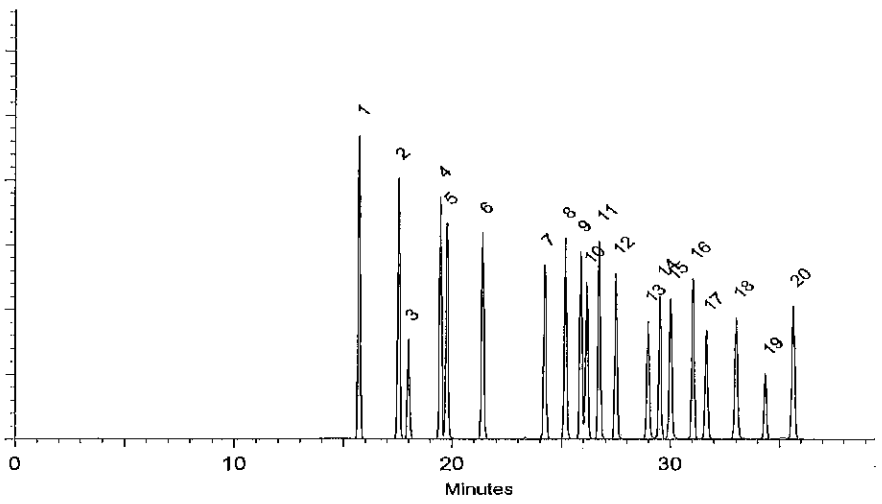
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



Certificate of Analysis

DESCRIPTION: Toxaphene

CATALOG NO.: 48103 MFG DATE: Feb-2011

LOT NO.: LB82082 EXPIRATION DATE: Feb-2014

SOLVENT: ISOOCTANE

ANALYTE	CAS NUMBER	PERCENT PURITY(1)	WEIGHT(2) CONCENTRATION	ANALYTICAL(3) CONCENTRATION	STD DEV	SUPELCO LOT NO
TOXAPHENE	8001-35-2	N/A (a)	1000	956	+/- 16.2	LA47407

SGPESTTOX 00011

Rec'd 12-12-11 1 vial

(1) Determined by capillary GC-FID, unless otherwise noted.
a) Complex mix - Can't Determine

(2) 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.

(3) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO® Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

Rec'd 12-8-11. 2vials

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. : 32005 **Lot No.:** A080394

Description : Toxaphene Standard

Pesticide Mix, toxaphene, 1,000µg/ml, Hexane, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : [1] June 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	Toxaphene	8001-35-2	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Hexane	110-54-3	99%		

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

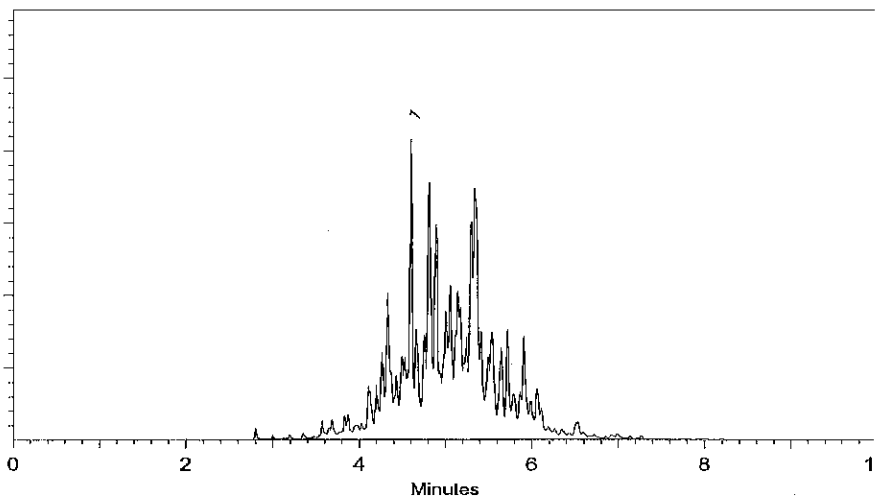
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

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

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. : 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)

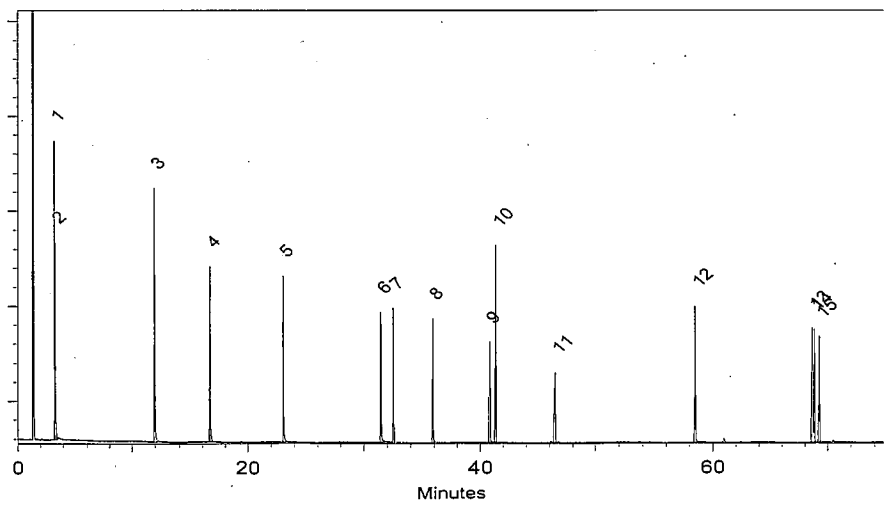
Carrier Gas:
hydrogen-constant pressure 10 psi

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



RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

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)

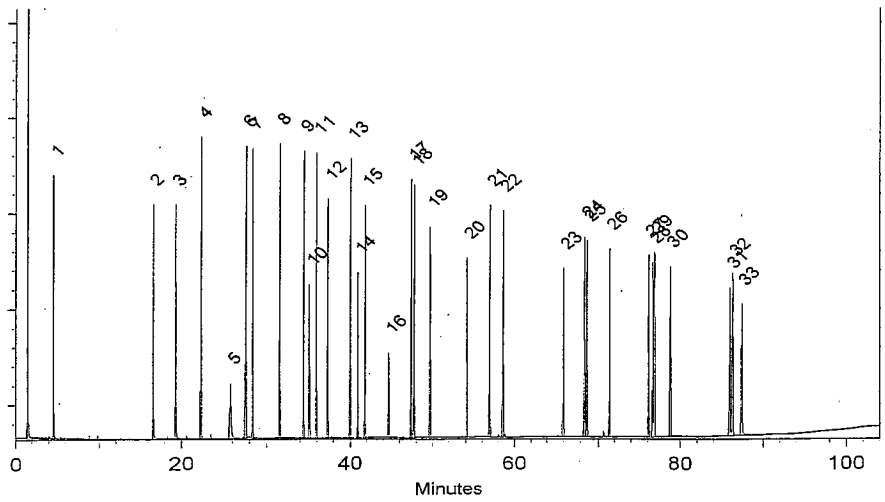
Carrier Gas:
hydrogen-constant pressure 10 psi

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.

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

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

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-9-091-50X
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.

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: 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:**

   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.

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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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

(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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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.

Elwood Doughty
QA Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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

(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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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

(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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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.

Elwood Doughty
QA Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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

(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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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

(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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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.

Elwood Doughty
QA Manager

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

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
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

(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 warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO® Analytical
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
www.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)

Copyright © 2006 - 2012 by ULTRA Scientific, Inc.

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

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: AK-101.0-GCS-BTEX
DESCRIPTION: Gasoline Calibration Standard
LOT: B5040009
SOLVENT: Methanol

EXPIRATION: Apr 5 , 2015
DATE CERTIFIED: Apr 5, 2005
SAMPLE SIZE: disc.
STORAGE CONDITION: Ambient
HAZARDS: HIGHLY FLAMMABLE

Refer to the MSDS for additional safety information

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	Cas Number	Purity % (GC/FID)	Prepared Concentration[1] %w/v	Certified Analyte Concentration[2] %w/v
Benzene	71-43-2	0.006	0.008	.000
Toluene	108-88-3	0.027	0.034	.000
Ethylbenzene	100-41-4	0.006	0.008	.000
m+p-Xylene	N/A	0.023	0.029	.000
o-Xylene	95-47-6	0.009	0.012	.000

5 Components

Premium, Regular leaded, and Regular unleaded gasoline mix. The BTEX concentrations were determined analytically.

1. All weights are traceable through NIST, Test No. 822/254480
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 ±6%. 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.

Certified by: R. Cooper
Russ Cooper, QC Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Reid 7/6/12

BTEX in Gasoline

Product Number: BTX-3000 **Page:** 1 of 1

Lot Number: S-0681W **Lot Issue Date:** Sep-2010 **Expiration Date:** Oct-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
tert-butylmethyl ether	001634-04-4	100	108511 ± 543 µg/mL
benzene	000071-43-2	100	5456 ± 27 µg/mL
toluene	000108-88-3	100	23472 ± 117 µg/mL
ethylbenzene	000100-41-4	100	7802 ± 39 µg/mL
o-xylene	000095-47-6	100	9803 ± 49 µg/mL
m/p-xylenes	001330-20-7	100	23364 ± 117 µg/mL
isopropylbenzene	000098-82-8	100	830.1 ± 4.2 µg/mL
naphthalene	000091-20-3	100	1904 ± 10 µg/mL

Matrix: gasoline

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. 0851-01

ISO 9001:2008
Registered
TUV USA, Inc.
Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
www.ultrasci.com

William J. Leary
Quality Assurance Manager

Surrogate

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

alpha,alpha,alpha-Trifluorotoluene Solution

Received 11/10/14

Product Number: STS-220N **Page:** 1 of 1

Lot Number: CE-1903A **Lot Issue Date:** 28-Jun-2011 **Expiration Date:** 31-Jul-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
a,a,a-trifluorotoluene	000098-08-8	TS 11520AS	2010 ± 10 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.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Surrogate

ULTRA SCIENTIFIC
Analytical Standards

Certificate of Analysis

alpha,alpha,alpha-Trifluorotoluene Solution

Product Number: STS-220N **Page:** 1 of 1

Lot Number: CE-1903A **Lot Issue Date:** 28-Jun-2011 **Expiration Date:** 31-Jul-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
a,a,a-trifluorotoluene	000098-08-8	TS 11520AS	2010 ± 10 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.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1006

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

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)

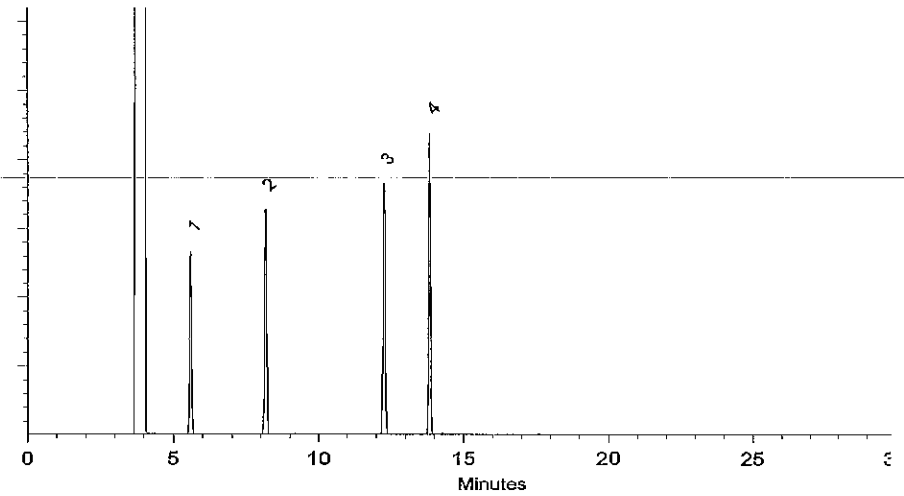
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

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

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO® Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

11/23/11
FS

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

11/22/11 TS

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

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

Certificate of Analysis

6/2/12
TS

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

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO®
Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

Certificate of Analysis

6/2/12
TS

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.

Elwood Doughty
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

SUPELCO®
Analytical
595 North Harrison Road
Bellefonte, PA 16823-0048 USA
Phone (814) 359-3441

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

RECD 8-31-12

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.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1008

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

9/20/12 TS

Custom Standard

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.

A2LA ACCREDITED

ISO 17025 Accredited A2LA Cert. No. 0851-01

ISO 9001 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 401-295-2330
www.ultrasci.com

William J. Leahy
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Rec'd 6/11/12 B

Custom Standard

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1008

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Custom Standard

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.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

Custom Standard

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

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.

A2LA ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

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.

ACCREDITED

ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
www.ultrasci.com

William J Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

REC'D 8-31-12

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

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

VMDWM544_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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0861-01

ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

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.

ACCREDITED

ISO 17025 Accredited A2LA Cert. No. 0851-01

ISO 9001:2000 Registered TUV USA, Inc. Cert. No. 06-1004

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
www.ultrasci.com

William J. Leahy
Quality Assurance Manager

Certificate of Analysis

RCC'D 5-15-12

ULTRA SCIENTIFIC
Analytical Solutions

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

Certificate of Analysis

RECD 5-15-12

ULTRA SCIENTIFIC
Analytical Solutions

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

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. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

10/10/12
TS

Certificate of Analysis

ULTRA SCIENTIFIC
Analytical Solutions

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

ULTRA SCIENTIFIC
Analytical Solutions

Certificate of Analysis

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.

ACCREDITED
ISO 17025:2005 Accredited A2LA Cert. No. 0851-01
ISO 9001:2008 Registered TUV USA, Inc. Cert. No. 09-1009

250 Smith Street, North Kingstown, RI 02852 USA
401-294-9400 Fax: 295-2330
wwww.ultrasci.com

William J. Leary
Quality Assurance Manager

RESTEK

Certificate of Analysis

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Recvd 3/11/11 Scanned 4/19/11

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. :	33905	**Lot No.:**	A078069
Description :	8330 Calibration Standard		
Container Size : [5]	2 mL	**Pkg Amt:** [5]	> 1 mL
Expiration Date : [1]	June 2014	**Storage:**	10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	% Grav.Uncert. (95% C.L.; K=2) [4]
1	HMX	2691-41-0	99%	1,000.0 ug/ml	+/-0.59 %
2	RDX	121-82-4	98%	999.6 ug/ml	+/-0.59 %
3	1,3,5-Trinitrobenzene	99-35-4	99%	1,000.0 ug/ml	+/-0.59 %
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/ml	+/-0.59 %
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/ml	+/-0.59 %
6	Tetryl	479-45-8	99%	1,000.0 ug/ml	+/-0.59 %
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/ml	+/-0.59 %
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/ml	+/-0.59 %
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/ml	+/-0.59 %
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/ml	+/-0.59 %
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/ml	+/-0.59 %
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/ml	+/-0.59 %
13	4-Nitrotoluene	99-99-0	99%	1,000.0 ug/ml	+/-0.59 %
14	3-Nitrotoluene	99-08-1	99%	1,000.0 ug/ml	+/-0.59 %
Solvent:	Acetonitrile	75-05-8	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

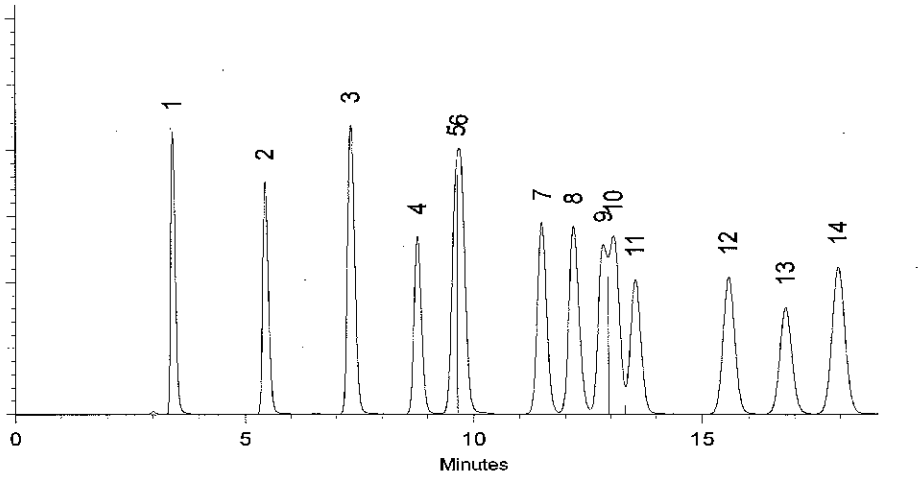
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31452 **Lot No.:** A082463

Description : 8330 Internal Standard Mix

SV Mix, 8000 Series Method, 8330 Internal Std, 3,4-dinitrotoluene, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

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

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L., K=2) [4]
1	3,4-Dinitrotoluene	610-39-9	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

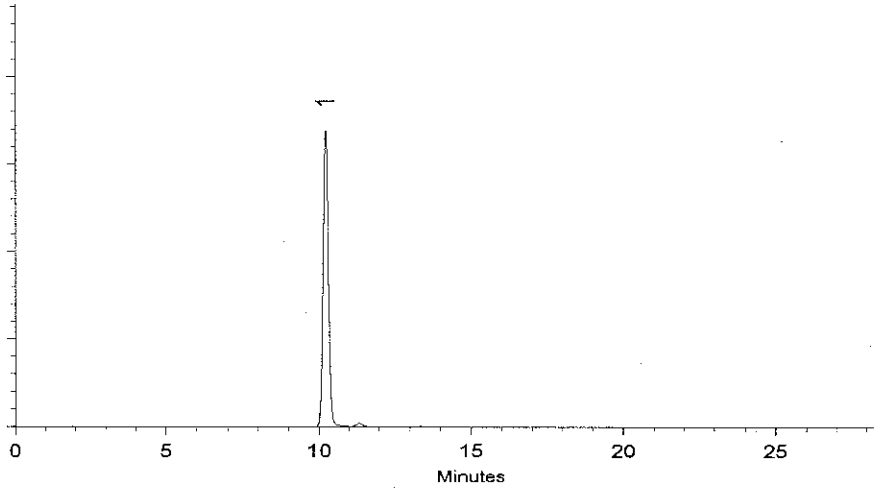
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Rcvd 11/5/12

John Lidgett - QA Analyst

Date Passed: 23-Jun-2011 **Balance:** 1125113331

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.

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31452 **Lot No.:** A082463

Description : 8330 Internal Standard Mix

SV Mix, 8000 Series Method, 8330 Internal Std, 3,4-dinitrotoluene, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

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

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L., K=2) [4]
1	3,4-Dinitrotoluene	610-39-9	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

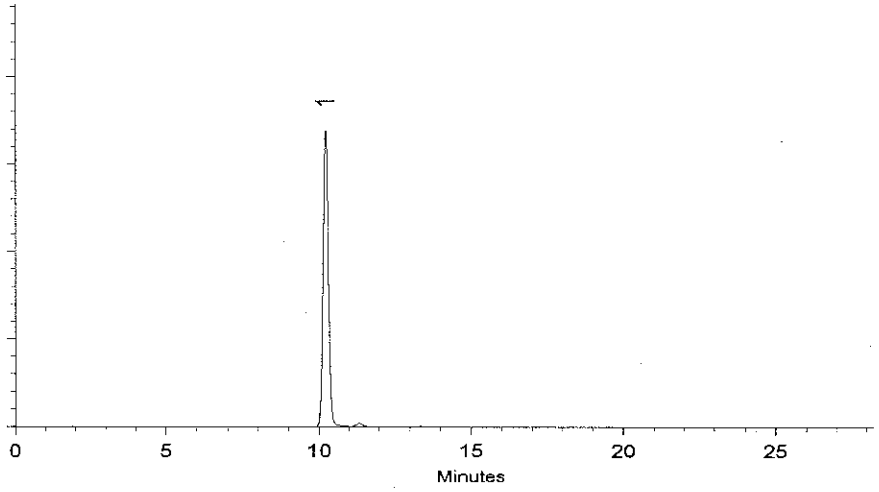
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Rcvd 11/5/12

John Lidgett - QA Analyst

Date Passed: 23-Jun-2011 **Balance:** 1125113331

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.

Rcvd 8/28/17 RM

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

ACCREDITED
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31452 **Lot No.:** A087054

Description : 8330 Internal Standard Mix

8330 Internal Std 3, 4-Dinitrotoluene 1000ug/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	3,4-Dinitrotoluene	1,000.0 ug/mL	+/- 5.9397	ug/mL	Gravimetric
	CAS # 610-39-9		+/- 12.1149	ug/mL	Unstressed
	Purity 99%		+/- 13.6550	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

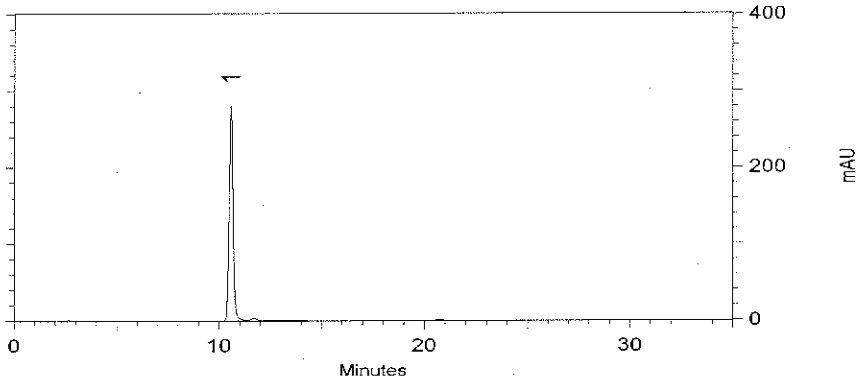
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Valerie N. Walters - QA Analyst

Date Passed: 06-Apr-2012 **Balance:** 1128360905

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. 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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Standard Solution Assay Parameters

Analysis Method:	HPLC/UV
Column:	Prodigy ODS 3, 4.6 x 250 mm
Mobile Phase:	A: Water B: Methanol

Gradient Program:

Time (mins)	%A	%B
0.0	50	50
10.0	40	60
25.0	40	60

Flow Rate:	0.8 mL/min
Wavelength:	254 nm

Calibration Curve

Calibration Curve:	Linear Regression
Number of Points:	1

Solution Standard Verification and Homogeneity

Compound	Verified Concentration µg/mL	Acceptance Criteria	%RSD - Homogeneity %	Acceptance Criteria
2-Amino-4,6-dinitrotoluene	199.9	± 10%	0.8	≤ 3%
4-Amino-2,6-dinitrotoluene	201.3	± 10%	1.4	≤ 3%
1,3-Dinitrobenzene	199.5	± 10%	0.7	≤ 3%
2,4-Dinitrotoluene	200.1	± 10%	0.6	≤ 3%
2,6-Dinitrotoluene	197.7	± 10%	0.9	≤ 3%
HMX	199.5	± 10%	0.7	≤ 3%
Nitrobenzene	199.8	± 10%	0.5	≤ 3%
2-Nitrotoluene	199.5	± 10%	0.2	≤ 3%
3-Nitrotoluene	199.0	± 10%	0.5	≤ 3%
4-Nitrotoluene	199.4	± 10%	0.6	≤ 3%
RDX	199.4	± 10%	0.7	≤ 3%
Tetryl	197.8	± 10%	0.7	≤ 3%
1,3,5-Trinitrobenzene	199.3	± 10%	0.7	≤ 3%
2,4,6-Trinitrotoluene (TNT)	198.6	± 10%	1.0	≤ 3%

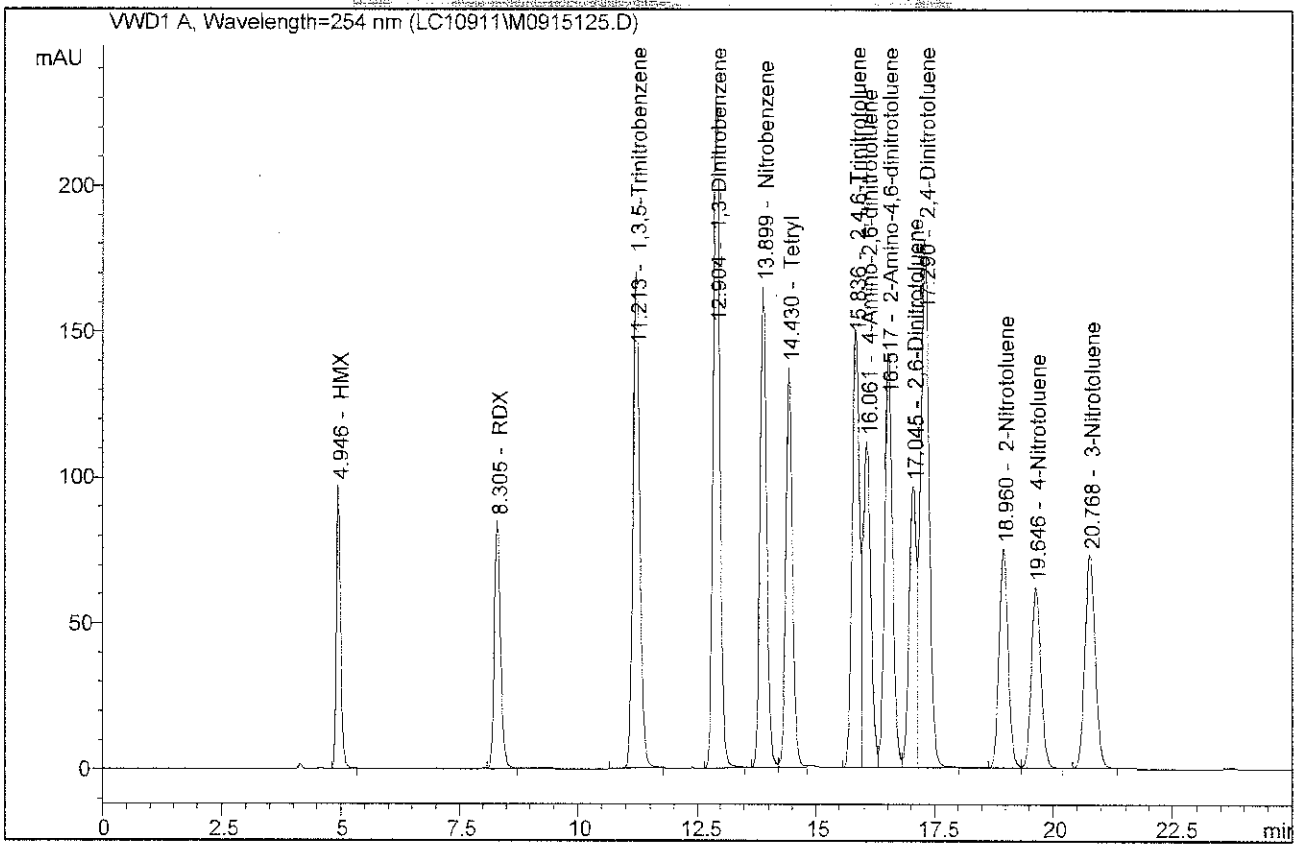
- Concentration is verified through multiple analyses and is calculated as the average of multiple analyses compared to an independently prepared calibration curve.
- Homogeneity is ensured through rigorous production process controls statistically analyzed to evaluate risk and verified by analysis. The %RSD of samples pulled from across the lot demonstrate homogeneity.
- Product is compared to prior lot and meets acceptance criteria of ± 10%.

Neat Material Data

Compound	Lot Number	CAS Number	Chemical Formula	Molecular Weight	Chromatographic Purity
2-Amino-4,6-dinitrotoluene	29550-55	35572-78-2	$C_7H_7N_3O_4$	197.15	99.98%
4-Amino-2,6-dinitrotoluene	ER070908-01	19406-51-0	$C_7H_7N_3O_4$	197.15	99.88%
1,3-Dinitrobenzene	EB-1876	99-65-0	$C_6H_4N_2O_4$	168.11	98.72%
2,4-Dinitrotoluene	EB-1379	121-14-2	$C_7H_6N_2O_4$	182.14	99.00%
2,6-Dinitrotoluene	PER-083-93401	606-20-2	$C_7H_6N_2O_4$	182.14	99.59%
HMX	ER052908-01	2691-41-0	$C_4H_8N_8O_8$	296.16	98.41%
Nitrobenzene	PR090310-01	98-95-3	$C_6H_5NO_2$	123.11	99.96%
2-Nitrotoluene	EB-1509	88-72-2	$C_7H_7NO_2$	137.14	99.95%
3-Nitrotoluene	EB-1519	99-08-1	$C_7H_7NO_2$	137.14	99.94%
4-Nitrotoluene	EB-1816	99-99-0	$C_7H_7NO_2$	137.14	99.81%
RDX	ER091609-04	121-82-4	$C_3H_6N_6O_6$	222.12	99.94%
Tetryl	34268-43	479-45-8	$C_7H_5N_5O_8$	287.15	98.67%
1,3,5-Trinitrobenzene	PR122706-01	99-35-4	$C_6H_3N_3O_6$	213.11	99.96%
2,4,6-Trinitrotoluene (TNT)	PR041911-01	118-96-7	$C_7H_5N_3O_6$	227.13	99.89%

♦ Purity Factor = [(100 - wt% residual solvent - wt% residual water - wt% residual inorganics) x Chromatographic Purity/100].

Product Analysis



RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Rcvd 8/28/12

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 33905 **Lot No.:** A084334

Description : 8330 Calibration Standard

Nitroaromatics and Nitramine Explosives by HPLC, 1,000µg/ml, Acetonitrile, 1ml/ampule

Container Size : [5,1] 2 mL **Pkg Amt:** [5] > 1 mL

Expiration Date : May 2015 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	HMX	2691-41-0	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
2	RDX	121-82-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
3	1,3,5-Trinitrobenzene	99-35-4	98%	999.6 ug/mL	+/- 5.9373 ug/mL
4	1,3-Dinitrobenzene	99-65-0	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL
5	Nitrobenzene	98-95-3	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
6	Tetryl	479-45-8	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
7	2,4,6-Trinitrotoluene	118-96-7	98%	999.6 ug/mL	+/- 5.9373 ug/mL
8	2-Amino-4,6-dinitrotoluene	35572-78-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
9	4-Amino-2,6-dinitrotoluene	19406-51-0	98%	999.6 ug/mL	+/- 5.9373 ug/mL
10	2,4-Dinitrotoluene	121-14-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
11	2,6-Dinitrotoluene	606-20-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
12	2-Nitrotoluene	88-72-2	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
13	4-Nitrotoluene	99-99-0	97%	970.0 ug/mL	+/- 5.7615 ug/mL
14	3-Nitrotoluene	99-08-1	97%	1,000.1 ug/mL	+/- 5.9401 ug/mL

Solvent: Acetonitrile 75-05-8 99%

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

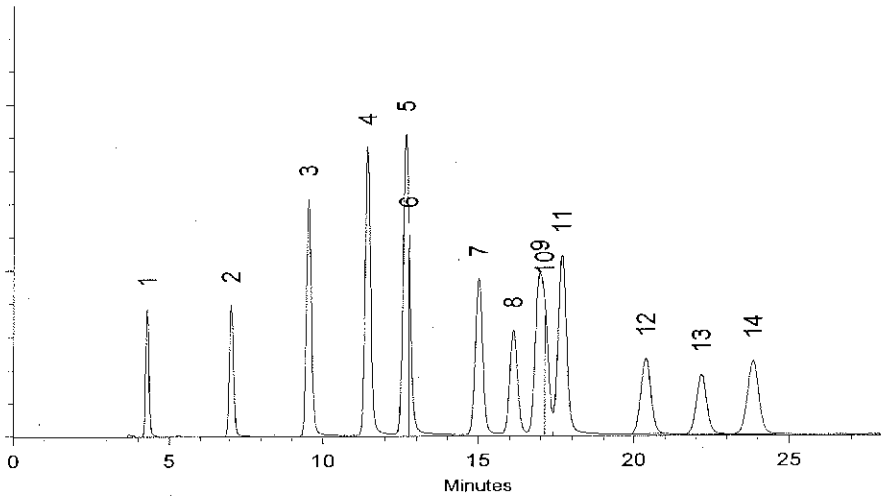
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 22-Nov-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.

Note:

Rcvd 3/16/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

ACCREDITED
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31601 **Lot No.:** A085885

Description : EGDN Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 2017 **Storage:** 10°C or colder

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	EGDN	628-96-6	99%	1,000.0 ug/mL	+/- 5.9397 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

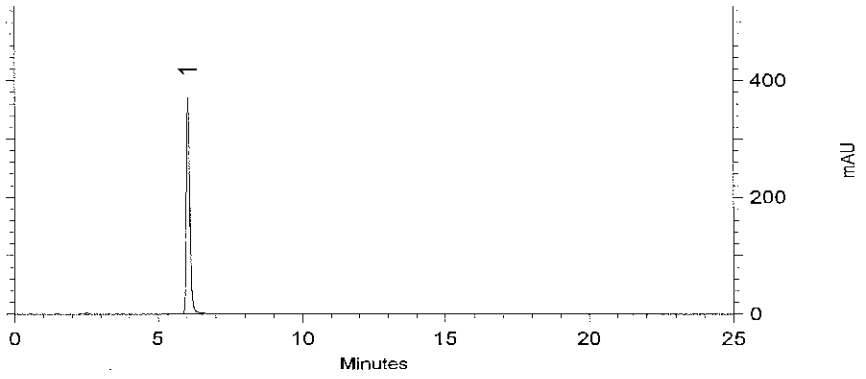
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Jan-2012 **Balance:** 1128360905

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

General Reference Material Notes

Expiration Notes:

- Expiration date of the unopened ampul stored at the recommended storage condition is the last day of the month listed in the expiration date field.
- Uncertainty, concentration, and expiration of the RM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. 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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

HP NGTA – 00001

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

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

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

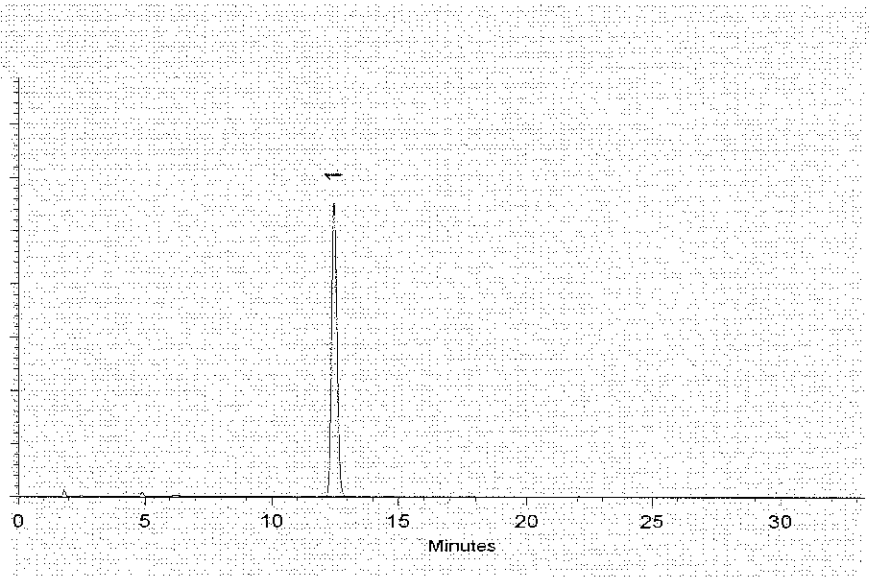
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



HP NGTA – 00001

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31498 **Lot No.:** A082035

Description : Nitroglycerin Standard

SV Mix, Nitroglycerin Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

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

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	Nitroglycerin	55-63-0	99%	1,000.0 ug/mL	+/- 5.9 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

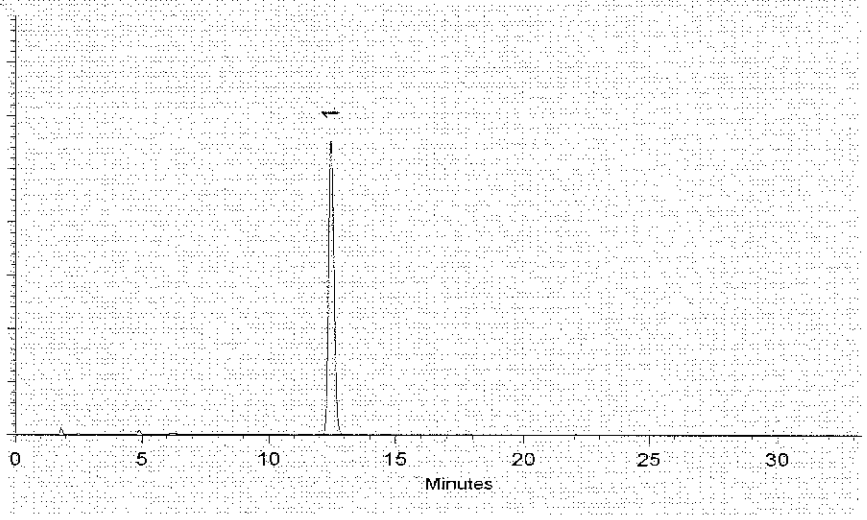
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



HPNQTA-00001

5

10

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. :	31602	**Lot No.:**	A076817
Description :	Nitroguanidine Standard		
Container Size :	2 mL	**Pkg Amt:**	> 1 mL
Expiration Date : [1]	September 2015	**Storage:**	Refrigerate

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. [3] (weight/volume)	% Grav.Uncert. [4] (95% C.L., K=2)
1	Nitroguanidine	556-88-7	99%	1,000.000 ug/ml	+/-0.59 %
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

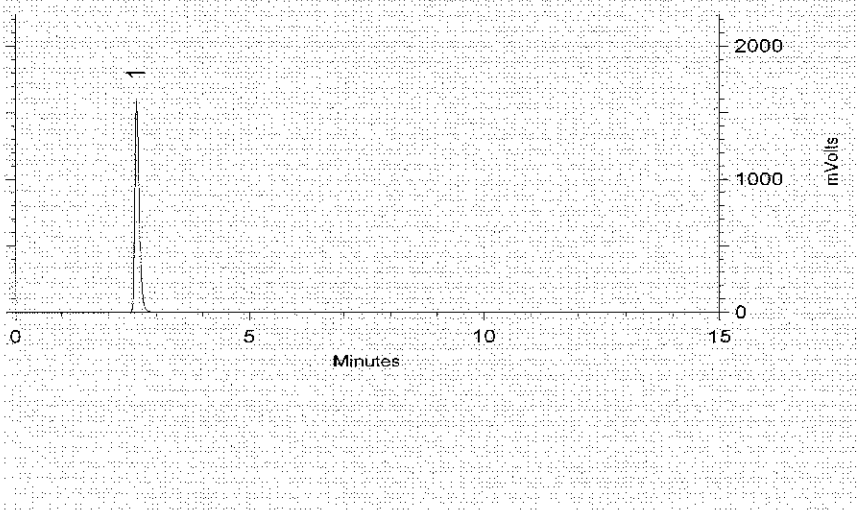
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 16-Sep-2010 **Balance:** 1128342313

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.

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: M-8330-ADD-6
Description: Nitroguanidine
Lot: 211111014
Solvent: Methanol

Date Certified: Nov 1, 2011
Expiration: Nov 1, 2013
Sample Size: 1 mL
Storage Condition: Freeze (<-10° C)
Hazards: HIGHLY FLAMMABLE

[X] Included on ISO/IEC 17025 Scope of Accreditation
[X] Included on ISO Guide 34 Scope of Accreditation

Component	CAS #	Purity % (HPLC)	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Nitroguanidine	556-88-7	100	100.5	100.5

Rcvd 5/25/12

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.822-275872-11
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

Rcvd 3/20/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

ACCREDITED
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31499 **Lot No.:** A086505

Description : Picric Acid Standard

1000ug/mL, Methanol, 1mL/ampul *PGI BOX REQUIRED* SHIP FED EX GROUND ONLY

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 2017 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Picric Acid	1,000.0 ug/mL	+/- 5.9397	ug/mL	Gravimetric
	CAS # 88-89-1		+/- 32.2037	ug/mL	Unstressed
	Purity 99%		+/- 44.7693	ug/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.53mm x 0.5um
Rtx-5 (cat.# 10240)

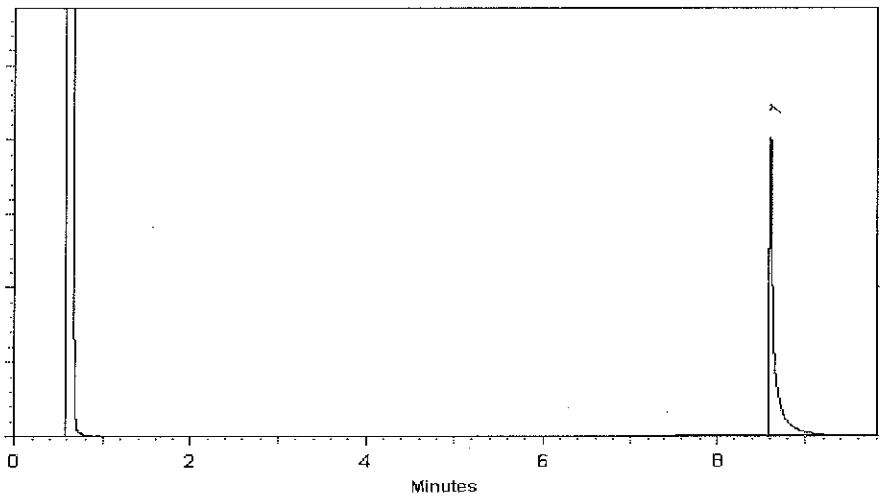
Carrier Gas:
hydrogen-constant flow 11 mL/min

Temp. Program:
70°C (hold 2 min.) to 225°C
@ 20°C/min.

Inj. Temp:
cold on-column

Det. Temp:
335°C

Det. Type:
FID



Valerie N. Walters - QA Analyst

Date Passed: 16-Mar-2012 **Balance:** 1128342313

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

Rec'd 3/16/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

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

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

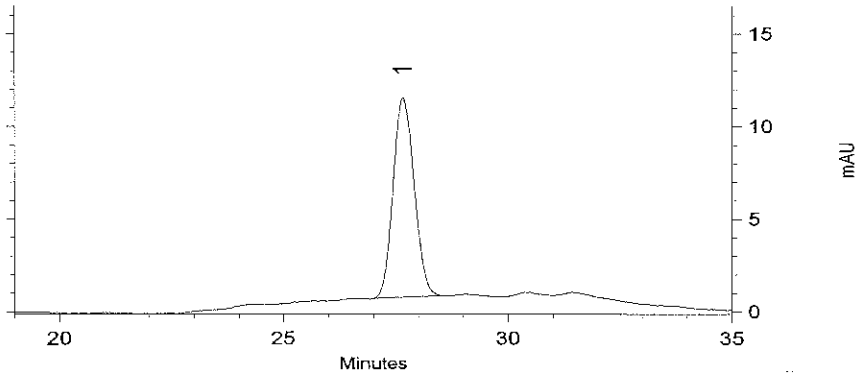
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **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 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.

Rec'd 3/16/12

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.Restek.com

Certificate of Analysis

FOR LABORATORY USE ONLY-READ MSDS PRIOR TO USE.

Catalog No. : 31600 **Lot No.:** A085138

Description : PETN Standard

SV Mix, PETN Standard, 1,000µg/ml, Methanol, 1ml/ampule

Container Size : [5] 2 mL **Pkg Amt:** [5] > 1 mL

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

Elution Order	Compound	CAS #	Percent Purity [2]	Grav. Conc. (weight/volume) [3]	Grav.Uncert. (95% C.L.; K=2) [4]
1	PETN	78-11-5	99%	1,000.0 ug/mL	+/- 5.8686 ug/mL
Solvent:	Methanol	67-56-1	99%		

Column:
250mm x 4.6mm
Ultra C18 (cat.# 9174575)

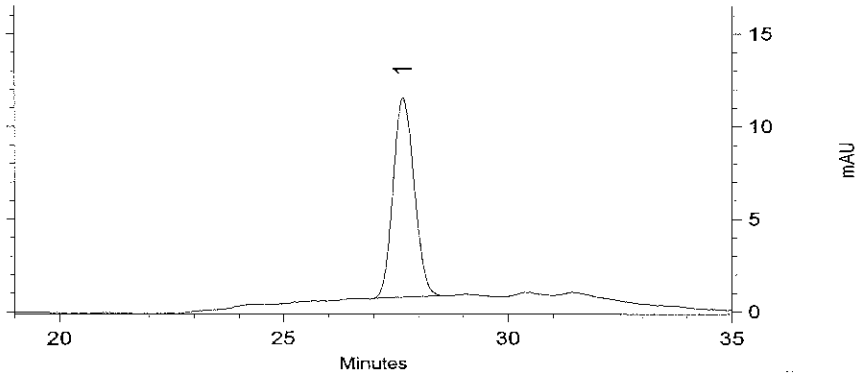
Flow Rate:
1.0 ml/min.

Mobile Phase A:
water:methanol (44:56 V/V)

Mobile Phase B:

Mobile Phase Comp

Det. Type:
Wavelength: 210 nm



Diane Shaffer - QA Analyst

Date Passed: 23-Nov-2011 **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 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.

ERA

A Waters Company

Certificate of Analysis

Rcd 11/6/12

PRODUCT:	1000 mg/L Nitrite as N (NO_2-N)
CATALOG NUMBER:	053 -125 mL; 990 - 500 mL
LOT NUMBER:	210912
ISSUE DATE:	September 21, 2012
REVISION DATE:	Original
STARTING MATERIAL:	Sodium Nitrite ($NaNO_2$)
CERTIFIED CONCENTRATION[1]:	1000 mg/L
UNCERTAINTY[2]:	0.6%
MATRIX:	18 megohm deionized water
DENSITY:	1.0007 ± 0.0008 g/mL at 21.5°C and 778 mm Hg
TRACEABILITY[3]:	NA
NIST/SRM:	SRM not available
VERIFICATION METHOD:	Ion Chromatography
STORAGE:	Store at 20-25°C

1. The **Certified Concentration** is the actual made-to concentration confirmed by ERA analytical verification.

2. The stated **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor which is equal to the student t factor at a 95% confidence interval at n-1 degrees of freedom. The uncertainty applies to the product as supplied and does not take into account any required or optional dilutions and/or preparations the laboratory may perform while using this product.

3. Traceability Recovery = ((% Recovery certified standard)/(% Recovery NIST SRM))*100.

   The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

This standard **expires 9/2014**. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

This product is intended to be used as either a calibration standard or a quality control check of the entire analytical process for the analytes/matrix included in the standard.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or email to info@eraqc.com

Certifying Officer: Tom Widera

ACCREDITED

REFERENCE MATERIAL PRODUCER
CERT # 1539.03

16341 Table Mtn Pkwy, Golden, CO 80403 800-372-0122 fax: 303-421-0159 www.eraqc.com

DEC 1 9 2013

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
P.O. Box 2704 P: +31 20 638 05 97
1000 CS Amsterdam F: +31 20 420 28 36
The Netherlands

CPI INTERNATIONAL

Advanced Analytical, Semiconductor and Life Science Solutions

www.cpiinternational.com
www.colitag.com

CERTIFICATE OF ANALYSIS

P/N 4400-IC12M

Ion Chromatography Nitrogen Standard
N in H_2O
1000 µg/mL ± 0.5%

Lot # 12B200

Material Source: Sodium nitrite ($NaNO_2$)
Source Purity: 99.99%

This standard solution was prepared using a high-purity starting material and 18-megaohm deionized water. The starting material was weighed to five significant figures and diluted in a Class A volumetric glassware calibrated in accordance with National Bureau of Standards Circular 602. All balances are routinely calibrated using Class F NIST traceable weights.

This solution was certified instrumentally against the National Institute of Standards and Technology's SRM 3100 series.

Accuracy and stability are guaranteed to within plus or minus 0.5% of the certified value for 18 months after the date of shipment. The solution should be kept tightly capped and stored under normal laboratory conditions. See attached MSDS for proper handling information.

For questions or comments please call 1-800-878-7654 in the USA or +31 20 638 05 97 in Europe.

ISO 9001:2008 ACLASS ISO 17025

colitag™ PEAK PERFORMANCE™ CERTIFIED REFERENCE MATERIALS MOD BLOCK Accu•prep 7000™ Extraction Manifold Nu•Phase™ SPE Disks

Certification Summary

Client: Environmental Chemical Corp.
Project/Site: RVAAP - ECC

TestAmerica Job ID: 240-17796-1

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
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas DEQ	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAP	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAP	4	E87570
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAP	5	200060
TestAmerica West Sacramento	Kansas	NELAP	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAP	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAP	2	CA005
TestAmerica West Sacramento	New York	NELAP	2	11666
TestAmerica West Sacramento	Northern Mariana Islands	State Program	9	MP0007
TestAmerica West Sacramento	Oregon	NELAP	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAP	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAP	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	Federal		LE148388-0
TestAmerica West Sacramento	USDA	Federal		P330-11-00436
TestAmerica West Sacramento	Utah	NELAP	8	QUAN1
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	State Program	3	9930C
TestAmerica West Sacramento	West Virginia DEP	State Program	3	334
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q

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.: 240-17796-1

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 240-66239/5	86	93	91	89
	MRL 240-66239/31	85	91	94	88

	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.: 240-17796-1

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-0023M-0001-SO	240-17796-1	81	93	92	90
076SB-0024M-0001-SO	240-17796-3	81	93	92	88
076SB-0025M-0001-SO	240-17796-4	80	93	94	92
076SB-0026M-0001-SO	240-17796-5	81	93	92	87
076SB-0027M-0001-SO	240-17796-6	82	92	100	99
076SB-0028M-0001-SO	240-17796-7	82	97	92	87
076SB-0029M-0001-SO	240-17796-8	79	90	92	94
076SB-0060M-0001-SO	240-17796-22	81	96	95	89
076SB-0061M-0001-SO	240-17796-23	77	89	92	86
076SB-0062M-0001-SO	240-17796-24	80	95	92	86
076SB-0063M-0001-SO	240-17796-25	78	90	99	107
076SB-0064M-0001-SO	240-17796-26	81	97	92	86
076SB-0065M-0001-SO	240-17796-27	79	88	93	87
076SB-0066M-0001-SO	240-17796-28	80	94	93	91
	MB 240-66239/8	82	91	89	85
	LCS 240-66239/7	91	91	93	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.: 240-17796-1

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.: 240-17796-1

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 #
076-0067-0001-ER	240-17796-20	108	113	107	82
076-0068-0001-TB	240-17796-21	107	110	100	77
076SB-0052-0001-TB	240-17796-37	103	108	99	75
	MB 240-65929/6	101	108	102	81
	LCS 240-65929/4	96	101	102	94
076-0067-0001-ER MS	240-17796-20 MS	96	103	101	94
076-0067-0001-ER MSD	240-17796-20 MSD	96	108	103	96

	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.: 240-17796-1

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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149440.D

Lab ID: LCS 240-66239/7 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	51.0	102	70-135	
1,1,2,2-Tetrachloroethane	50.0	52.3	105	55-130	
1,1,2-Trichloroethane	50.0	52.0	104	60-125	
1,1-Dichloroethane	50.0	53.7	107	75-125	
1,1-Dichloroethene	50.0	52.4	105	65-135	
1,2-Dichloroethane	50.0	50.8	102	70-135	
1,2-Dichloropropane	50.0	53.0	106	70-120	
2-Butanone (MEK)	100	101	101	30-160	
2-Hexanone	100	105	105	45-145	
4-Methyl-2-pentanone (MIBK)	100	107	107	45-145	
Acetone	100	125	125	20-160	
Benzene	50.0	51.1	102	75-125	
Bromoform	50.0	45.8	92	55-135	
Bromomethane	50.0	37.3	75	30-160	
Carbon disulfide	50.0	42.1	84	45-160	
Carbon tetrachloride	50.0	47.9	96	65-135	
Chlorobenzene	50.0	48.8	98	75-125	
Bromodichloromethane	50.0	47.6	95	70-130	
Chloromethane	50.0	43.8	88	50-130	
cis-1,3-Dichloropropene	50.0	45.2	90	70-125	
Dibromochloromethane	50.0	44.3	89	65-130	
Ethylbenzene	50.0	51.4	103	75-125	
Methyl tert-butyl ether	50.0	51.3	103	70-130	
Methylene Chloride	50.0	51.0	102	55-140	
Styrene	50.0	52.8	106	75-125	
Tetrachloroethene	50.0	51.0	102	65-140	
Toluene	50.0	50.5	101	70-125	
Chloroform	50.0	50.4	101	70-125	
Bromochloromethane	50.0	50.7	101	70-125	
trans-1,3-Dichloropropene	50.0	46.0	92	65-125	
Trichloroethene	50.0	53.1	106	75-125	
Vinyl chloride	50.0	43.6	87	60-125	
Chloroethane	50.0	45.8	92	40-155	
Xylenes, Total	150	152	101	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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149438.D

Lab ID: MRL 240-66239/5 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00444	89	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00490	98	70-130	
1,1,2-Trichloroethane	0.00500	0.00488	98	70-130	
1,1-Dichloroethane	0.00500	0.00480	96	70-130	
1,1-Dichloroethene	0.00500	0.00478	96	70-130	
1,2-Dichloroethane	0.00500	0.00498	100	70-130	
1,2-Dichloropropane	0.00500	0.00503	101	70-130	
2-Butanone (MEK)	0.0100	0.0113	113	70-130	
2-Hexanone	0.0100	0.0108	108	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00995 J	100	70-130	
Acetone	0.0100	0.0220	220	70-130	^
Benzene	0.00500	0.00493	99	70-130	
Bromoform	0.00500	0.00660	132	70-130	^
Bromomethane	0.00500	0.00506	101	70-130	
Carbon disulfide	0.00500	0.00569	114	70-130	
Carbon tetrachloride	0.00500	0.00576	115	70-130	
Chlorobenzene	0.00500	0.00496	99	70-130	
Bromodichloromethane	0.00500	0.00597	119	70-130	
Chloromethane	0.00500	0.00484	97	70-130	
cis-1,3-Dichloropropene	0.00500	0.00604	121	70-130	
Dibromochloromethane	0.00500	0.00624	125	70-130	
Ethylbenzene	0.00500	0.00498	100	70-130	
Methyl tert-butyl ether	0.00500	0.00493	99	70-130	
Methylene Chloride	0.00500	0.00481	96	70-130	
Styrene	0.00500	0.00470	94	70-130	
Tetrachloroethene	0.00500	0.00530	106	70-130	
Toluene	0.00500	0.00505	101	70-130	
Chloroform	0.00500	0.00481	96	70-130	
Bromochloromethane	0.00500	0.00476	95	70-130	
trans-1,3-Dichloropropene	0.00500	0.00608	122	70-130	
Trichloroethene	0.00500	0.00516	103	70-130	
Vinyl chloride	0.00500	0.00498	100	70-130	
Chloroethane	0.00500	0.00467	93	70-130	
Xylenes, Total	0.0150	0.0152	101	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 149464.D

Lab ID: MRL 240-66239/31 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.00500	0.00449	90	70-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00514	103	70-130	
1,1,2-Trichloroethane	0.00500	0.00543	109	70-130	
1,1-Dichloroethane	0.00500	0.00504	101	70-130	
1,1-Dichloroethene	0.00500	0.00487	97	70-130	
1,2-Dichloroethane	0.00500	0.00525	105	70-130	
1,2-Dichloropropane	0.00500	0.00517	103	70-130	
2-Butanone (MEK)	0.0100	0.0113	113	70-130	
2-Hexanone	0.0100	0.00898 J	90	70-130	
4-Methyl-2-pentanone (MIBK)	0.0100	0.00946 J	95	70-130	
Acetone	0.0100	0.0323	323	70-130	^
Benzene	0.00500	0.00538	108	70-130	
Bromoform	0.00500	0.00644	129	70-130	
Bromomethane	0.00500	0.00523	105	70-130	
Carbon disulfide	0.00500	0.00541	108	70-130	
Carbon tetrachloride	0.00500	0.00553	111	70-130	
Chlorobenzene	0.00500	0.00524	105	70-130	
Bromodichloromethane	0.00500	0.00596	119	70-130	
Chloromethane	0.00500	0.00462	92	70-130	
cis-1,3-Dichloropropene	0.00500	0.00591	118	70-130	
Dibromochloromethane	0.00500	0.00634	127	70-130	
Ethylbenzene	0.00500	0.00538	108	70-130	
Methyl tert-butyl ether	0.00500	0.00499	100	70-130	
Methylene Chloride	0.00500	0.00800	160	70-130	^
Styrene	0.00500	0.00477	95	70-130	
Tetrachloroethene	0.00500	0.00534	107	70-130	
Toluene	0.00500	0.00551	110	70-130	
Chloroform	0.00500	0.00490	98	70-130	
Bromochloromethane	0.00500	0.00502	100	70-130	
trans-1,3-Dichloropropene	0.00500	0.00587	117	70-130	
Trichloroethene	0.00500	0.00532	106	70-130	
Vinyl chloride	0.00500	0.00468	94	70-130	
Chloroethane	0.00500	0.00487	97	70-130	
Xylenes, Total	0.0150	0.0157	105	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1144.D

Lab ID: 240-17796-20 MS Client ID: 076-0067-0001-ER MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	0.25 U	9.97	100	65-130	
1,1,2,2-Tetrachloroethane	10.0	0.25 U	9.27	93	65-130	
1,1,2-Trichloroethane	10.0	0.50 U	9.73	97	75-125	
1,1-Dichloroethane	10.0	0.25 U	10.2	102	70-135	
1,1-Dichloroethene	10.0	0.25 U	11.1	111	70-130	
1,2-Dichloroethane	10.0	0.25 U	10.2	102	70-130	
1,2-Dichloropropane	10.0	0.25 U	9.88	99	75-125	
2-Butanone (MEK)	20.0	0.57 U	17.0	85	30-150	
2-Hexanone	20.0	0.50 U	18.7	93	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	0.50 U	18.1	90	60-135	
Acetone	20.0	1.1 U	17.1	86	40-140	
Benzene	10.0	0.25 U	9.62	96	80-120	
Bromoform	10.0	0.64 U	8.20	82	70-130	
Bromomethane	10.0	0.50 U	7.71	77	30-145	
Carbon disulfide	10.0	0.25 U	11.1	111	35-160	
Carbon tetrachloride	10.0	0.25 U	10.5	105	65-140	
Chlorobenzene	10.0	0.25 U	8.97	90	80-120	
Bromodichloromethane	10.0	0.25 U	9.41	94	75-120	
Chloromethane	10.0	0.50 U	9.22	92	40-125	
cis-1,3-Dichloropropene	10.0	0.25 U	8.07	81	70-130	
Dibromochloromethane	10.0	0.25 U	9.23	92	60-135	
Ethylbenzene	10.0	0.25 U	9.40	94	75-125	
Methyl tert-butyl ether	10.0	0.25 U	8.82	88	65-125	
Methylene Chloride	10.0	0.36 J	9.18	88	55-140	
Styrene	10.0	0.25 U	9.44	94	65-135	
Tetrachloroethene	10.0	0.50 U	9.48	95	45-150	
Toluene	10.0	0.25 U	9.85	99	75-120	
Chloroform	10.0	0.61 J	10.1	95	65-135	
Bromochloromethane	10.0	0.50 U	9.08	91	65-130	
trans-1,3-Dichloropropene	10.0	0.25 U	9.07	91	55-140	
Trichloroethene	10.0	0.25 U	9.18	92	70-125	
Vinyl chloride	10.0	0.25 U	10.5	105	50-145	
Chloroethane	10.0	0.50 U	7.58	76	60-135	
Xylenes, Total	30.0	0.75 U	28.6	95	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXX1145.D

Lab ID: 240-17796-20 MSD Client ID: 076-0067-0001-ER MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	10.5	105	5	30	65-130	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	8	30	65-130	
1,1,2-Trichloroethane	10.0	9.84	98	1	30	75-125	
1,1-Dichloroethane	10.0	10.5	105	3	30	70-135	
1,1-Dichloroethene	10.0	11.0	110	1	30	70-130	
1,2-Dichloroethane	10.0	10.4	104	2	30	70-130	
1,2-Dichloropropane	10.0	9.95	99	1	30	75-125	
2-Butanone (MEK)	20.0	18.2	91	7	30	30-150	
2-Hexanone	20.0	20.7	104	11	30	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	19.3	97	7	30	60-135	
Acetone	20.0	20.3	101	17	30	40-140	
Benzene	10.0	10.1	101	5	30	80-120	
Bromoform	10.0	8.51	85	4	30	70-130	
Bromomethane	10.0	8.31	83	7	30	30-145	
Carbon disulfide	10.0	11.0	110	0	30	35-160	
Carbon tetrachloride	10.0	10.7	107	2	30	65-140	
Chlorobenzene	10.0	9.44	94	5	30	80-120	
Bromodichloromethane	10.0	9.68	97	3	30	75-120	
Chloromethane	10.0	9.50	95	3	30	40-125	
cis-1,3-Dichloropropene	10.0	8.21	82	2	30	70-130	
Dibromochloromethane	10.0	9.43	94	2	30	60-135	
Ethylbenzene	10.0	10.1	101	7	30	75-125	
Methyl tert-butyl ether	10.0	9.31	93	5	50	65-125	
Methylene Chloride	10.0	9.96	96	8	30	55-140	
Styrene	10.0	9.71	97	3	30	65-135	
Tetrachloroethene	10.0	9.96	100	5	30	45-150	
Toluene	10.0	10.1	101	2	30	75-120	
Chloroform	10.0	10.2	96	1	30	65-135	
Bromochloromethane	10.0	9.39	94	3	30	65-130	
trans-1,3-Dichloropropene	10.0	9.59	96	6	30	55-140	
Trichloroethene	10.0	9.40	94	2	30	70-125	
Vinyl chloride	10.0	10.6	106	0	30	50-145	
Chloroethane	10.0	8.38	84	10	30	60-135	
Xylenes, Total	30.0	30.3	101	6	30	75-130	

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.: 240-17796-1

SDG No.:

Lab File ID: 149441.D Lab Sample ID: MB 240-66239/8

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX14 Date Analyzed: 11/26/2012 14:15

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 240-66239/7	149440.D	11/26/2012 13:54
076SB-0023M-0001-SO	240-17796-1	149450.D	11/26/2012 17:29
076SB-0024M-0001-SO	240-17796-3	149451.D	11/26/2012 17:51
076SB-0025M-0001-SO	240-17796-4	149452.D	11/26/2012 18:12
076SB-0026M-0001-SO	240-17796-5	149453.D	11/26/2012 18:34
076SB-0027M-0001-SO	240-17796-6	149454.D	11/26/2012 18:55
076SB-0028M-0001-SO	240-17796-7	149455.D	11/26/2012 19:17
076SB-0029M-0001-SO	240-17796-8	149456.D	11/26/2012 19:38
076SB-0060M-0001-SO	240-17796-22	149457.D	11/26/2012 20:00
076SB-0061M-0001-SO	240-17796-23	149458.D	11/26/2012 20:21
076SB-0062M-0001-SO	240-17796-24	149459.D	11/26/2012 20:43
076SB-0063M-0001-SO	240-17796-25	149460.D	11/26/2012 21:05
076SB-0064M-0001-SO	240-17796-26	149461.D	11/26/2012 21:26
076SB-0065M-0001-SO	240-17796-27	149462.D	11/26/2012 21:48
076SB-0066M-0001-SO	240-17796-28	149463.D	11/26/2012 22:09

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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
076-0067-0001-ER	240-17796-20	UXX1136.D	11/21/2012 13:47
076-0068-0001-TB	240-17796-21	UXX1138.D	11/21/2012 14:31
076SB-0052-0001-TB	240-17796-37	UXX1139.D	11/21/2012 14:54
076-0067-0001-ER MS	240-17796-20 MS	UXX1144.D	11/21/2012 16:46
076-0067-0001-ER MSD	240-17796-20 MSD	UXX1145.D	11/21/2012 17:08

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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.: 240-17796-1

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
076-0067-0001-ER	240-17796-20	UXX1136.D	11/21/2012	13:47
076-0068-0001-TB	240-17796-21	UXX1138.D	11/21/2012	14:31
076SB-0052-0001-TB	240-17796-37	UXX1139.D	11/21/2012	14:54
076-0067-0001-ER MS	240-17796-20 MS	UXX1144.D	11/21/2012	16:46
076-0067-0001-ER MSD	240-17796-20 MSD	UXX1145.D	11/21/2012	17:08
	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.: 240-17796-1

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.: 240-17796-1

SDG No.:

Lab File ID: BFB14290.D BFB Injection Date: 11/26/2012

Instrument ID: A3UX14 BFB Injection Time: 11:23

Analysis Batch No.: 66239

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.5	
75	30.0 - 60.0 % of mass 95	48.0	
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	81.8	
175	5.0 - 9.0 % of mass 174	5.9	(7.2)1
176	95.0 - 101.0 % of mass 174	79.1	(96.7)1
177	5.0 - 9.0 % of mass 176	5.2	(6.6)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 240-66239/4	149436.D	11/26/2012	12:28
	CCV 240-66239/10	149437.D	11/26/2012	12:49
	MRL 240-66239/5	149438.D	11/26/2012	13:11
	LCS 240-66239/7	149440.D	11/26/2012	13:54
	MB 240-66239/8	149441.D	11/26/2012	14:15
076SB-0023M-0001-SO	240-17796-1	149450.D	11/26/2012	17:29
076SB-0024M-0001-SO	240-17796-3	149451.D	11/26/2012	17:51
076SB-0025M-0001-SO	240-17796-4	149452.D	11/26/2012	18:12
076SB-0026M-0001-SO	240-17796-5	149453.D	11/26/2012	18:34
076SB-0027M-0001-SO	240-17796-6	149454.D	11/26/2012	18:55
076SB-0028M-0001-SO	240-17796-7	149455.D	11/26/2012	19:17
076SB-0029M-0001-SO	240-17796-8	149456.D	11/26/2012	19:38
076SB-0060M-0001-SO	240-17796-22	149457.D	11/26/2012	20:00
076SB-0061M-0001-SO	240-17796-23	149458.D	11/26/2012	20:21
076SB-0062M-0001-SO	240-17796-24	149459.D	11/26/2012	20:43
076SB-0063M-0001-SO	240-17796-25	149460.D	11/26/2012	21:05
076SB-0064M-0001-SO	240-17796-26	149461.D	11/26/2012	21:26
076SB-0065M-0001-SO	240-17796-27	149462.D	11/26/2012	21:48
076SB-0066M-0001-SO	240-17796-28	149463.D	11/26/2012	22:09
	MRL 240-66239/31	149464.D	11/26/2012	22:31

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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
240-17796-20	076-0067-0001-ER	1843722	5.20	1123228	7.88	504706	10.13
240-17796-21	076-0068-0001-TB	1759111	5.21	1102793	7.88	493498	10.13
240-17796-37	076SB-0052-0001-TB	1784536	5.21	1119312	7.88	499669	10.13
240-17796-20 MS	076-0067-0001-ER MS	1938786	5.20	1234319	7.88	669639	10.13
240-17796-20 MSD	076-0067-0001-ER MSD	1961331	5.20	1250788	7.88	665637	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.: 240-17796-1

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 240-66239/4		2288503	6.89	1321337	9.59	642178	11.57
CCV 240-66239/10		2337143	6.89	1401178	9.60	665415	11.56
MRL 240-66239/5		2318648	6.89	1369591	9.59	680239	11.56
LCS 240-66239/7		2261655	6.89	1337889	9.59	628756	11.57
MB 240-66239/8		2183703	6.89	1280862	9.59	626936	11.57
240-17796-1	076SB-0023M-0001-SO	2124686	6.89	1223439	9.59	569441	11.56
240-17796-3	076SB-0024M-0001-SO	2262823	6.89	1328823	9.59	636768	11.57
240-17796-4	076SB-0025M-0001-SO	2200044	6.88	1237394	9.59	572033	11.57
240-17796-5	076SB-0026M-0001-SO	2293996	6.89	1337070	9.60	649387	11.57
240-17796-6	076SB-0027M-0001-SO	2192783	6.89	1177713	9.59	474411	11.57
240-17796-7	076SB-0028M-0001-SO	2200347	6.89	1273591	9.59	633221	11.56
240-17796-8	076SB-0029M-0001-SO	2221033	6.89	1291560	9.59	587474	11.56
240-17796-22	076SB-0060M-0001-SO	2053618	6.89	1141872	9.59	537638	11.57
240-17796-23	076SB-0061M-0001-SO	2141220	6.89	1205400	9.60	567370	11.56
240-17796-24	076SB-0062M-0001-SO	2172676	6.89	1255566	9.59	613432	11.57
240-17796-25	076SB-0063M-0001-SO	2220560	6.89	1195342	9.59	432861	11.57
240-17796-26	076SB-0064M-0001-SO	2250645	6.89	1313031	9.59	653998	11.57
240-17796-27	076SB-0065M-0001-SO	2222191	6.89	1258503	9.59	591949	11.57
240-17796-28	076SB-0066M-0001-SO	2130984	6.89	1227143	9.59	559984	11.57
MRL 240-66239/31		2221378	6.89	1269554	9.59	622360	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0023M-0001-SO | Lab Sample ID: 240-17796-1

Matrix: Solid | Lab File ID: 149450.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 09:15

Sample wt/vol: 6.443(g) | Date Analyzed: 11/26/2012 17:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.88	U	4.4	0.88	0.49
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	4.4	0.44	0.30
79-00-5	1,1,2-Trichloroethane	0.44	U	4.4	0.44	0.34
75-34-3	1,1-Dichloroethane	0.44	U	4.4	0.44	0.32
75-35-4	1,1-Dichloroethene	0.88	U	4.4	0.88	0.46
106-93-4	1,2-Dibromoethane	0.88	U	4.4	0.88	0.44
107-06-2	1,2-Dichloroethane	0.44	U	4.4	0.44	0.30
540-59-0	1,2-Dichloroethene, Total	0.88	U	8.8	0.88	0.67
78-87-5	1,2-Dichloropropane	0.88	U	4.4	0.88	0.60
78-93-3	2-Butanone (MEK)	1.5	J	18	1.8	1.2
591-78-6	2-Hexanone	0.88	U	18	0.88	0.55
108-10-1	4-Methyl-2-pentanone (MIBK)	0.88	U	18	0.88	0.47
67-64-1	Acetone	5.5	U	18	5.5	5.5
71-43-2	Benzene	0.44	U	4.4	0.44	0.20
74-97-5	Bromochloromethane	0.88	U	4.4	0.88	0.62
75-27-4	Bromodichloromethane	0.44	U	4.4	0.44	0.25
75-25-2	Bromoform	0.44	U	4.4	0.44	0.29
74-83-9	Bromomethane	0.88	U	4.4	0.88	0.47
75-15-0	Carbon disulfide	0.44	U	4.4	0.44	0.39
56-23-5	Carbon tetrachloride	0.44	U	4.4	0.44	0.32
108-90-7	Chlorobenzene	0.44	U	4.4	0.44	0.29
75-00-3	Chloroethane	0.88	U	4.4	0.88	0.75
67-66-3	Chloroform	0.44	U	4.4	0.44	0.25
74-87-3	Chloromethane	0.44	U	4.4	0.44	0.36
10061-01-5	cis-1,3-Dichloropropene	0.44	U	4.4	0.44	0.30
124-48-1	Dibromochloromethane	0.88	U	4.4	0.88	0.48
100-41-4	Ethylbenzene	0.44	U	4.4	0.44	0.23
1634-04-4	Methyl tert-butyl ether	0.44	U	4.4	0.44	0.38
75-09-2	Methylene Chloride	0.88	U	4.4	0.88	0.59
100-42-5	Styrene	0.44	U	4.4	0.44	0.13
127-18-4	Tetrachloroethene	0.88	U	4.4	0.88	0.46
108-88-3	Toluene	0.44	U	4.4	0.44	0.24
10061-02-6	trans-1,3-Dichloropropene	0.88	U	4.4	0.88	0.47
79-01-6	Trichloroethene	0.44	U	4.4	0.44	0.37
75-01-4	Vinyl chloride	0.44	U	4.4	0.44	0.34
1330-20-7	Xylenes, Total	1.3	U	8.8	1.3	0.59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0023M-0001-SO Lab Sample ID: 240-17796-1

Matrix: Solid Lab File ID: 149450.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 09:15

Sample wt/vol: 6.443(g) Date Analyzed: 11/26/2012 17:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.5 Level: (low/med) Low

Analysis Batch No.: 66239 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)	90		85-120
1868-53-7	Dibromofluoromethane (Surr)	81		59-138
2037-26-5	Toluene-d8 (Surr)	92		85-115

Report Date: 27-Nov-2012 09:28:09 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149450.D
Lims ID: 240-17796-B-1-A Client ID: 076SB-0023M-0001-SO
Inject. Date: 26-Nov-2012 17:29:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-1-a
Misc. Info.: 240-0015258-017 =240-0015258-017
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 66239 Lims Sample ID: 17
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:05:53

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	2124686	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	91	1223439	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.559	0.0	96	569441	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	63	426583	40.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	92	606361	46.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	1755364	46.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	89	512514	45.2	
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		3.146					
22 Acetone	43	3.264	3.252	0.012	96	37106	5.60	
26 Carbon disulfide	76		3.418					9
30 Methylene Chloride	84		3.879					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.713	5.702	0.011	24	8808	1.69	
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	73	2743	0.2197	
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	71	8669	0.2050	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					
77 Tetrachloroethene	164	8.884	8.885	-0.001	70	1903	0.2030	
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	34	1458	0.1022	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	85	2908	0.1669	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		0.1669	

QC Flag Legend

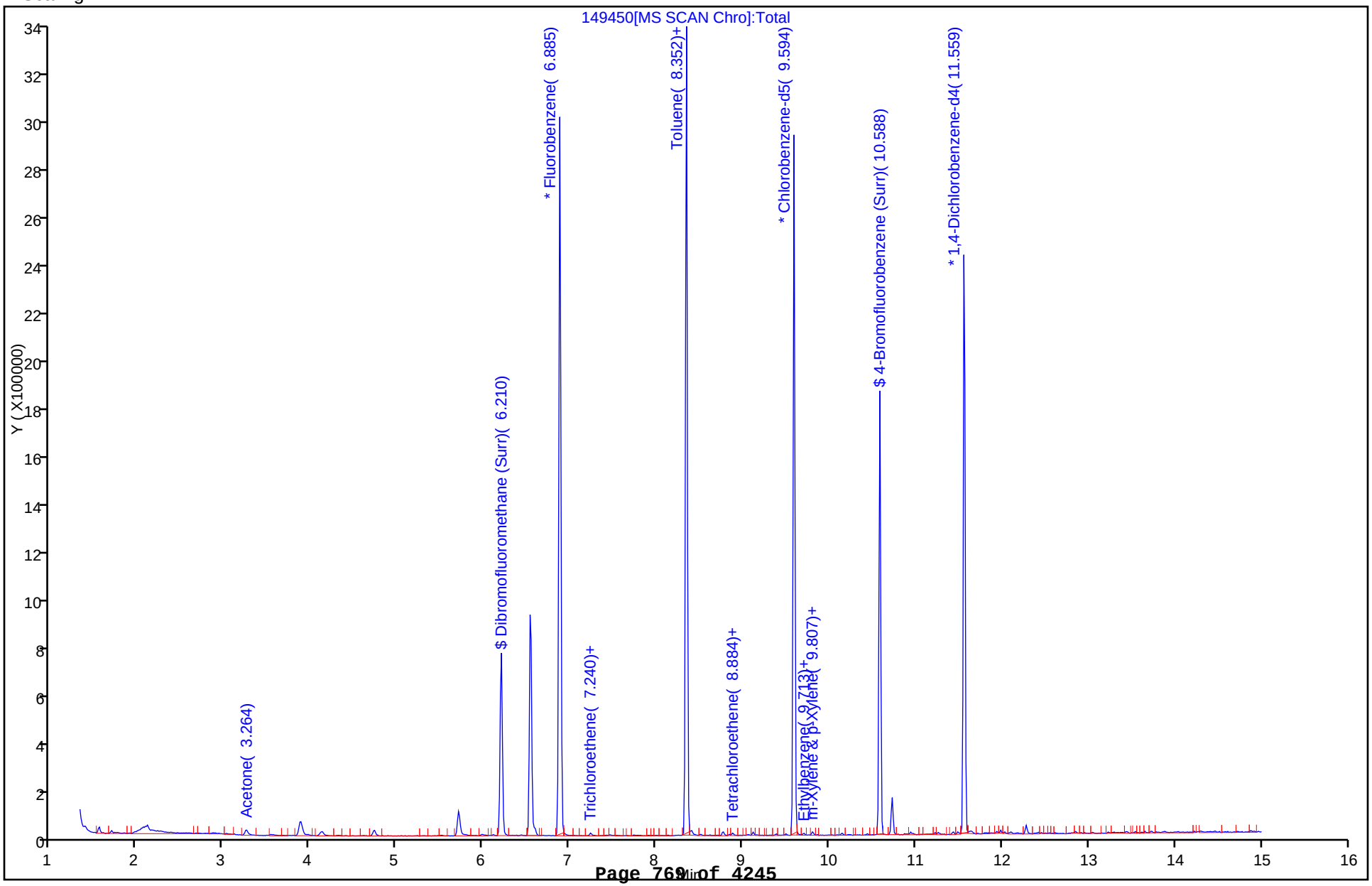
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:09 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149450.D		
Injection Date:	26-Nov-2012 17:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	17
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:

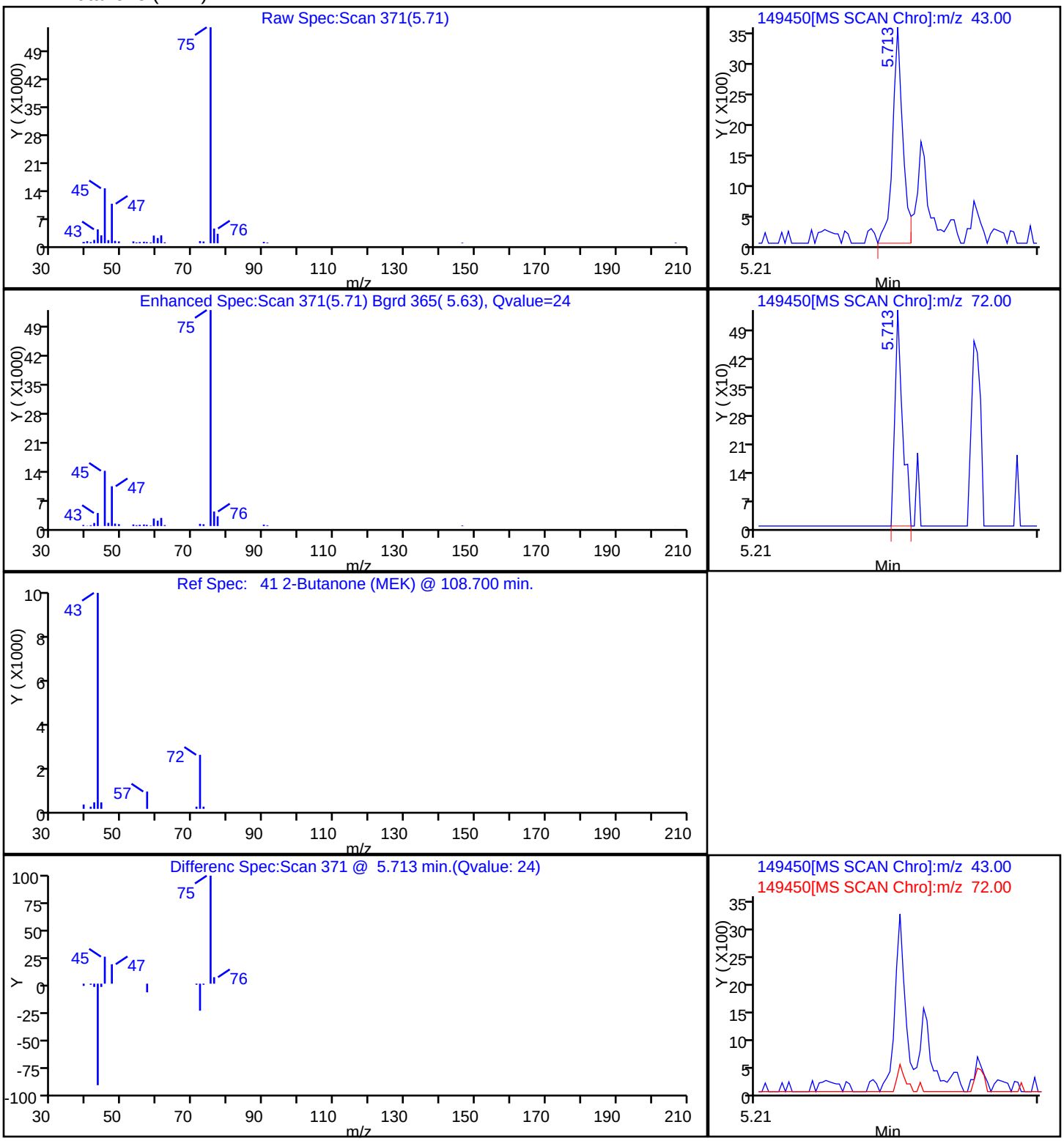


Report Date: 27-Nov-2012 09:28:09 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149450.D		
Injection Date:	26-Nov-2012 17:29:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	17
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0024M-0001-SO | Lab Sample ID: 240-17796-3

Matrix: Solid | Lab File ID: 149451.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 10:20

Sample wt/vol: 4.929(g) | Date Analyzed: 11/26/2012 17:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.2 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.2	U	5.9	1.2	0.66
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.9	0.59	0.40
79-00-5	1,1,2-Trichloroethane	0.59	U	5.9	0.59	0.46
75-34-3	1,1-Dichloroethane	0.59	U	5.9	0.59	0.43
75-35-4	1,1-Dichloroethene	1.2	U	5.9	1.2	0.61
106-93-4	1,2-Dibromoethane	1.2	U	5.9	1.2	0.59
107-06-2	1,2-Dichloroethane	0.59	U	5.9	0.59	0.40
540-59-0	1,2-Dichloroethene, Total	1.2	U	12	1.2	0.91
78-87-5	1,2-Dichloropropane	1.2	U	5.9	1.2	0.82
78-93-3	2-Butanone (MEK)	2.3	J	24	2.4	1.7
591-78-6	2-Hexanone	1.2	U	24	1.2	0.74
108-10-1	4-Methyl-2-pentanone (MIBK)	1.2	U	24	1.2	0.64
67-64-1	Acetone	13	J B	24	7.4	7.4
71-43-2	Benzene	0.59	U	5.9	0.59	0.27
74-97-5	Bromochloromethane	1.2	U	5.9	1.2	0.84
75-27-4	Bromodichloromethane	0.59	U	5.9	0.59	0.33
75-25-2	Bromoform	0.59	U	5.9	0.59	0.39
74-83-9	Bromomethane	1.2	U	5.9	1.2	0.64
75-15-0	Carbon disulfide	0.59	U	5.9	0.59	0.52
56-23-5	Carbon tetrachloride	0.59	U	5.9	0.59	0.44
108-90-7	Chlorobenzene	0.59	U	5.9	0.59	0.39
75-00-3	Chloroethane	1.2	U	5.9	1.2	1.0
67-66-3	Chloroform	0.59	U	5.9	0.59	0.34
74-87-3	Chloromethane	0.59	U	5.9	0.59	0.48
10061-01-5	cis-1,3-Dichloropropene	0.59	U	5.9	0.59	0.40
124-48-1	Dibromochloromethane	1.2	U	5.9	1.2	0.65
100-41-4	Ethylbenzene	0.59	U	5.9	0.59	0.31
1634-04-4	Methyl tert-butyl ether	0.59	U	5.9	0.59	0.51
75-09-2	Methylene Chloride	1.2	U	5.9	1.2	0.79
100-42-5	Styrene	0.59	U	5.9	0.59	0.18
127-18-4	Tetrachloroethene	1.2	U	5.9	1.2	0.61
108-88-3	Toluene	0.59	U	5.9	0.59	0.32
10061-02-6	trans-1,3-Dichloropropene	1.2	U	5.9	1.2	0.64
79-01-6	Trichloroethene	0.59	U	5.9	0.59	0.50
75-01-4	Vinyl chloride	0.59	U	5.9	0.59	0.46
1330-20-7	Xylenes, Total	1.8	U	12	1.8	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0024M-0001-SO Lab Sample ID: 240-17796-3

Matrix: Solid Lab File ID: 149451.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 10:20

Sample wt/vol: 4.929(g) Date Analyzed: 11/26/2012 17:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.2 Level: (low/med) Low

Analysis Batch No.: 66239 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)	88		85-120
1868-53-7	Dibromofluoromethane (Surr)	81		59-138
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149451.D
Lims ID: 240-17796-B-3-A
Client ID: 076SB-0024M-0001-SO
Inject. Date: 26-Nov-2012 17:51:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-3-a
Misc. Info.: 240-0015258-018 =240-0015258-018
Operator: 002808
Instrument ID: A3UX14
Purge Vol: 5.000 mL
ALS Bottle#: 18
Lims Batch ID: 66239
Lims Sample ID: 18
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58
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: XAWRK019

First Level Reviewer: macenczaks
Date: 27-Nov-2012 09:06:06

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	2262823	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	91	1328823	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.559	0.011	98	636768	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	59	453611	40.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	92	644799	46.3	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1913199	46.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	559729	44.1	
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		3.146					
22 Acetone	43	3.252	3.252	0.0	97	57745	11.2	
26 Carbon disulfide	76		3.418					9
30 Methylene Chloride	84	3.891	3.879	0.012	86	45584	0.3732	
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					9
41 2-Butanone (MEK)	43	5.713	5.702	0.011	27	10747	1.94	
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	68	2620	0.1971	
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	8.257	0.0	73	1639	0.1653	
72 Toluene	91	8.411	8.411	0.0	84	9428	0.2053	
73 trans-1,3-Dichloropropene	75		8.601					9
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164	8.884	8.885	-0.001	51	1170	0.1149	
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	38	1006	0.0649	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	91	2741	0.1449	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		0.1449	

QC Flag Legend

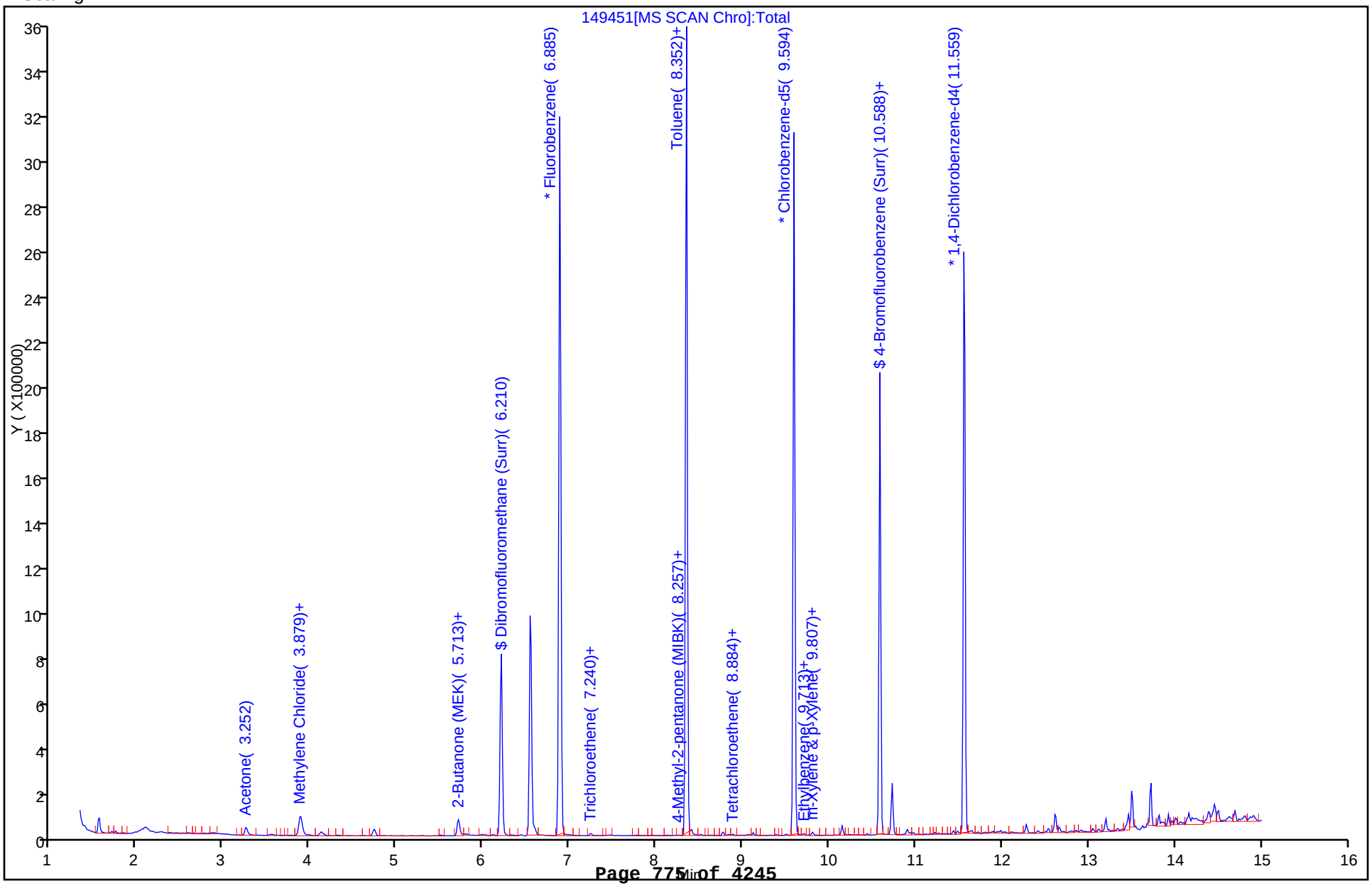
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149451.D		
Injection Date:	26-Nov-2012 17:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0024M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	18
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:

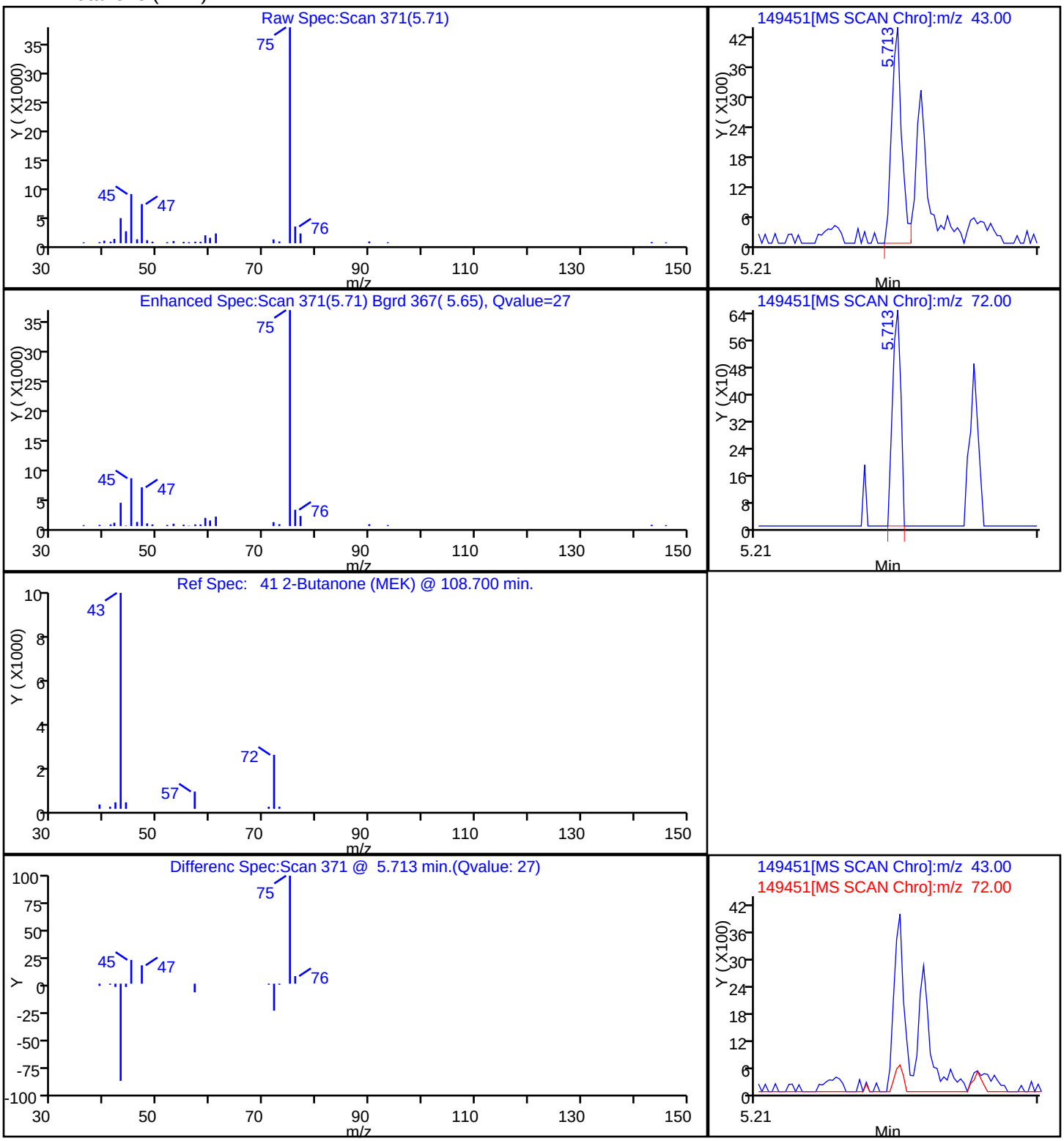


Report Date: 27-Nov-2012 09:28:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149451.D		
Injection Date:	26-Nov-2012 17:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0024M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	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)



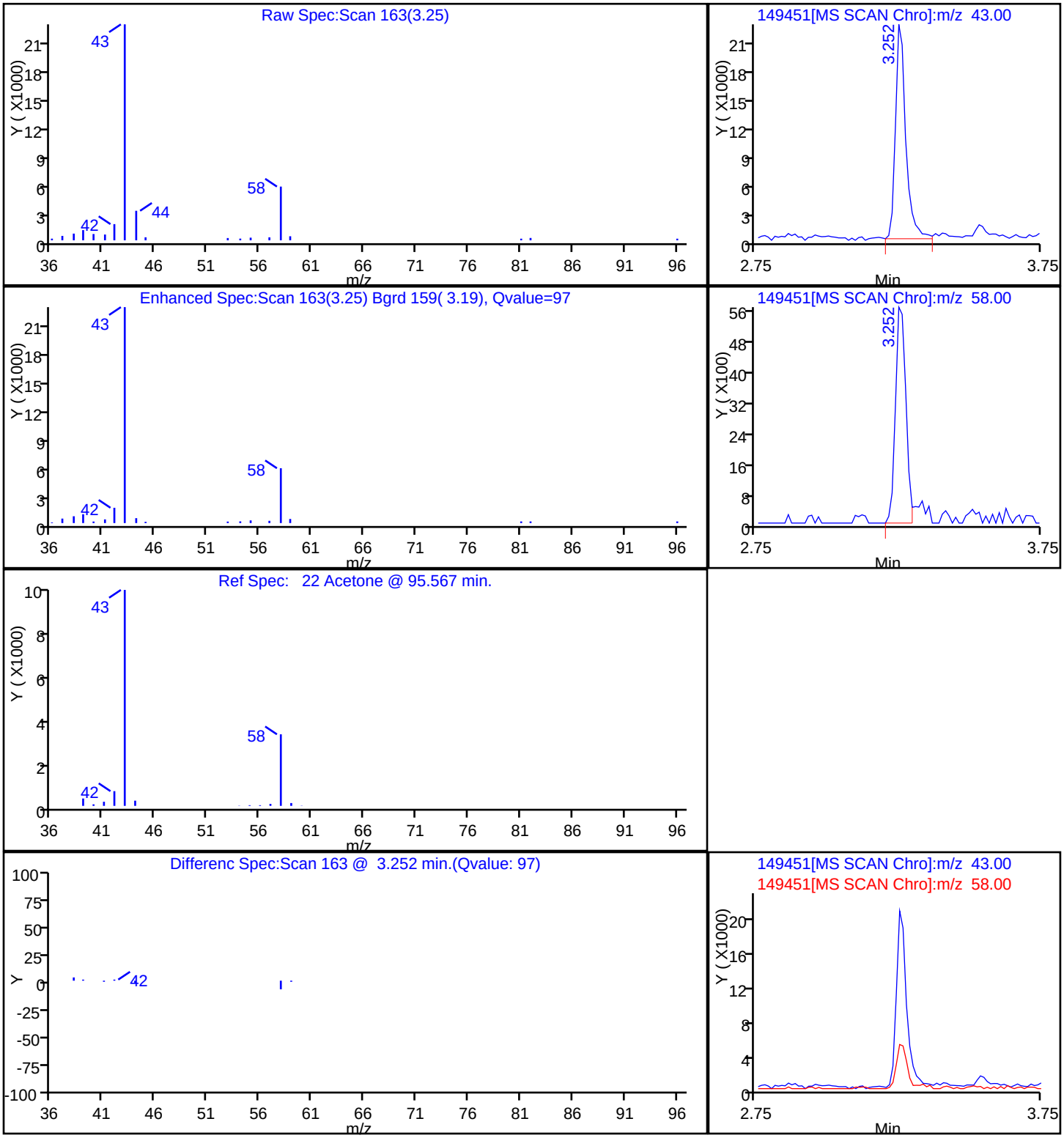
Report Date: 27-Nov-2012 09:28:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149451.D

Injection Date:	26-Nov-2012 17:51:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0024M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	18
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0025M-0001-SO | Lab Sample ID: 240-17796-4

Matrix: Solid | Lab File ID: 149452.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 09:00

Sample wt/vol: 6.68(g) | Date Analyzed: 11/26/2012 18:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.4 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.83	U	4.2	0.83	0.47
79-34-5	1,1,2,2-Tetrachloroethane	0.42	U	4.2	0.42	0.28
79-00-5	1,1,2-Trichloroethane	0.42	U	4.2	0.42	0.33
75-34-3	1,1-Dichloroethane	0.42	U	4.2	0.42	0.30
75-35-4	1,1-Dichloroethene	0.83	U	4.2	0.83	0.43
106-93-4	1,2-Dibromoethane	0.83	U	4.2	0.83	0.42
107-06-2	1,2-Dichloroethane	0.42	U	4.2	0.42	0.28
540-59-0	1,2-Dichloroethene, Total	0.83	U	8.3	0.83	0.64
78-87-5	1,2-Dichloropropane	0.83	U	4.2	0.83	0.58
78-93-3	2-Butanone (MEK)	1.4	J	17	1.7	1.2
591-78-6	2-Hexanone	0.83	U	17	0.83	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	0.83	U	17	0.83	0.45
67-64-1	Acetone	7.5	J B	17	5.3	5.3
71-43-2	Benzene	0.42	U	4.2	0.42	0.19
74-97-5	Bromochloromethane	0.83	U	4.2	0.83	0.59
75-27-4	Bromodichloromethane	0.42	U	4.2	0.42	0.23
75-25-2	Bromoform	0.42	U	4.2	0.42	0.28
74-83-9	Bromomethane	0.83	U	4.2	0.83	0.45
75-15-0	Carbon disulfide	2.4	J	4.2	0.42	0.37
56-23-5	Carbon tetrachloride	0.42	U	4.2	0.42	0.31
108-90-7	Chlorobenzene	0.42	U	4.2	0.42	0.28
75-00-3	Chloroethane	0.83	U	4.2	0.83	0.72
67-66-3	Chloroform	0.42	U	4.2	0.42	0.24
74-87-3	Chloromethane	0.42	U	4.2	0.42	0.34
10061-01-5	cis-1,3-Dichloropropene	0.42	U	4.2	0.42	0.28
124-48-1	Dibromochloromethane	0.83	U	4.2	0.83	0.46
100-41-4	Ethylbenzene	0.42	U	4.2	0.42	0.22
1634-04-4	Methyl tert-butyl ether	0.42	U	4.2	0.42	0.36
75-09-2	Methylene Chloride	0.83	U	4.2	0.83	0.56
100-42-5	Styrene	0.42	U	4.2	0.42	0.13
127-18-4	Tetrachloroethene	0.83	U	4.2	0.83	0.43
108-88-3	Toluene	0.42	U	4.2	0.42	0.23
10061-02-6	trans-1,3-Dichloropropene	0.83	U	4.2	0.83	0.45
79-01-6	Trichloroethene	0.42	U	4.2	0.42	0.35
75-01-4	Vinyl chloride	0.42	U	4.2	0.42	0.33
1330-20-7	Xylenes, Total	1.3	U	8.3	1.3	0.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0025M-0001-SO Lab Sample ID: 240-17796-4

Matrix: Solid Lab File ID: 149452.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 09:00

Sample wt/vol: 6.68(g) Date Analyzed: 11/26/2012 18:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 10.4 Level: (low/med) Low

Analysis Batch No.: 66239 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)	92		85-120
1868-53-7	Dibromofluoromethane (Surr)	80		59-138
2037-26-5	Toluene-d8 (Surr)	94		85-115

Report Date: 27-Nov-2012 09:28:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149452.D
Lims ID: 240-17796-B-4-A Client ID: 076SB-0025M-0001-SO
Inject. Date: 26-Nov-2012 18:12:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-4-a
Misc. Info.: 240-0015258-019 =240-0015258-019
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 66239 Lims Sample ID: 19
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:06:19

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	6.884	6.885	-0.001	99	2200044	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	97	1237394	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.559	0.011	98	572033	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	64	437542	40.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	91	626581	46.3	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1819770	47.2	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	89	524036	46.0	
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		3.146					
22 Acetone	43	3.264	3.252	0.012	96	49296	9.03	
26 Carbon disulfide	76	3.406	3.418	-0.012	51	649	2.92	
30 Methylene Chloride	84		3.879					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					9
41 2-Butanone (MEK)	43	5.713	5.702	0.011	26	9316	1.73	
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					9
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130	7.239	7.240	-0.001	65	2052	0.1587	
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					9
72 Toluene	91	8.411	8.411	0.0	70	5876	0.1374	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164	8.884	8.885	-0.001	67	1860	0.1962	
78 2-Hexanone	43		8.979					
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	53	890	0.0617	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	82	2491	0.1414	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		0.1414	

QC Flag Legend

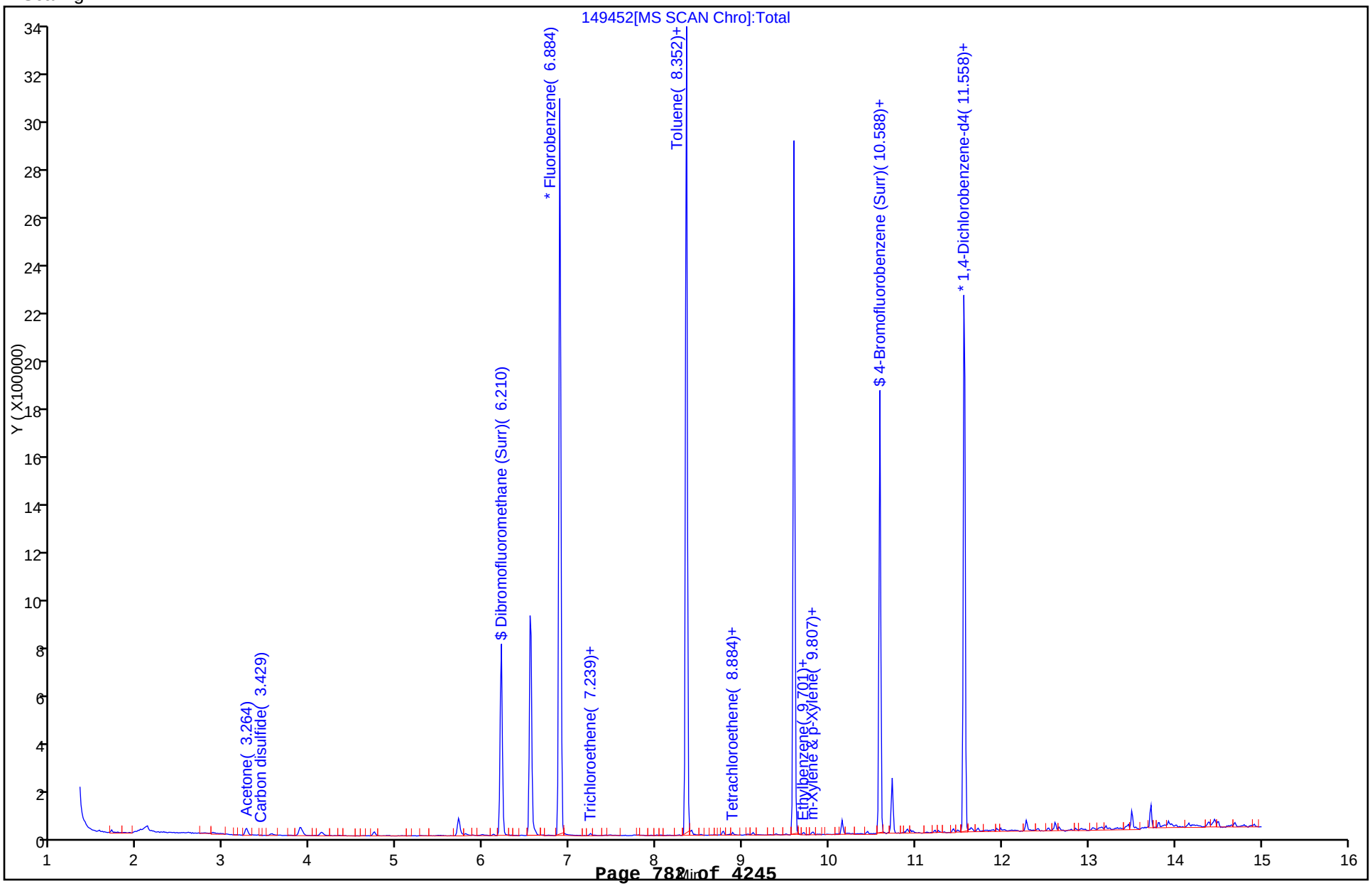
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149452.D		
Injection Date:	26-Nov-2012 18:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0025M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:

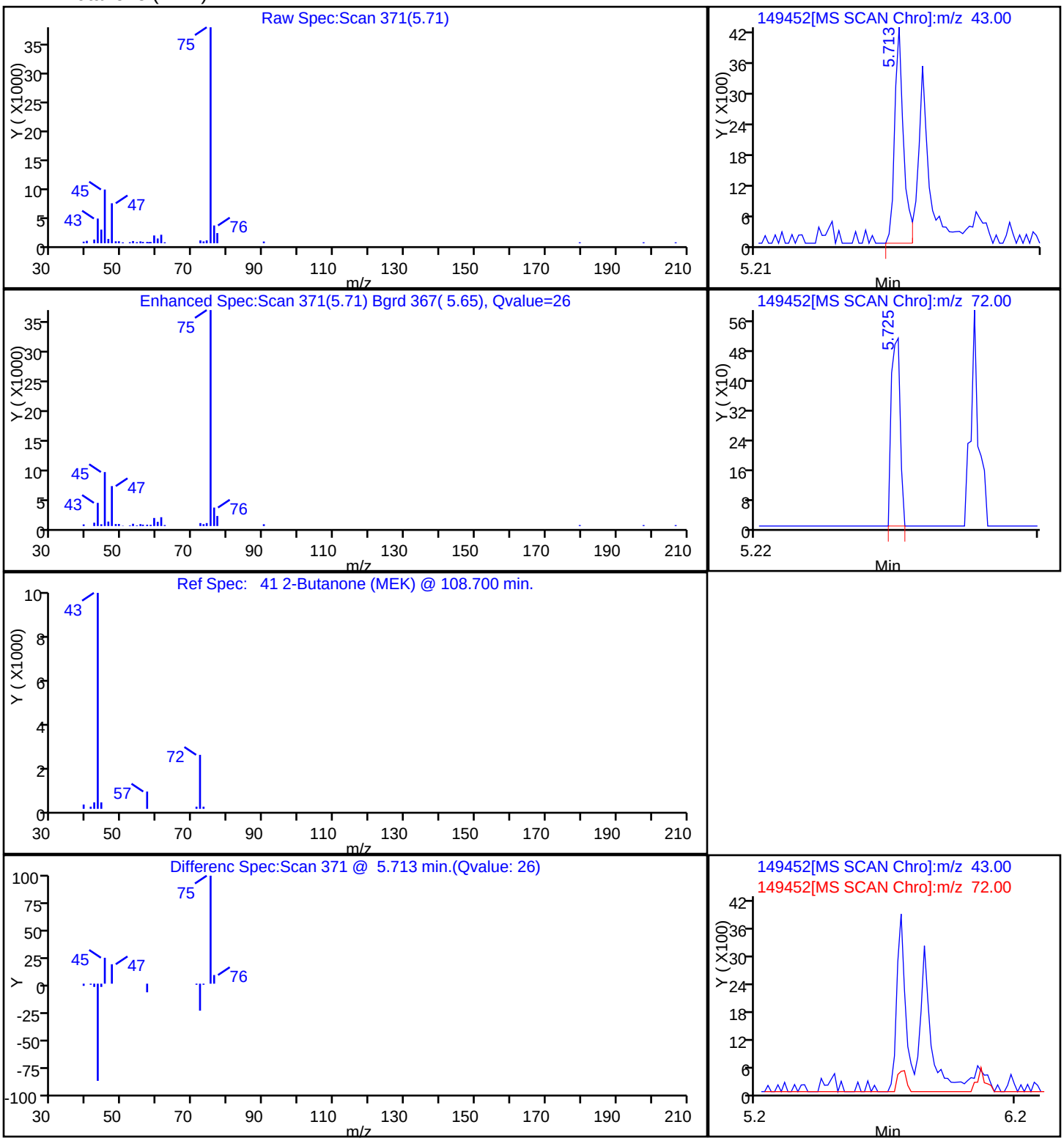


Report Date: 27-Nov-2012 09:28:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149452.D		
Injection Date:	26-Nov-2012 18:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0025M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	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)



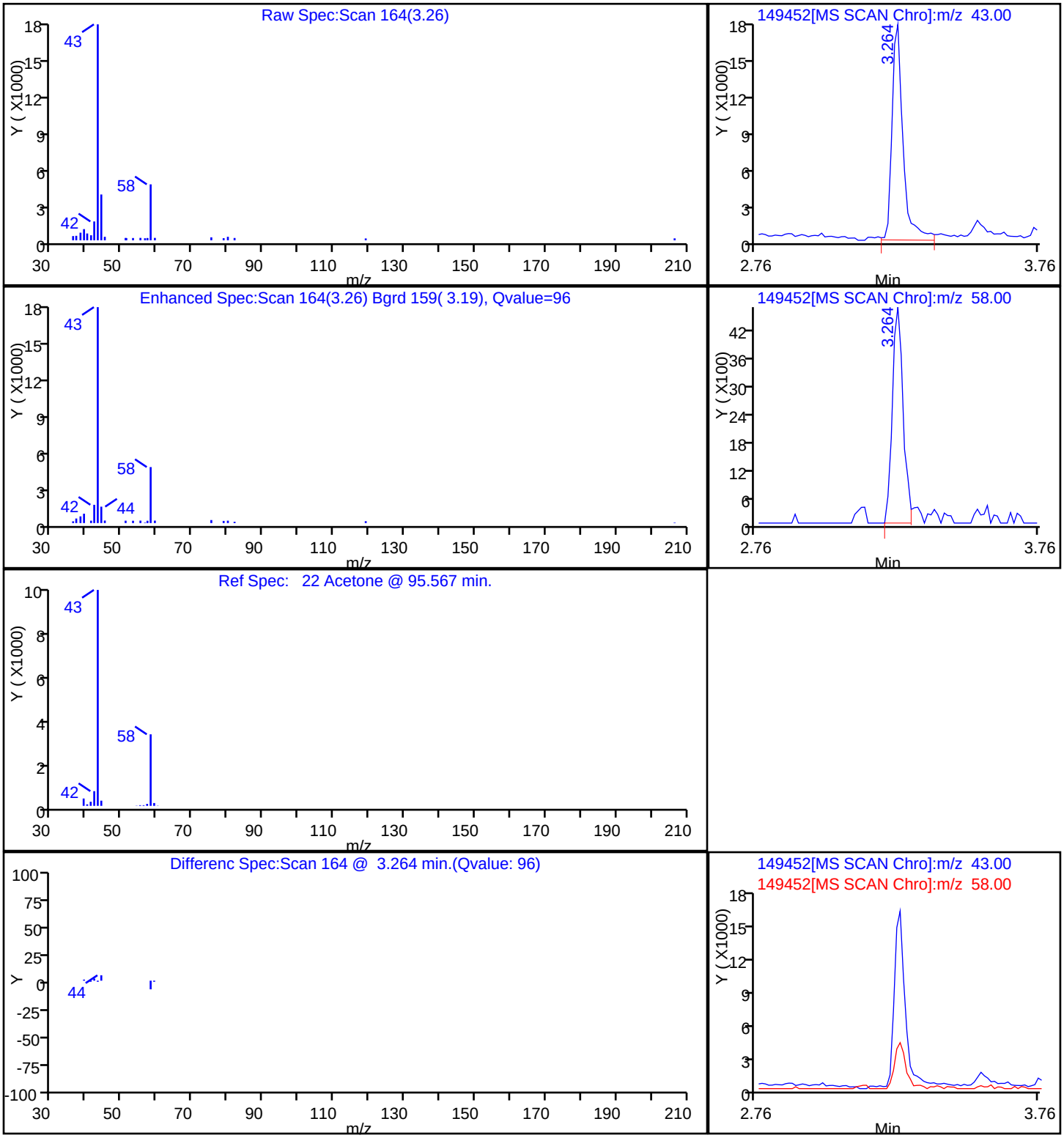
Report Date: 27-Nov-2012 09:28:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149452.D

Injection Date:	26-Nov-2012 18:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0025M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	19
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



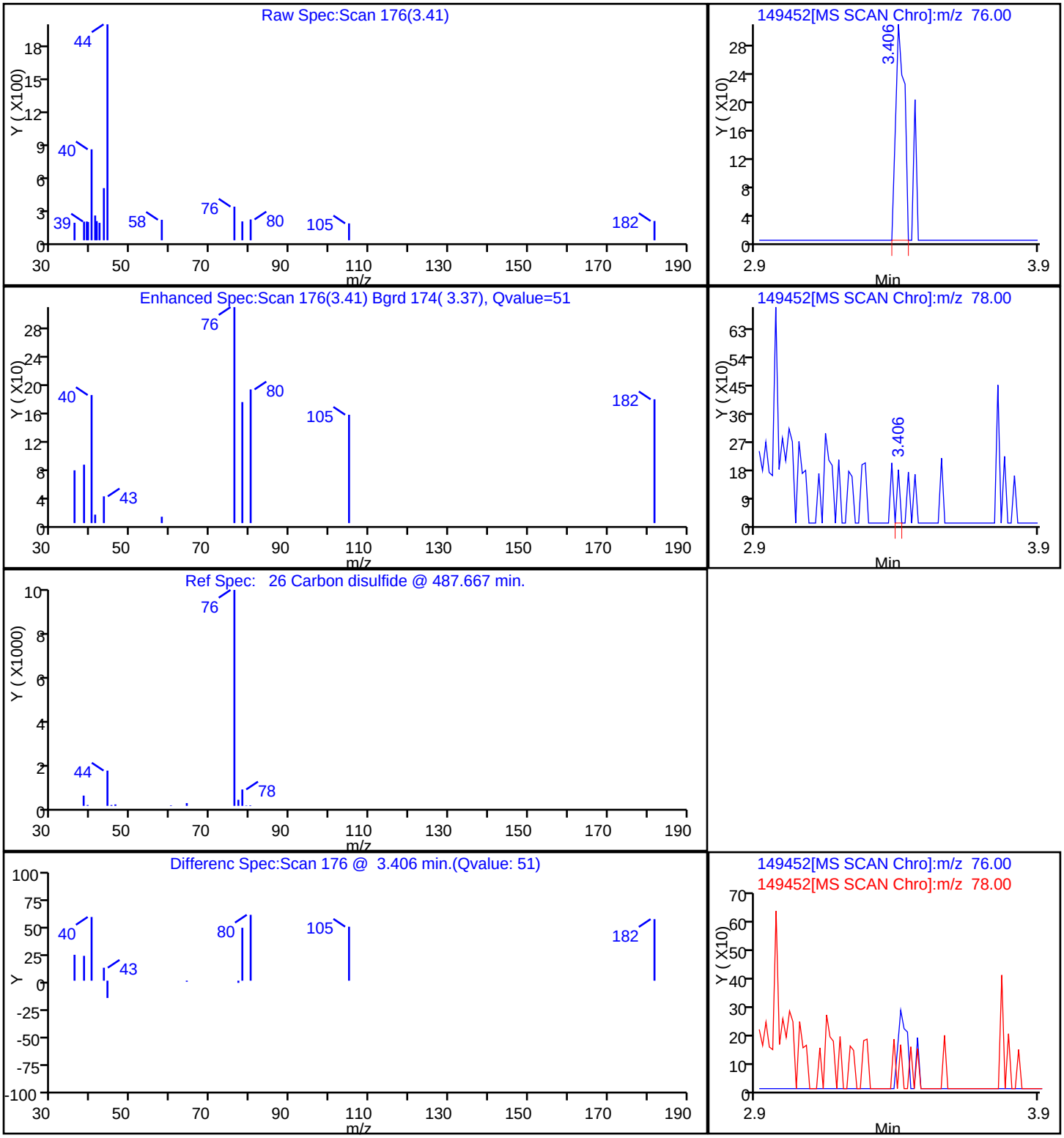
Report Date: 27-Nov-2012 09:28:10 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149452.D

Injection Date:	26-Nov-2012 18:12:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0025M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	19
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0026M-0001-SO | Lab Sample ID: 240-17796-5

Matrix: Solid | Lab File ID: 149453.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 09:20

Sample wt/vol: 6.633(g) | Date Analyzed: 11/26/2012 18:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.0 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.87	U	4.3	0.87	0.49
79-34-5	1,1,2,2-Tetrachloroethane	0.43	U	4.3	0.43	0.29
79-00-5	1,1,2-Trichloroethane	0.43	U	4.3	0.43	0.34
75-34-3	1,1-Dichloroethane	0.43	U	4.3	0.43	0.31
75-35-4	1,1-Dichloroethene	0.87	U	4.3	0.87	0.45
106-93-4	1,2-Dibromoethane	0.87	U	4.3	0.87	0.43
107-06-2	1,2-Dichloroethane	0.43	U	4.3	0.43	0.29
540-59-0	1,2-Dichloroethene, Total	0.87	U	8.7	0.87	0.67
78-87-5	1,2-Dichloropropane	0.87	U	4.3	0.87	0.60
78-93-3	2-Butanone (MEK)	1.7	U	17	1.7	1.2
591-78-6	2-Hexanone	0.87	U	17	0.87	0.55
108-10-1	4-Methyl-2-pentanone (MIBK)	0.87	U	17	0.87	0.47
67-64-1	Acetone	5.9	J B	17	5.5	5.5
71-43-2	Benzene	0.43	U	4.3	0.43	0.20
74-97-5	Bromochloromethane	0.87	U	4.3	0.87	0.62
75-27-4	Bromodichloromethane	0.43	U	4.3	0.43	0.24
75-25-2	Bromoform	0.43	U	4.3	0.43	0.29
74-83-9	Bromomethane	0.87	U	4.3	0.87	0.47
75-15-0	Carbon disulfide	0.43	U	4.3	0.43	0.38
56-23-5	Carbon tetrachloride	0.43	U	4.3	0.43	0.32
108-90-7	Chlorobenzene	0.43	U	4.3	0.43	0.29
75-00-3	Chloroethane	0.87	U	4.3	0.87	0.75
67-66-3	Chloroform	0.43	U	4.3	0.43	0.25
74-87-3	Chloromethane	0.43	U	4.3	0.43	0.36
10061-01-5	cis-1,3-Dichloropropene	0.43	U	4.3	0.43	0.29
124-48-1	Dibromochloromethane	0.87	U	4.3	0.87	0.48
100-41-4	Ethylbenzene	0.43	U	4.3	0.43	0.23
1634-04-4	Methyl tert-butyl ether	0.43	U	4.3	0.43	0.37
75-09-2	Methylene Chloride	0.87	U	4.3	0.87	0.58
100-42-5	Styrene	0.43	U	4.3	0.43	0.13
127-18-4	Tetrachloroethene	0.87	U	4.3	0.87	0.45
108-88-3	Toluene	0.43	U	4.3	0.43	0.23
10061-02-6	trans-1,3-Dichloropropene	0.87	U	4.3	0.87	0.47
79-01-6	Trichloroethene	0.43	U	4.3	0.43	0.36
75-01-4	Vinyl chloride	0.43	U	4.3	0.43	0.34
1330-20-7	Xylenes, Total	1.3	U	8.7	1.3	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0026M-0001-SO Lab Sample ID: 240-17796-5

Matrix: Solid Lab File ID: 149453.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 09:20

Sample wt/vol: 6.633(g) Date Analyzed: 11/26/2012 18:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 13.0 Level: (low/med) Low

Analysis Batch No.: 66239 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)	87		85-120
1868-53-7	Dibromofluoromethane (Surr)	81		59-138
2037-26-5	Toluene-d8 (Surr)	92		85-115

Report Date: 27-Nov-2012 09:28:11 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149453.D
Lims ID: 240-17796-B-5-A Client ID: 076SB-0026M-0001-SO
Inject. Date: 26-Nov-2012 18:34:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-5-a
Misc. Info.: 240-0015258-020 =240-0015258-020
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 66239 Lims Sample ID: 20
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:06:33

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	2293996	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.595	0.0	92	1337070	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.559	0.012	99	649387	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	61	460731	40.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	658602	46.7	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1920586	46.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	565792	43.7	
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		3.146					
22 Acetone	43	3.264	3.252	0.012	98	44023	6.80	
26 Carbon disulfide	76		3.418					
30 Methylene Chloride	84	3.891	3.879	0.012	87	48051	0.5401	
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43		5.702					
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	69	2322	0.1723	
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					9
72 Toluene	91	8.411	8.411	0.0	88	9420	0.2039	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.885					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	43	708	0.0454	7
10 m-Xylene & p-Xylene	106	9.808	9.808	0.0	86	2697	0.1416	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					
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		0.1416	

QC Flag Legend

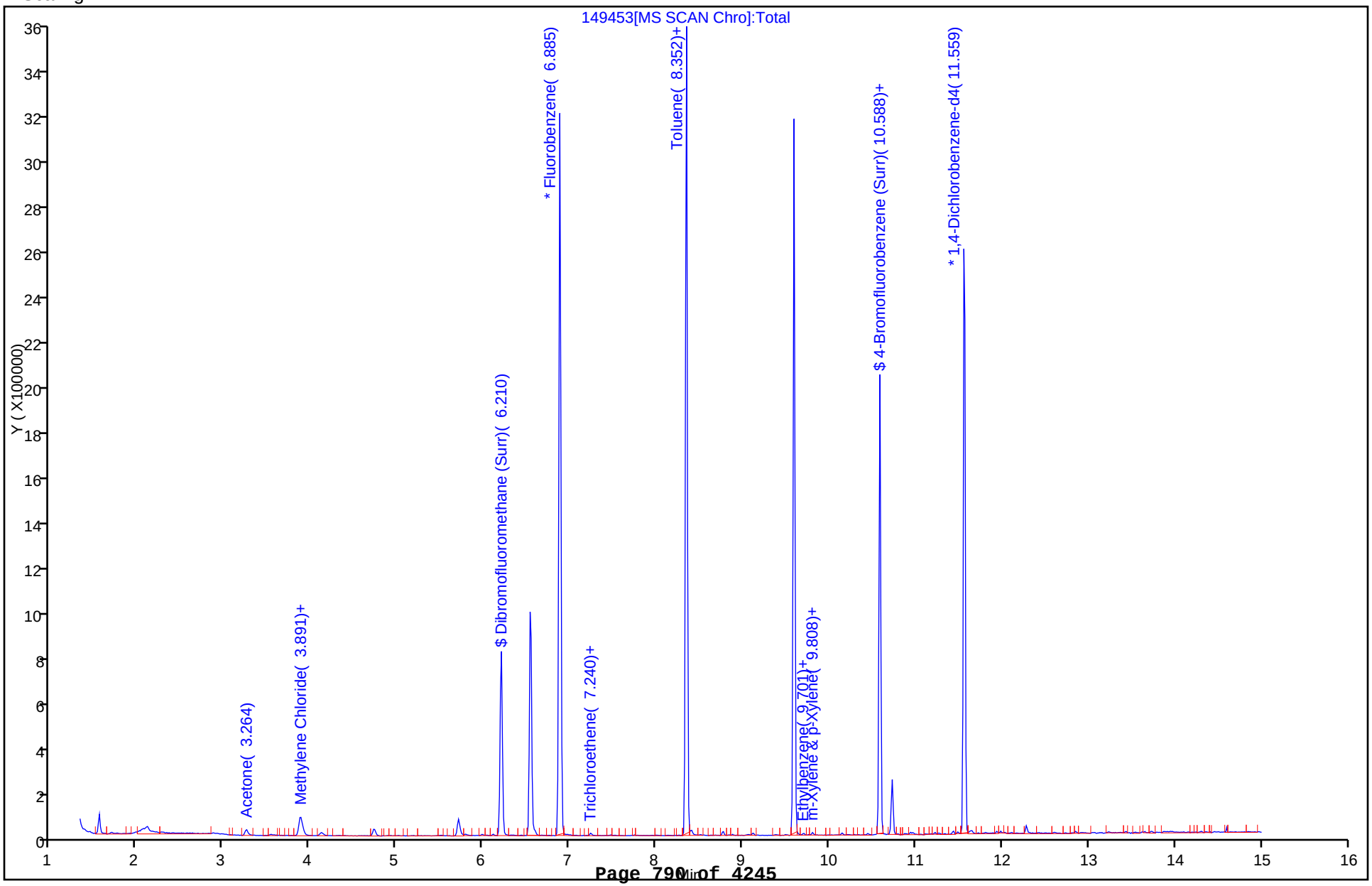
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:11 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149453.D		
Injection Date:	26-Nov-2012 18:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	20
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



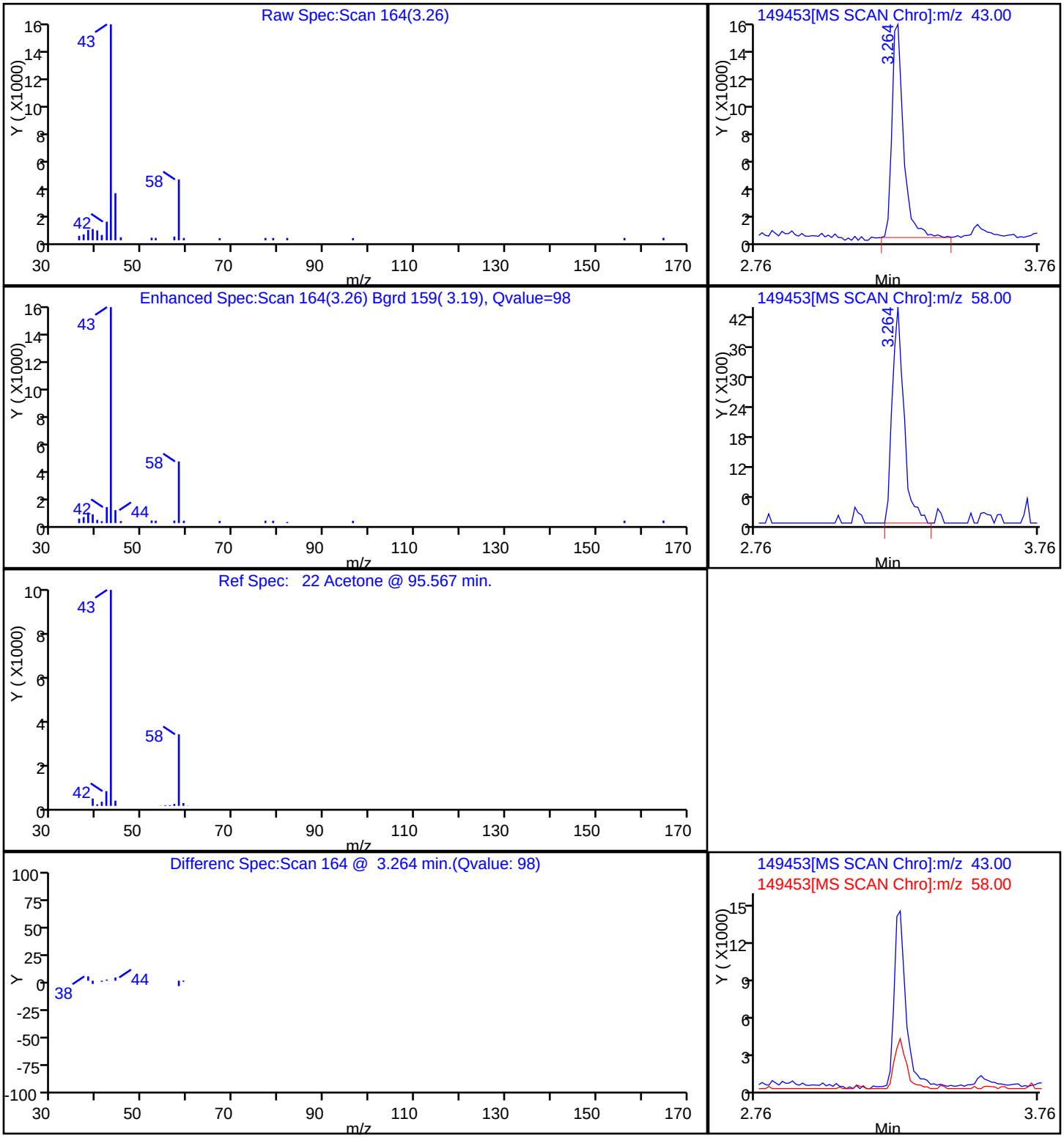
Report Date: 27-Nov-2012 09:28:11 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149453.D

Injection Date:	26-Nov-2012 18:34:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	20
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0027M-0001-SO | Lab Sample ID: 240-17796-6

Matrix: Solid | Lab File ID: 149454.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 09:40

Sample wt/vol: 6.294(g) | Date Analyzed: 11/26/2012 18:55

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.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.0	U	5.1	1.0	0.58
79-34-5	1,1,2,2-Tetrachloroethane	0.51	U	5.1	0.51	0.35
79-00-5	1,1,2-Trichloroethane	0.51	U	5.1	0.51	0.40
75-34-3	1,1-Dichloroethane	0.51	U	5.1	0.51	0.37
75-35-4	1,1-Dichloroethene	1.0	U	5.1	1.0	0.54
106-93-4	1,2-Dibromoethane	1.0	U	5.1	1.0	0.51
107-06-2	1,2-Dichloroethane	0.51	U	5.1	0.51	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	5.1	1.0	0.71
78-93-3	2-Butanone (MEK)	2.1	U	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	6.5	U	21	6.5	6.5
71-43-2	Benzene	0.51	U	5.1	0.51	0.24
74-97-5	Bromochloromethane	1.0	U	5.1	1.0	0.73
75-27-4	Bromodichloromethane	0.51	U	5.1	0.51	0.29
75-25-2	Bromoform	0.51	U	5.1	0.51	0.34
74-83-9	Bromomethane	1.0	U	5.1	1.0	0.56
75-15-0	Carbon disulfide	0.51	U	5.1	0.51	0.45
56-23-5	Carbon tetrachloride	0.51	U	5.1	0.51	0.38
108-90-7	Chlorobenzene	0.51	U	5.1	0.51	0.34
75-00-3	Chloroethane	1.0	U	5.1	1.0	0.89
67-66-3	Chloroform	0.51	U	5.1	0.51	0.30
74-87-3	Chloromethane	0.51	U	5.1	0.51	0.42
10061-01-5	cis-1,3-Dichloropropene	0.51	U	5.1	0.51	0.35
124-48-1	Dibromochloromethane	1.0	U	5.1	1.0	0.57
100-41-4	Ethylbenzene	0.51	U	5.1	0.51	0.27
1634-04-4	Methyl tert-butyl ether	0.51	U	5.1	0.51	0.44
75-09-2	Methylene Chloride	0.69	J	5.1	1.0	0.69
100-42-5	Styrene	0.51	U	5.1	0.51	0.15
127-18-4	Tetrachloroethene	1.0	U	5.1	1.0	0.54
108-88-3	Toluene	0.51	U	5.1	0.51	0.28
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.1	1.0	0.56
79-01-6	Trichloroethene	0.51	U	5.1	0.51	0.43
75-01-4	Vinyl chloride	0.51	U	5.1	0.51	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0027M-0001-SO Lab Sample ID: 240-17796-6

Matrix: Solid Lab File ID: 149454.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 09:40

Sample wt/vol: 6.294(g) Date Analyzed: 11/26/2012 18:55

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.: 66239 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		61-130
460-00-4	4-Bromofluorobenzene (Surr)	99		85-120
1868-53-7	Dibromofluoromethane (Surr)	82		59-138
2037-26-5	Toluene-d8 (Surr)	100		85-115

Report Date: 27-Nov-2012 09:28:11 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149454.D
Lims ID: 240-17796-B-6-A Client ID: 076SB-0027M-0001-SO
Inject. Date: 26-Nov-2012 18:55:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-6-a
Misc. Info.: 240-0015258-021 =240-0015258-021
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 66239 Lims Sample ID: 21
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:06:46

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	2192783	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	92	1177713	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.559	0.011	99	474411	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	71	447758	41.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	91	622659	46.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1834116	50.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	89	468383	49.7	
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		3.146					
22 Acetone	43	3.252	3.252	0.0	95	38185	5.57	
26 Carbon disulfide	76		3.418					
30 Methylene Chloride	84	3.879	3.879	0.0	86	47256	0.6659	
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43		5.702					
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	76	3327	0.2582	
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					9
72 Toluene	91	8.411	8.411	0.0	82	9320	0.2290	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					
77 Tetrachloroethene	164	8.896	8.885	0.011	58	1269	0.1406	
78 2-Hexanone	43		8.979					
79 Chlorodibromomethane	129		9.109					
123 Ethylene Dibromide	107		9.204					
82 Chlorobenzene	112		9.618					
84 Ethylbenzene	106	9.713	9.713	0.0	39	995	0.0724	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	90	2882	0.1718	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					
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		0.1718	

QC Flag Legend

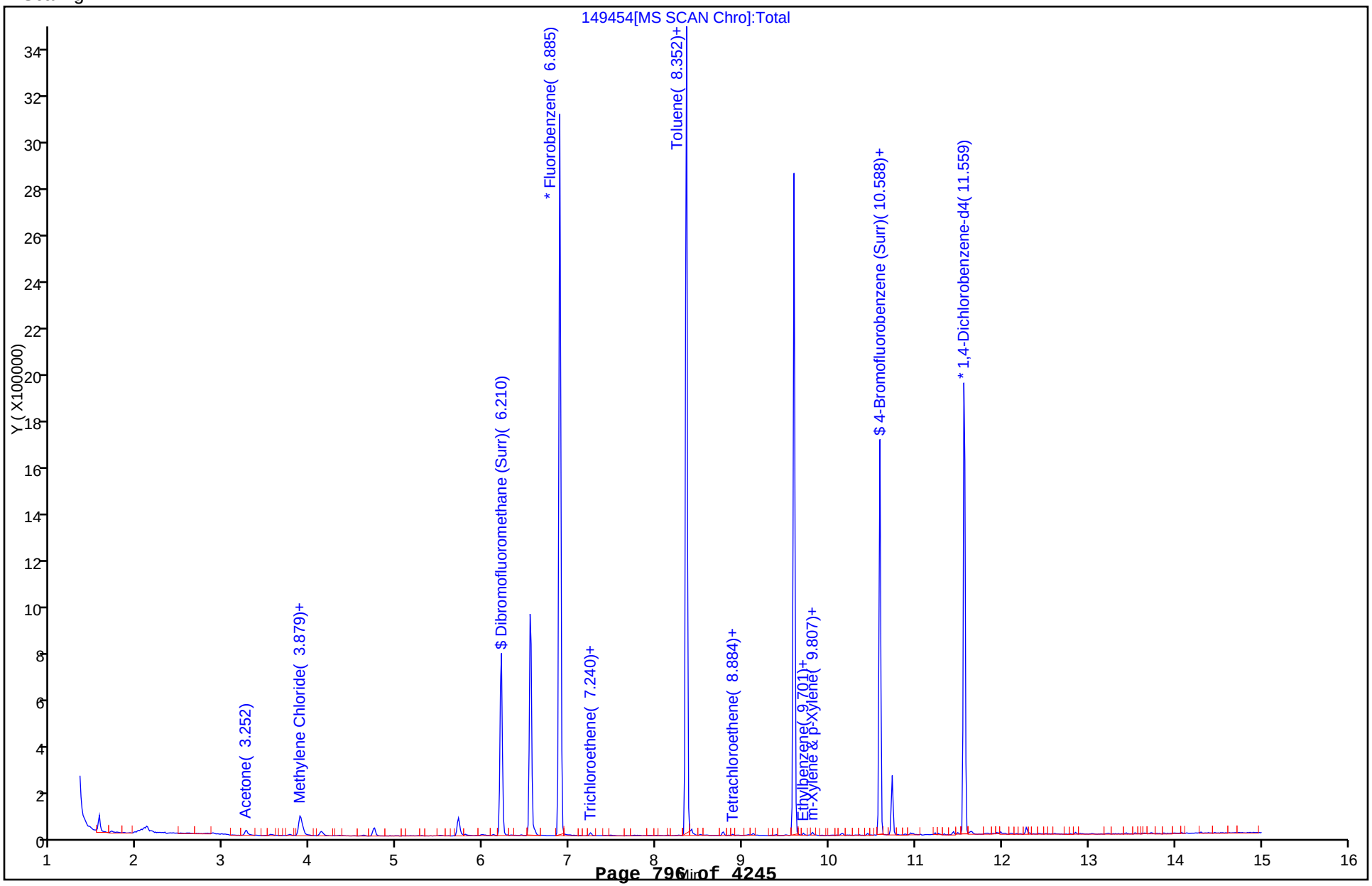
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149454.D		
Injection Date:	26-Nov-2012 18:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	21
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



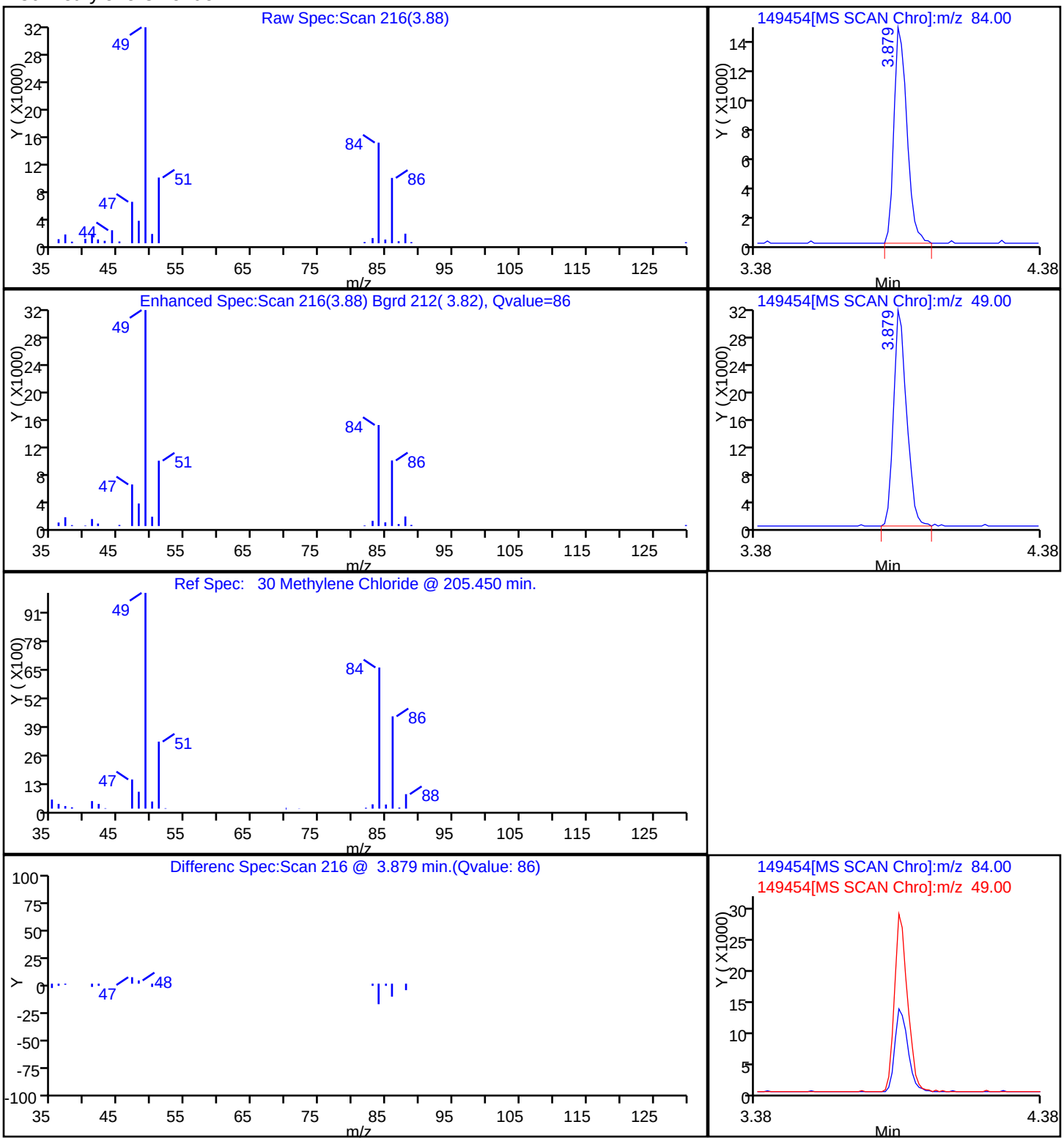
Report Date: 27-Nov-2012 09:28:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149454.D

Injection Date:	26-Nov-2012 18:55:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	21
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0028M-0001-SO | Lab Sample ID: 240-17796-7

Matrix: Solid | Lab File ID: 149455.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 10:00

Sample wt/vol: 6.097(g) | Date Analyzed: 11/26/2012 19:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.5 | Level: (low/med) Low

Analysis Batch No.: 66239 | 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	0.50
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	0.52
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	0.52
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	0.83
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	0.50
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	0.52
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0028M-0001-SO Lab Sample ID: 240-17796-7

Matrix: Solid Lab File ID: 149455.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 10:00

Sample wt/vol: 6.097(g) Date Analyzed: 11/26/2012 19:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 15.5 Level: (low/med) Low

Analysis Batch No.: 66239 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)	87		85-120
1868-53-7	Dibromofluoromethane (Surr)	82		59-138
2037-26-5	Toluene-d8 (Surr)	92		85-115

Report Date: 27-Nov-2012 09:28:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149455.D
Lims ID: 240-17796-B-7-A Client ID: 076SB-0028M-0001-SO
Inject. Date: 26-Nov-2012 19:17:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-7-a
Misc. Info.: 240-0015258-022 =240-0015258-022
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 22
Lims Batch ID: 66239 Lims Sample ID: 22
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:07:04

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	2200347	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	91	1273591	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.559	0.0	97	633221	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	76	446773	40.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	92	654860	48.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1830083	46.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	88	549935	43.6	
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		3.146					9
22 Acetone	43	3.264	3.252	0.012	93	37830	5.41	
26 Carbon disulfide	76	3.429	3.418	0.011	93	3060	3.00	
30 Methylene Chloride	84		3.879					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43		5.702					
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					
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130		7.240					9
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	8.257	0.0	58	1555	0.1636	
72 Toluene	91	8.411	8.411	0.0	85	7768	0.1765	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					
77 Tetrachloroethene	164	8.896	8.885	0.011	68	1088	0.1115	
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	9.701	9.713	-0.012	3	780	0.0525	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	73	2440	0.1345	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		0.1345	

QC Flag Legend

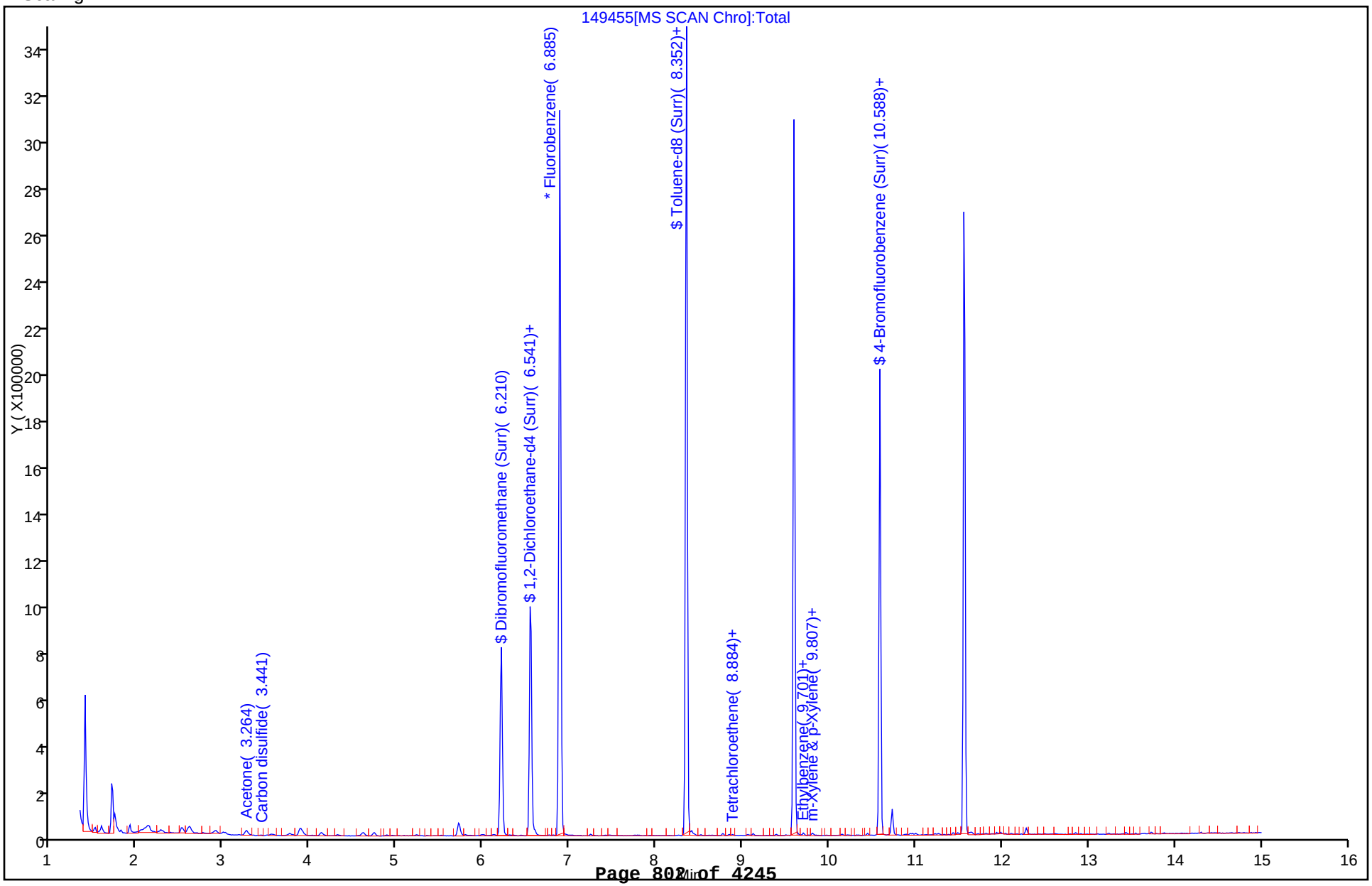
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149455.D		
Injection Date:	26-Nov-2012 19:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0028M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	22
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:

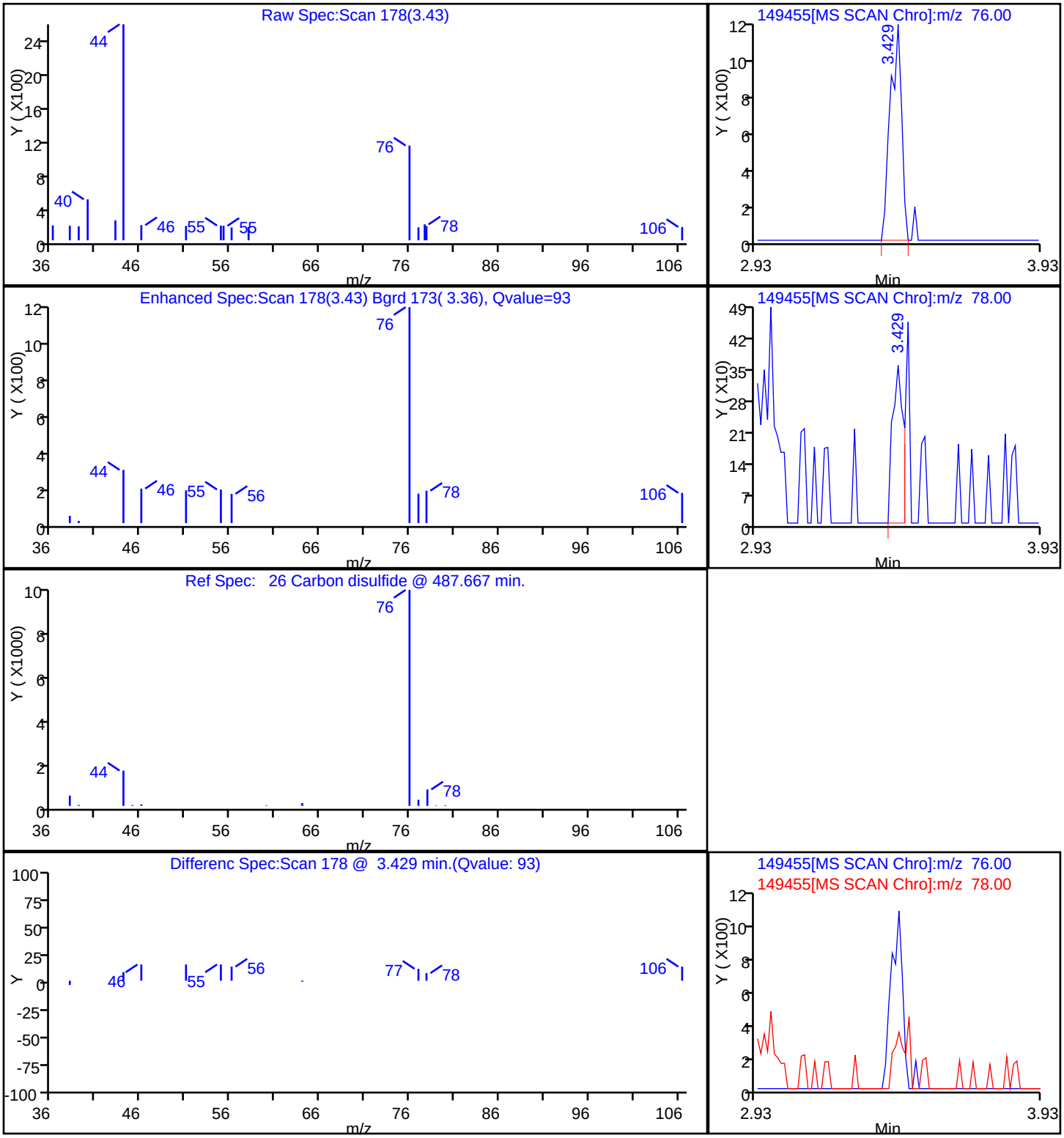


Report Date: 27-Nov-2012 09:28:12 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149455.D		
Injection Date:	26-Nov-2012 19:17:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0028M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	22
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0029M-0001-SO | Lab Sample ID: 240-17796-8

Matrix: Solid | Lab File ID: 149456.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 12:25

Sample wt/vol: 5.291(g) | Date Analyzed: 11/26/2012 19:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.8 | Level: (low/med) Low

Analysis Batch No.: 66239 | 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	0.67
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	0.43
75-35-4	1,1-Dichloroethene	1.2	U	6.0	1.2	0.62
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	0.92
78-87-5	1,2-Dichloropropane	1.2	U	6.0	1.2	0.82
78-93-3	2-Butanone (MEK)	9.6	J	24	2.4	1.7
591-78-6	2-Hexanone	1.2	U	24	1.2	0.75
108-10-1	4-Methyl-2-pentanone (MIBK)	1.2	U	24	1.2	0.64
67-64-1	Acetone	51	B	24	7.5	7.5
71-43-2	Benzene	0.60	U	6.0	0.60	0.27
74-97-5	Bromochloromethane	1.2	U	6.0	1.2	0.85
75-27-4	Bromodichloromethane	0.60	U	6.0	0.60	0.33
75-25-2	Bromoform	0.60	U	6.0	0.60	0.39
74-83-9	Bromomethane	1.2	U	6.0	1.2	0.64
75-15-0	Carbon disulfide	3.5	J	6.0	0.60	0.53
56-23-5	Carbon tetrachloride	0.60	U	6.0	0.60	0.44
108-90-7	Chlorobenzene	0.60	U	6.0	0.60	0.39
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	0.49
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	0.51
75-09-2	Methylene Chloride	1.3	J	6.0	1.2	0.80
100-42-5	Styrene	0.60	U	6.0	0.60	0.18
127-18-4	Tetrachloroethene	1.2	U	6.0	1.2	0.62
108-88-3	Toluene	0.33	J	6.0	0.60	0.32
10061-02-6	trans-1,3-Dichloropropene	1.2	U	6.0	1.2	0.64
79-01-6	Trichloroethene	0.60	U	6.0	0.60	0.50
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	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0029M-0001-SO Lab Sample ID: 240-17796-8

Matrix: Solid Lab File ID: 149456.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 12:25

Sample wt/vol: 5.291(g) Date Analyzed: 11/26/2012 19:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.8 Level: (low/med) Low

Analysis Batch No.: 66239 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		61-130
460-00-4	4-Bromofluorobenzene (Surr)	94		85-120
1868-53-7	Dibromofluoromethane (Surr)	79		59-138
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149456.D
Lims ID: 240-17796-B-8-A Client ID: 076SB-0029M-0001-SO
Inject. Date: 26-Nov-2012 19:38:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-8-a
Misc. Info.: 240-0015258-023 =240-0015258-023
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 66239 Lims Sample ID: 23
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:07:18

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	2221033	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	96	1291560	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.559	0.0	99	587474	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	63	433862	39.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	92	614548	44.9	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1853499	46.0	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	89	550484	47.1	
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		3.146					9
22 Acetone	43	3.264	3.252	0.012	98	158241	42.9	
26 Carbon disulfide	76	3.418	3.418	0.0	70	1103	2.93	
30 Methylene Chloride	84	3.891	3.879	0.012	86	52788	1.13	
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					9
41 2-Butanone (MEK)	43	5.701	5.702	-0.001	64	43760	8.05	
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	77	3290	0.2521	
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	69	12524	0.2806	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.885					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	9.808	-0.001	88	4741	0.2578	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		0.2578	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

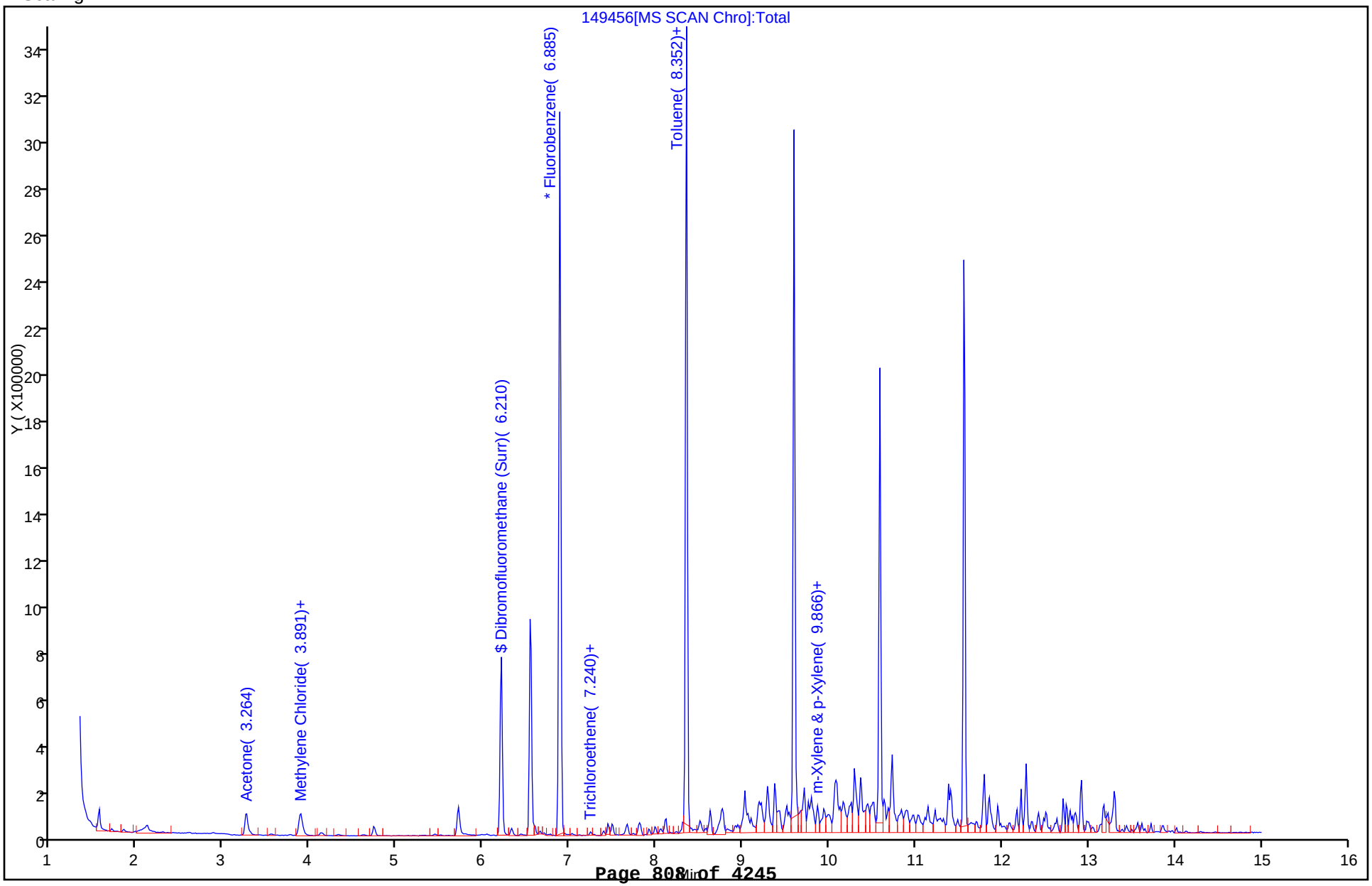
Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149456.D

Injection Date:	26-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



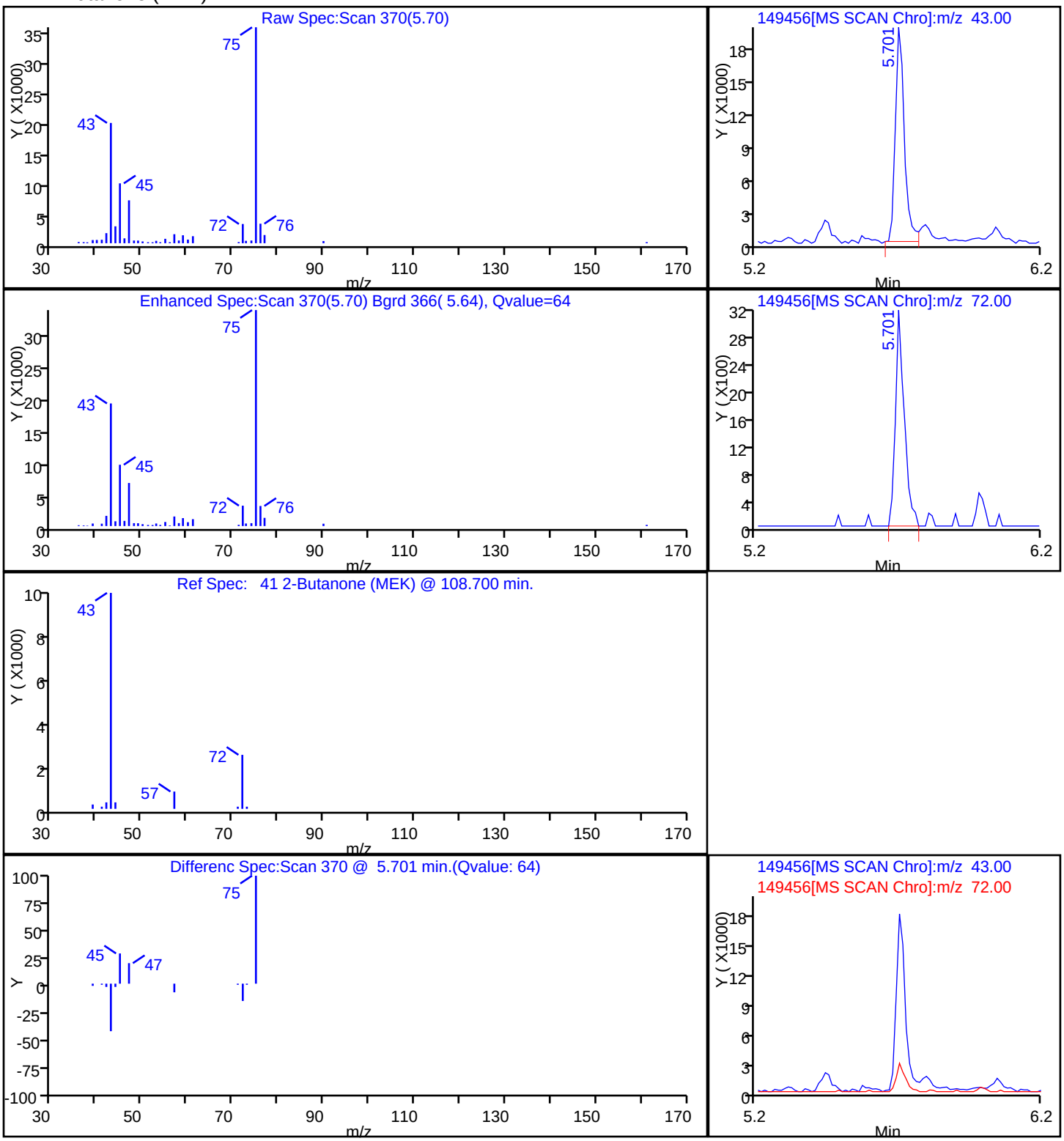
Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149456.D

Injection Date:	26-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)

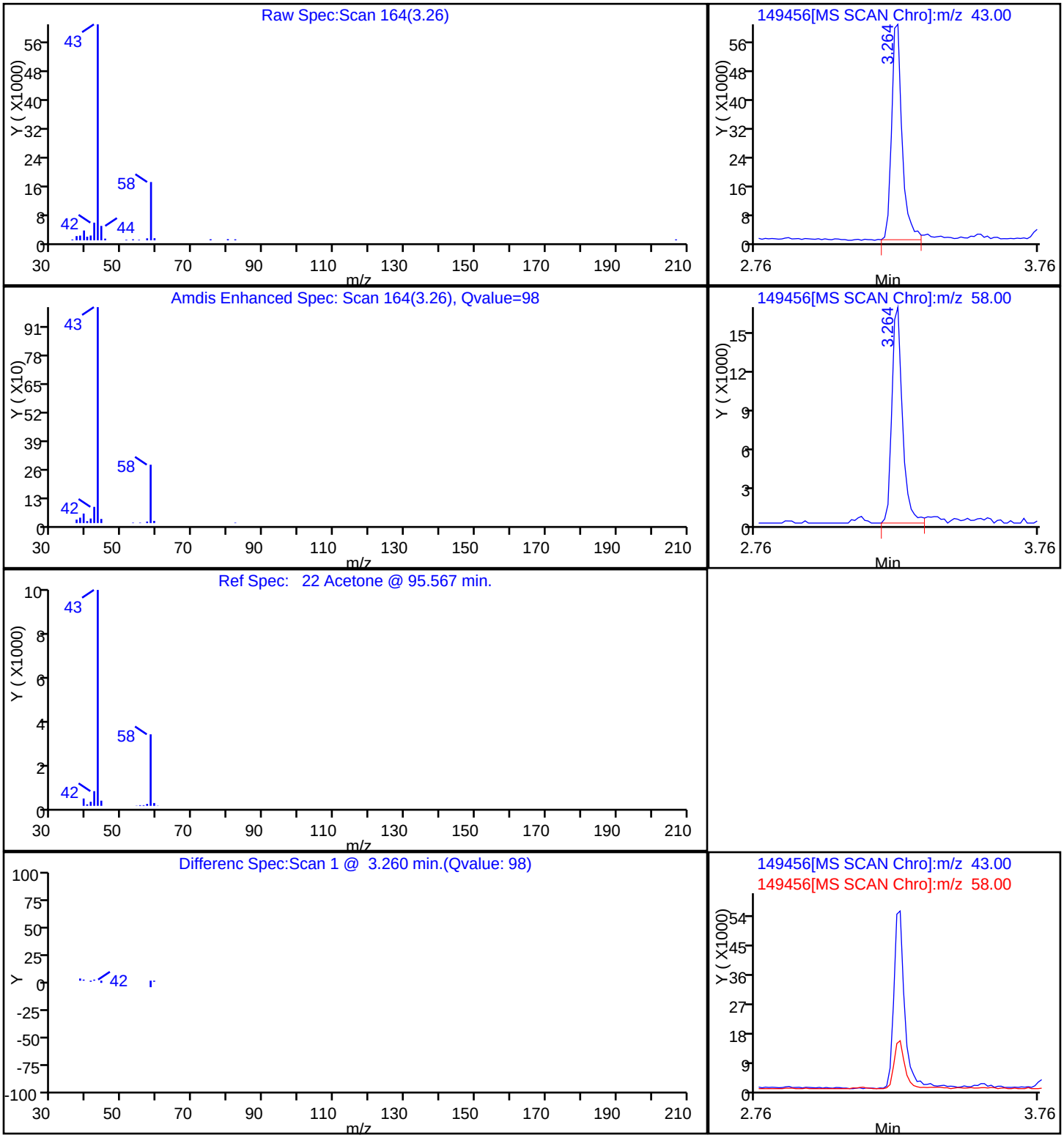


Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149456.D		
Injection Date:	26-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone

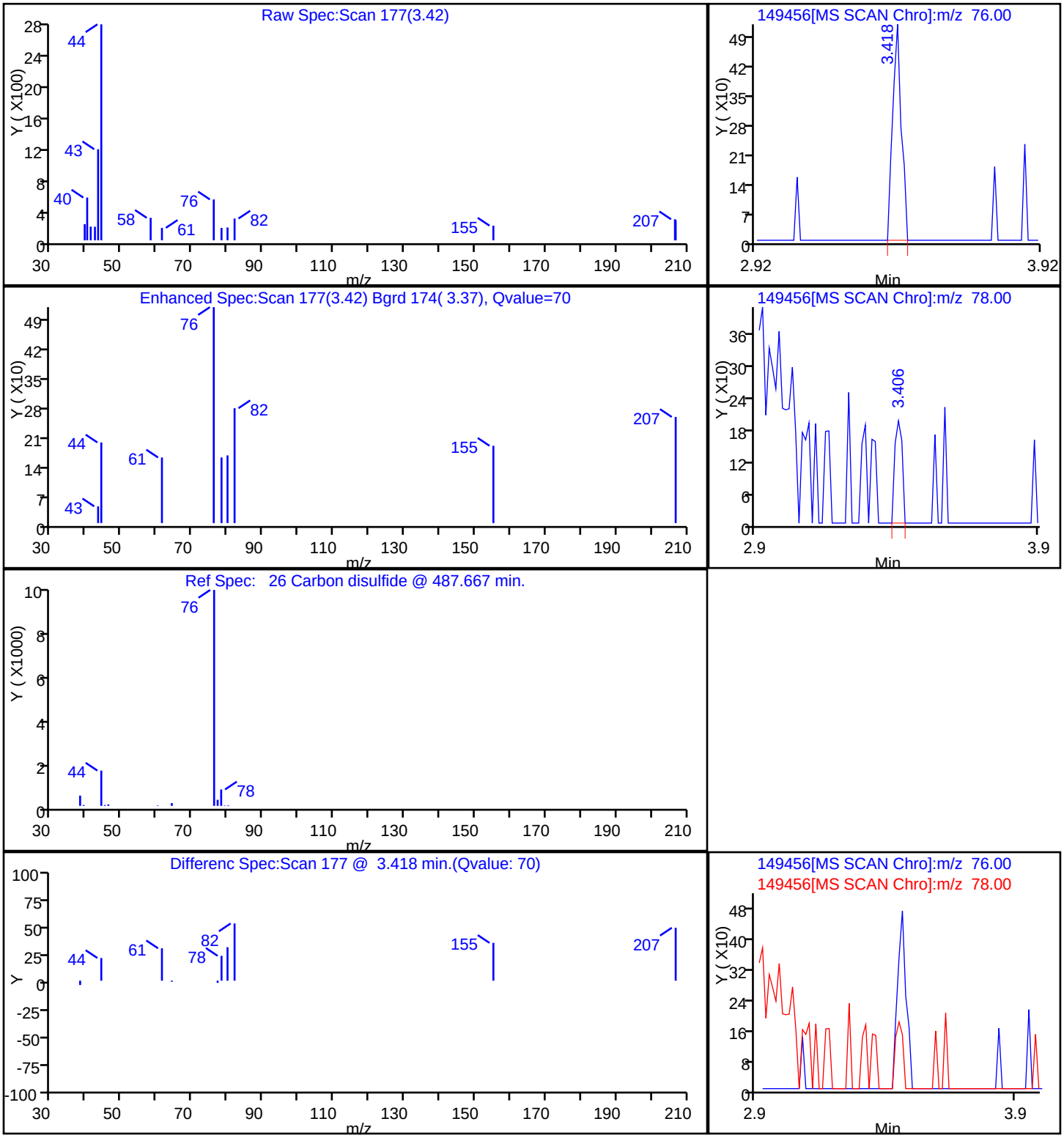


Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149456.D		
Injection Date:	26-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide



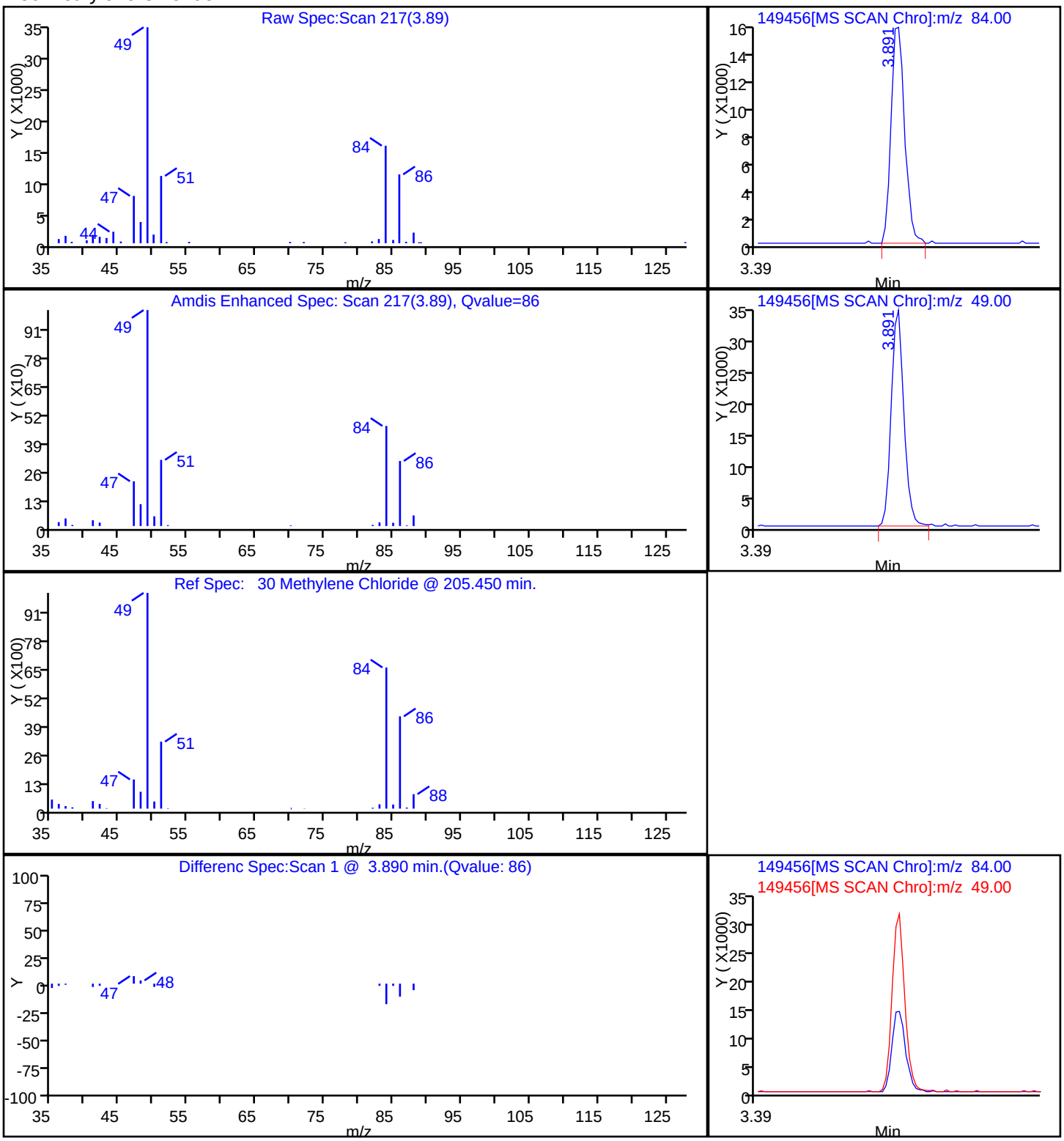
Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149456.D

Injection Date:	26-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	23
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride

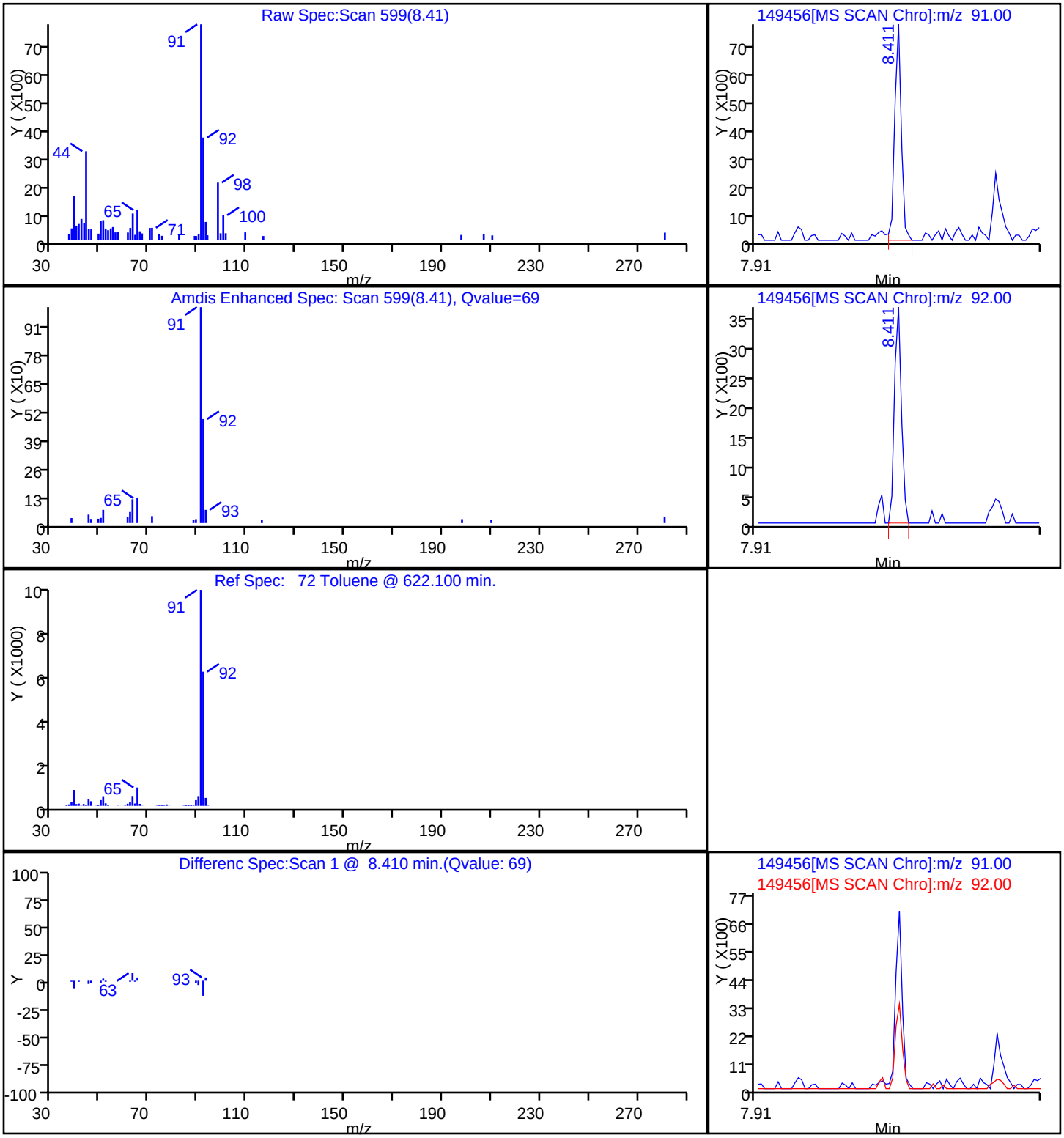


Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149456.D		
Injection Date:	26-Nov-2012 19:38:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	23
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.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER | Lab Sample ID: 240-17796-20

Matrix: Water | Lab File ID: UXX1136.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 13:47

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	0.61	J	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.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER Lab Sample ID: 240-17796-20

Matrix: Water Lab File ID: UXX1136.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 13:47

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)	107		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		70-120
460-00-4	4-Bromofluorobenzene (Surr)	82		75-120
1868-53-7	Dibromofluoromethane (Surr)	108		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1136.D
Lims ID: 240-17796-N-20 Client ID: 076-0067-0001-ER
Inject. Date: 21-Nov-2012 13:47:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015165-010
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 65929 Lims Sample ID: 10
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 14:10:00

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	1843722	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.881	-0.002	84	1123228	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	94	504706	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.626	0.010	59	544856	10.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.922	-0.002	0	671455	11.3	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	94	1891830	10.7	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	88	480684	8.22	
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					9
14 Vinyl chloride	62		1.798					
15 Chlorodifluoromethane TIC	1		1.900					
16 Bromomethane	94		2.094					9
17 Chloroethane	64		2.177					
18 Dichlorofluoromethane	67		2.331					
19 Trichlorofluoromethane	101		2.402					
20 Ethyl ether	59		2.603					
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					
26 Iodomethane	142		2.934					
27 Carbon disulfide	76		3.005					9
28 Acetonitrile	41		3.053					
30 Methyl acetate	43		3.100					9
29 3-Chloro-1-propene	76		3.100					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
31 Methylene Chloride	84	3.193	3.195	-0.002	80	23183	0.3643	
32 2-Methyl-2-propanol	59		3.266					9
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					9
42 2-Butanone (MEK)	43		4.236					
43 cis-1,2-Dichloroethene	96		4.248					
44 2,2-Dichloropropane	77		4.260					9
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	4.494	4.496	-0.002	87	57589	0.6071	
49 Tetrahydrofuran	42		4.496					
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					
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					
63 Methylcyclohexane	83		5.703					
64 1,2-Dichloropropane	63		5.703					
65 Methyl methacrylate	41		5.774					
66 Dibromomethane	93		5.798					
67 1,4-Dioxane	88		5.810					
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					
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		7.135					
79 2-Hexanone	43		7.182					
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					
86 1,1,1,2-Tetrachloroethane	131		7.975					
87 Ethylbenzene	106		8.011					
88 m-Xylene & p-Xylene	106		8.117					9
89 o-Xylene	106		8.496					
90 Styrene	104		8.508					
91 Bromoform	173		8.685					
92 Isopropylbenzene	105		8.851					
93 1,4-Dichlorobutane	55		8.931					9
94 Cyclohexanone	55		8.934					9
95 1,1,2,2-Tetrachloroethane	83		9.111					
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					
100 2-Chlorotoluene	126		9.336					
101 1,3,5-Trimethylbenzene	105		9.419					
102 4-Chlorotoluene	126		9.431					
103 tert-Butylbenzene	119		9.738					
104 1,2,4-Trimethylbenzene	105		9.786					9
105 sec-Butylbenzene	105		9.951					
106 1,3-Dichlorobenzene	146		10.070					
107 4-Isopropyltoluene	119		10.093					9
108 1,4-Dichlorobenzene	146		10.152					
109 1,2,3-Trimethylbenzene	105		10.200					
110 n-Butylbenzene	91		10.496					
111 1,2-Dichlorobenzene	146		10.519					
112 1,2-Dibromo-3-Chloropropane	157		11.288					
113 1,3,5-Trichlorobenzene	180		11.513					
114 1,2,4-Trichlorobenzene	180		12.128					
115 Hexachlorobutadiene	225		12.306					9
116 Naphthalene	128		12.377					9
117 1,2,3-Trichlorobenzene	180		12.625					
118 2-Methylnaphthalene	142		13.679					
S 119 Trihalomethanes, Total	1				0		0.6071	
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

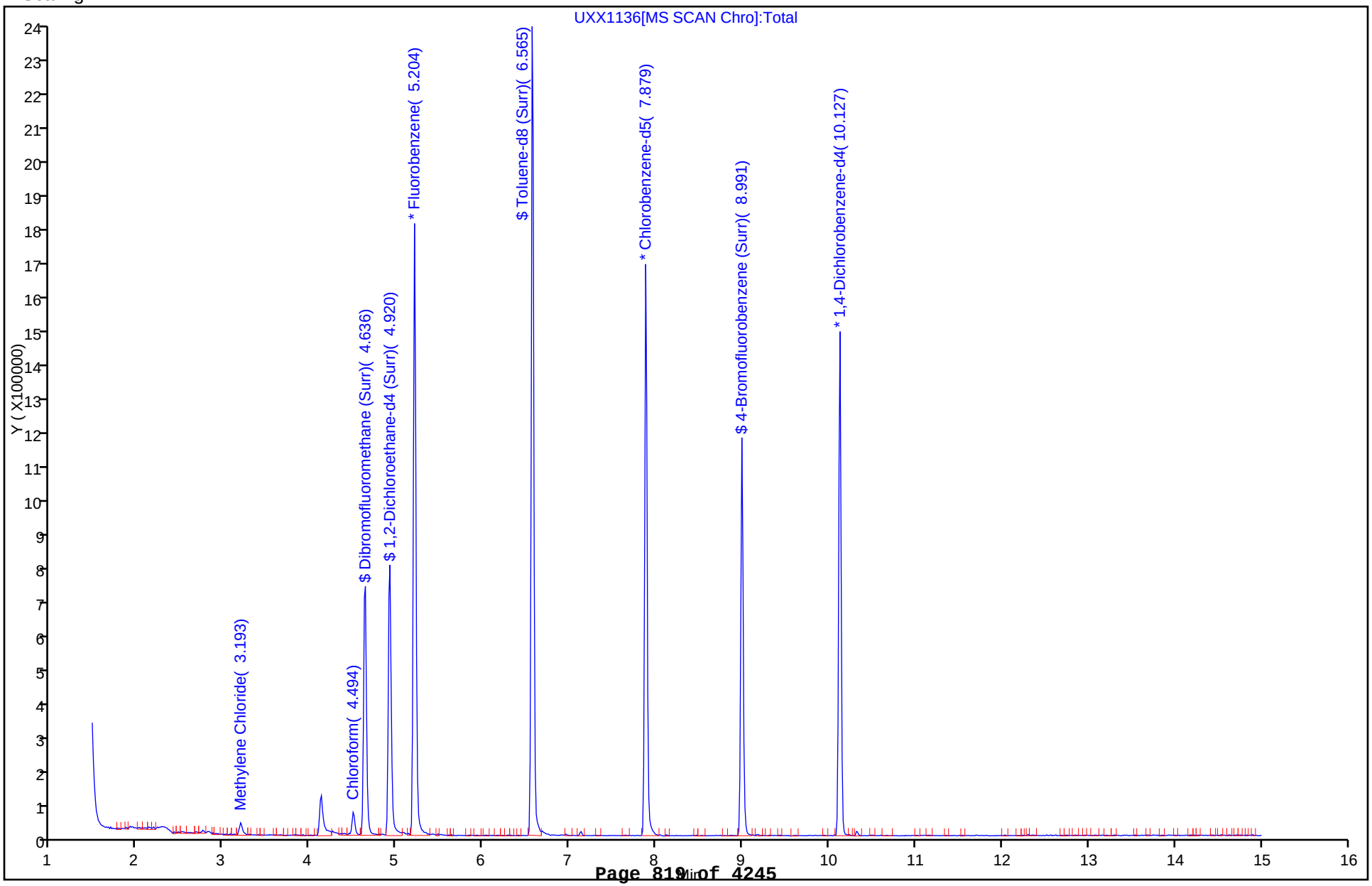
Report Date: 23-Nov-2012 08:56:57 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1136.D

Injection Date:	21-Nov-2012 13:47:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076-0067-0001-ER	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	10
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



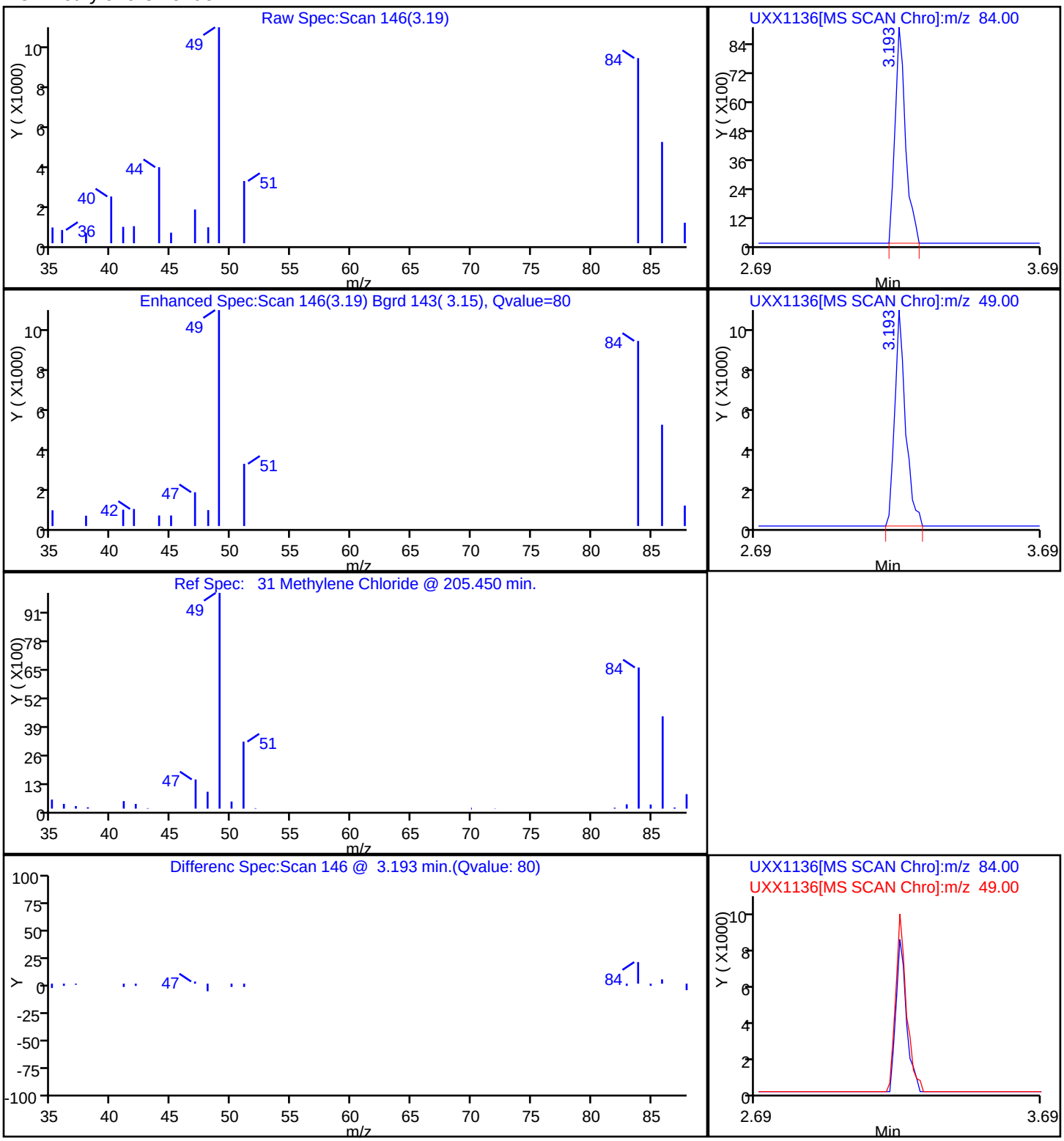
Report Date: 23-Nov-2012 08:56:57 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1136.D

Injection Date:	21-Nov-2012 13:47:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076-0067-0001-ER	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	10
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

31 Methylene Chloride



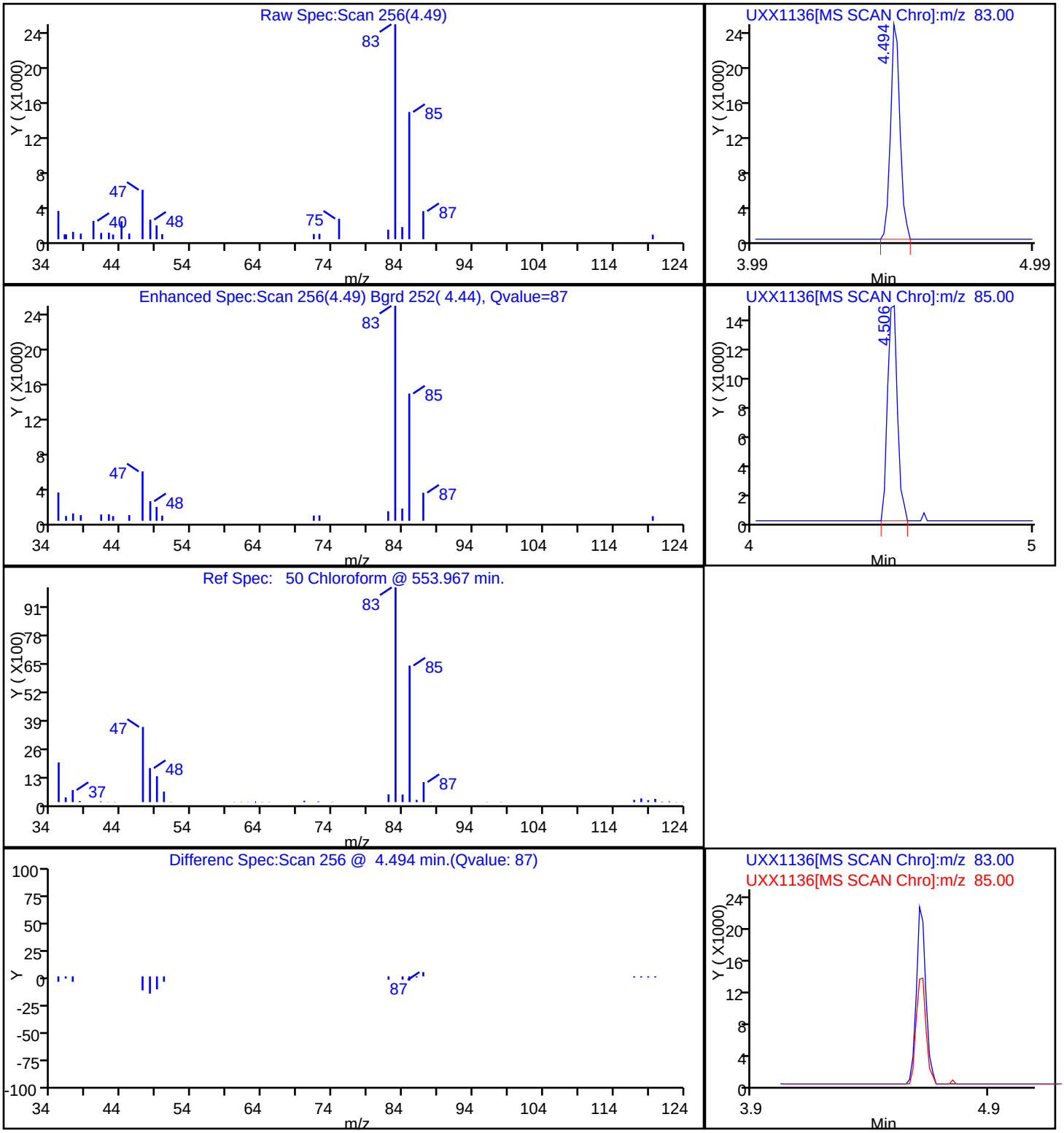
Report Date: 23-Nov-2012 08:56:57 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1136.D

Injection Date:	21-Nov-2012 13:47:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076-0067-0001-ER	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	10
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

50 Chloroform



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0068-0001-TB | Lab Sample ID: 240-17796-21

Matrix: Water | Lab File ID: UXX1138.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 14:31

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	0.84	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.: 240-17796-1

SDG No.:

Client Sample ID: 076-0068-0001-TB Lab Sample ID: 240-17796-21

Matrix: Water Lab File ID: UXX1138.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 14:31

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)	100		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		70-120
460-00-4	4-Bromofluorobenzene (Surr)	77		75-120
1868-53-7	Dibromofluoromethane (Surr)	107		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1138.D
Lims ID: 240-17796-A-21 Client ID: 076-0068-0001-TB
Inject. Date: 21-Nov-2012 14:31:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015165-012
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 65929 Lims Sample ID: 12
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 15:18:04

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	1759111	10.0	
* 2 Chlorobenzene-d5	117	7.880	7.881	-0.001	84	1102793	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.128	10.129	-0.001	94	493498	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.638	4.626	0.012	59	513375	10.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.922	4.922	0.0	0	621648	11.0	
$ 7 Toluene-d8 (Surr)	98	6.566	6.567	-0.001	93	1736243	10.0	
$ 8 4-Bromofluorobenzene (Surr)	95	8.992	8.993	-0.001	91	441222	7.69	
13 Chloromethane	50		1.704					
14 Vinyl chloride	62		1.798					
16 Bromomethane	94		2.094					9
17 Chloroethane	64		2.177					9
23 1,1-Dichloroethene	96		2.804					
24 Acetone	43		2.828					
27 Carbon disulfide	76		3.005					
31 Methylene Chloride	84	3.194	3.195	-0.001	88	50769	0.8363	
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					
43 cis-1,2-Dichloroethene	96		4.248					
48 Chlorobromomethane	128		4.437					
50 Chloroform	83		4.496					
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					
78 Tetrachloroethene	164		7.135					9
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

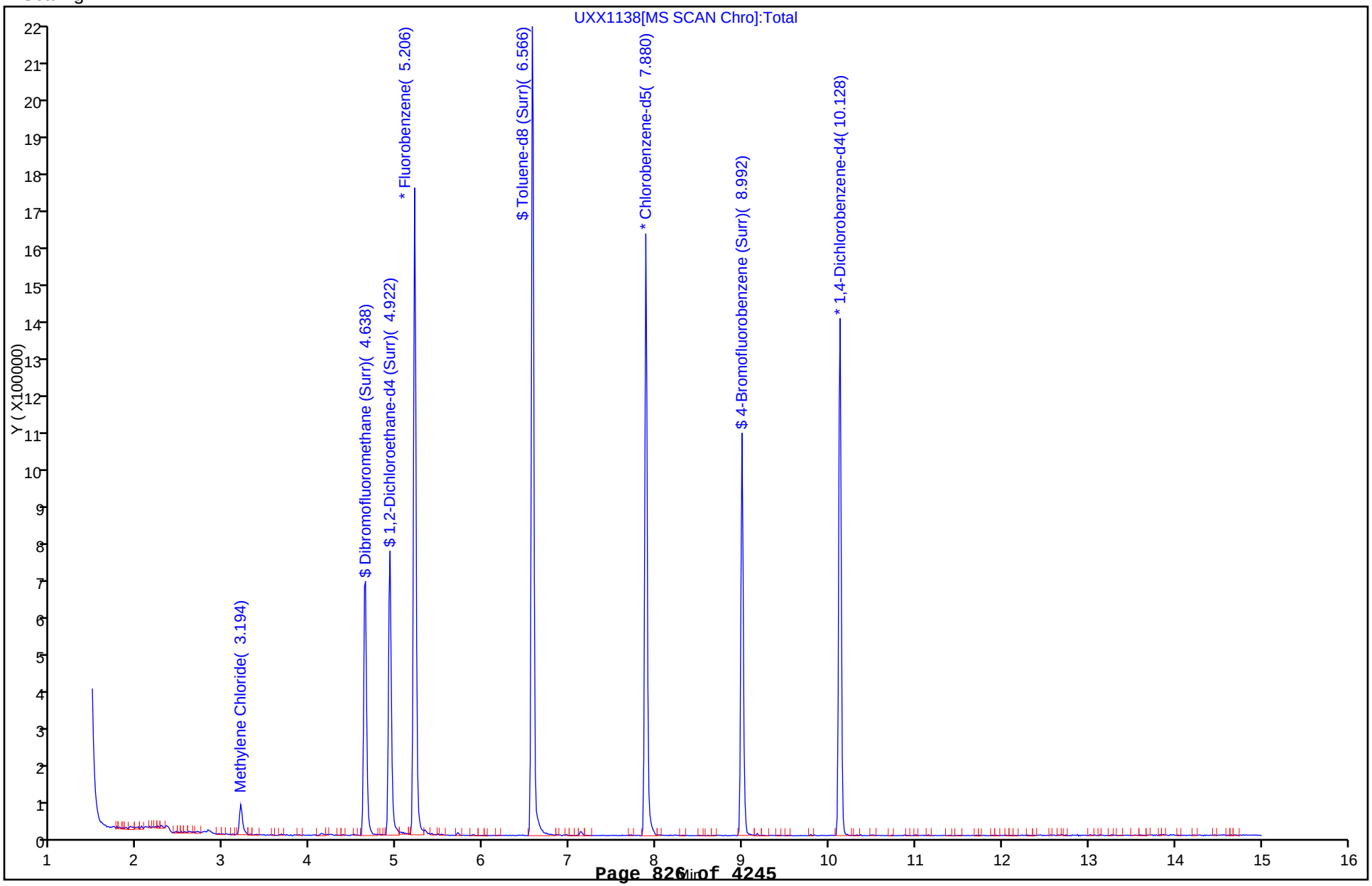
Report Date: 23-Nov-2012 08:56:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1138.D

Injection Date:	21-Nov-2012 14:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076-0068-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	12
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



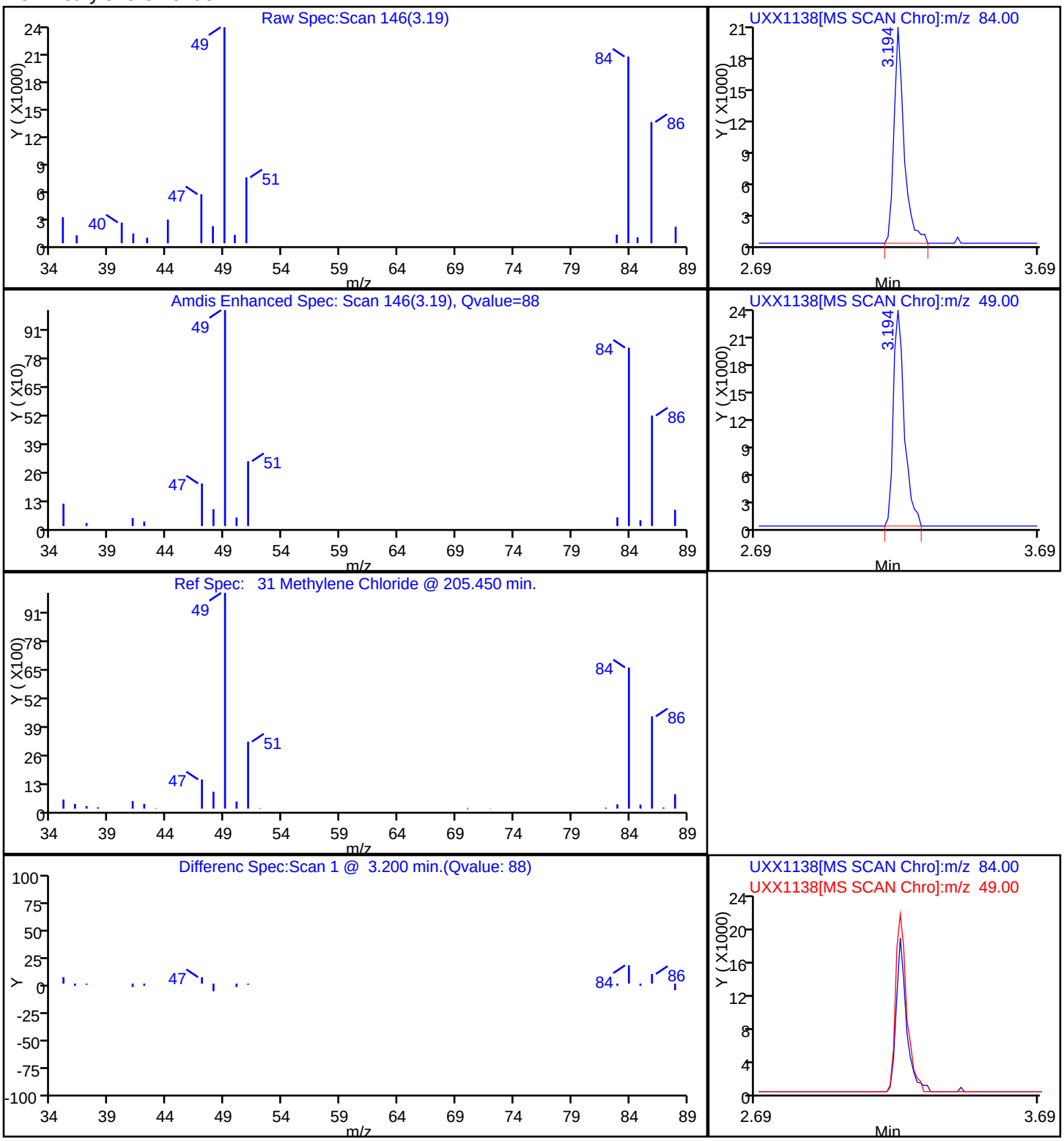
Report Date: 23-Nov-2012 08:56:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1138.D

Injection Date:	21-Nov-2012 14:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076-0068-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	12
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0060M-0001-SO | Lab Sample ID: 240-17796-22

Matrix: Solid | Lab File ID: 149457.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 17:35

Sample wt/vol: 6.127(g) | Date Analyzed: 11/26/2012 20:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.5 | Level: (low/med) Low

Analysis Batch No.: 66239 | 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	0.41
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	0.80
78-87-5	1,2-Dichloropropane	1.0	U	5.2	1.0	0.72
78-93-3	2-Butanone (MEK)	2.1	U	21	2.1	1.5
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	8.7	J 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	0.74
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	0.46
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	0.43
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	0.45
75-09-2	Methylene Chloride	1.0	U	5.2	1.0	0.70
100-42-5	Styrene	0.52	U	5.2	0.52	0.16
127-18-4	Tetrachloroethene	1.0	U	5.2	1.0	0.54
108-88-3	Toluene	0.52	U	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	0.44
75-01-4	Vinyl chloride	0.52	U	5.2	0.52	0.41
1330-20-7	Xylenes, Total	1.6	U	10	1.6	0.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0060M-0001-SO Lab Sample ID: 240-17796-22

Matrix: Solid Lab File ID: 149457.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 17:35

Sample wt/vol: 6.127(g) Date Analyzed: 11/26/2012 20:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.5 Level: (low/med) Low

Analysis Batch No.: 66239 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)	89		85-120
1868-53-7	Dibromofluoromethane (Surr)	81		59-138
2037-26-5	Toluene-d8 (Surr)	95		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149457.D
Lims ID: 240-17796-B-22-A Client ID: 076SB-0060M-0001-SO
Inject. Date: 26-Nov-2012 20:00:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-22-a
Misc. Info.: 240-0015258-024 =240-0015258-024
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 66239 Lims Sample ID: 24
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:07:31

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	2053618	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	90	1141872	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.559	0.012	99	537638	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	58	413492	40.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	606574	48.1	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1698690	47.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	477336	44.6	
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		3.146					
22 Acetone	43	3.252	3.252	0.0	96	44101	8.39	
26 Carbon disulfide	76	3.406	3.418	-0.012	59	1597	2.95	
30 Methylene Chloride	84		3.879					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43		5.702					
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	72	2183	0.1809	
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	86	5671	0.1437	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.885					
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	29	705	0.0529	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	76	2063	0.1269	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		0.1269	

QC Flag Legend

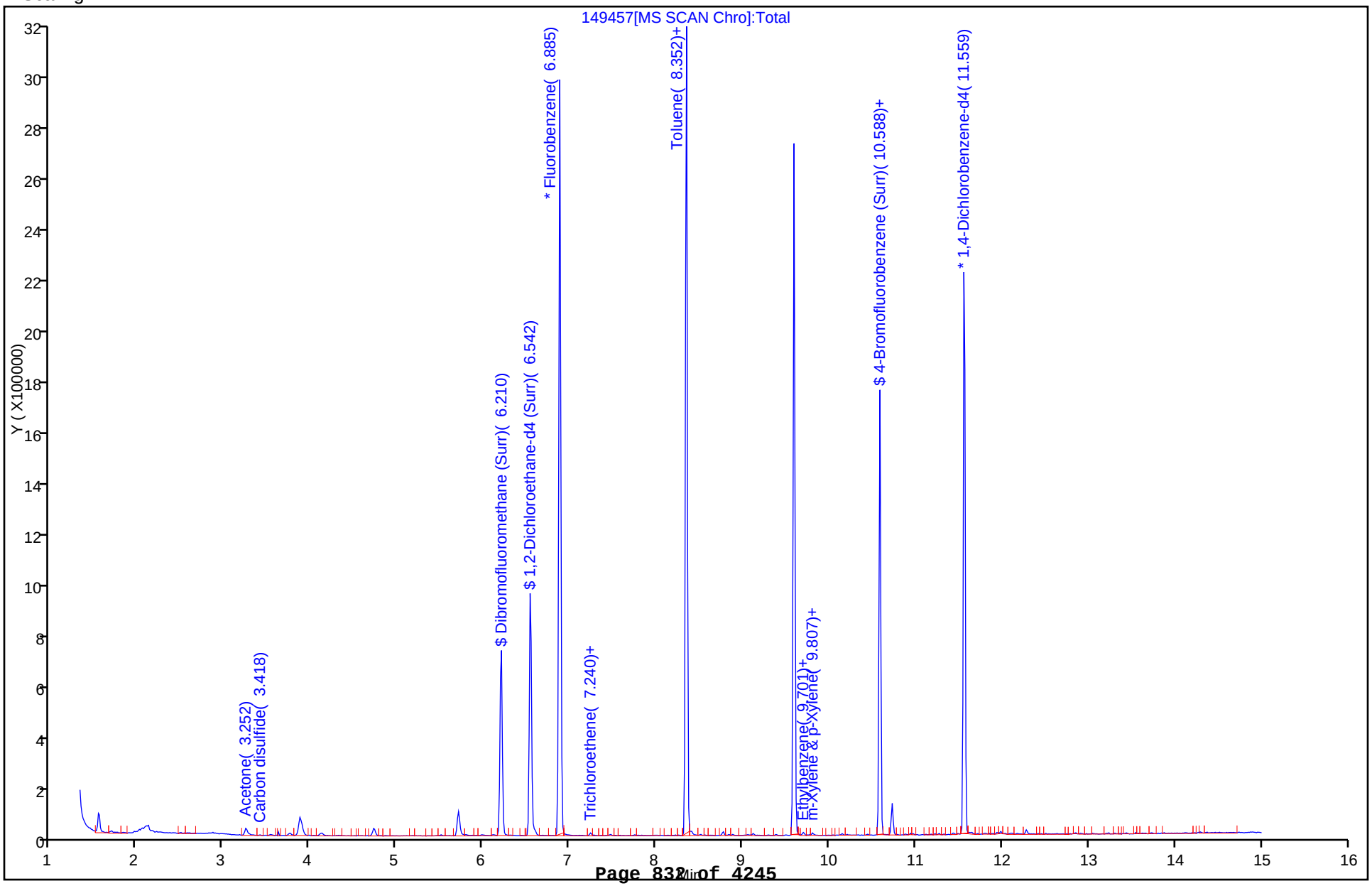
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149457.D		
Injection Date:	26-Nov-2012 20:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	24
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



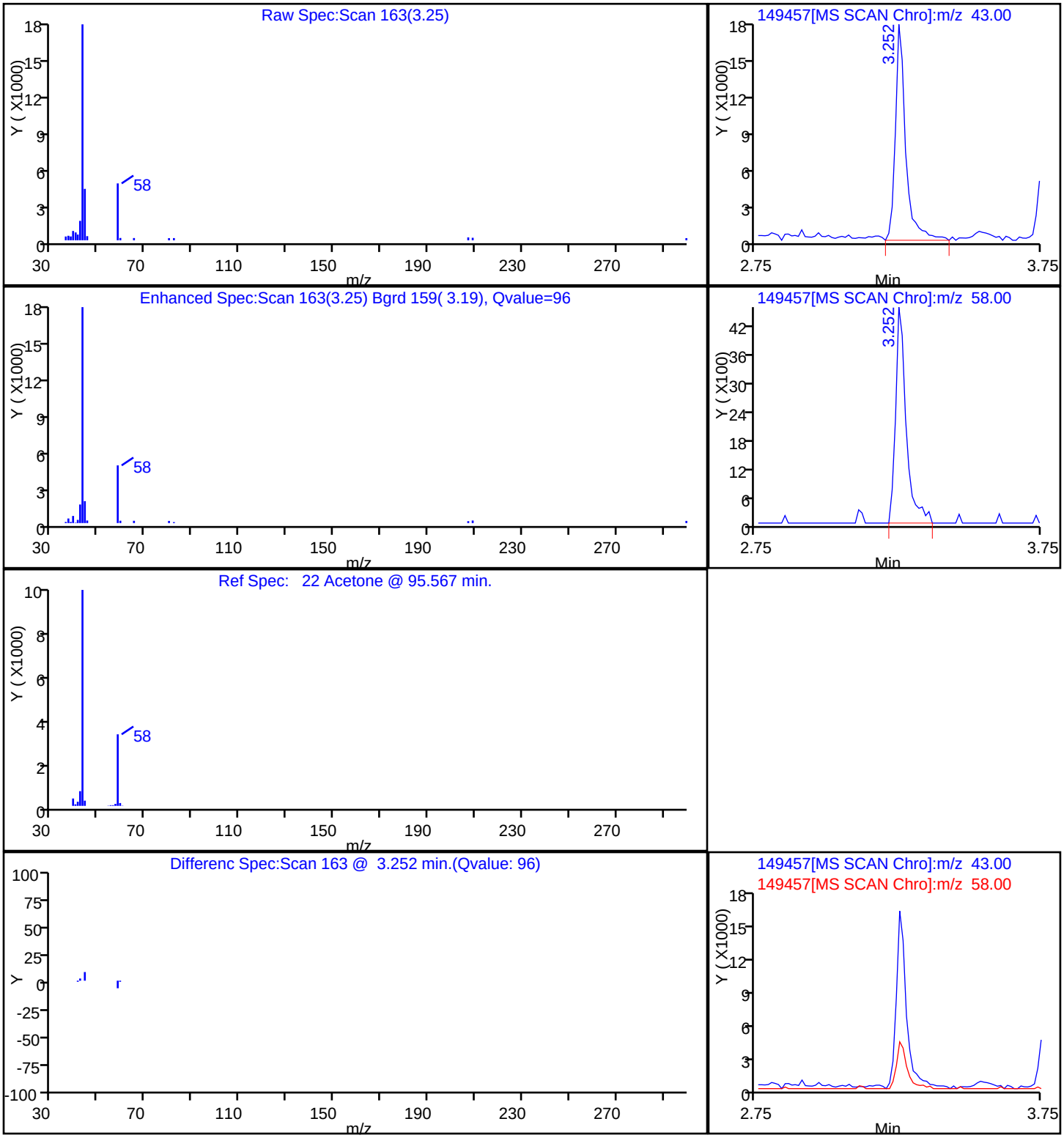
Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149457.D

Injection Date:	26-Nov-2012 20:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	24
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone

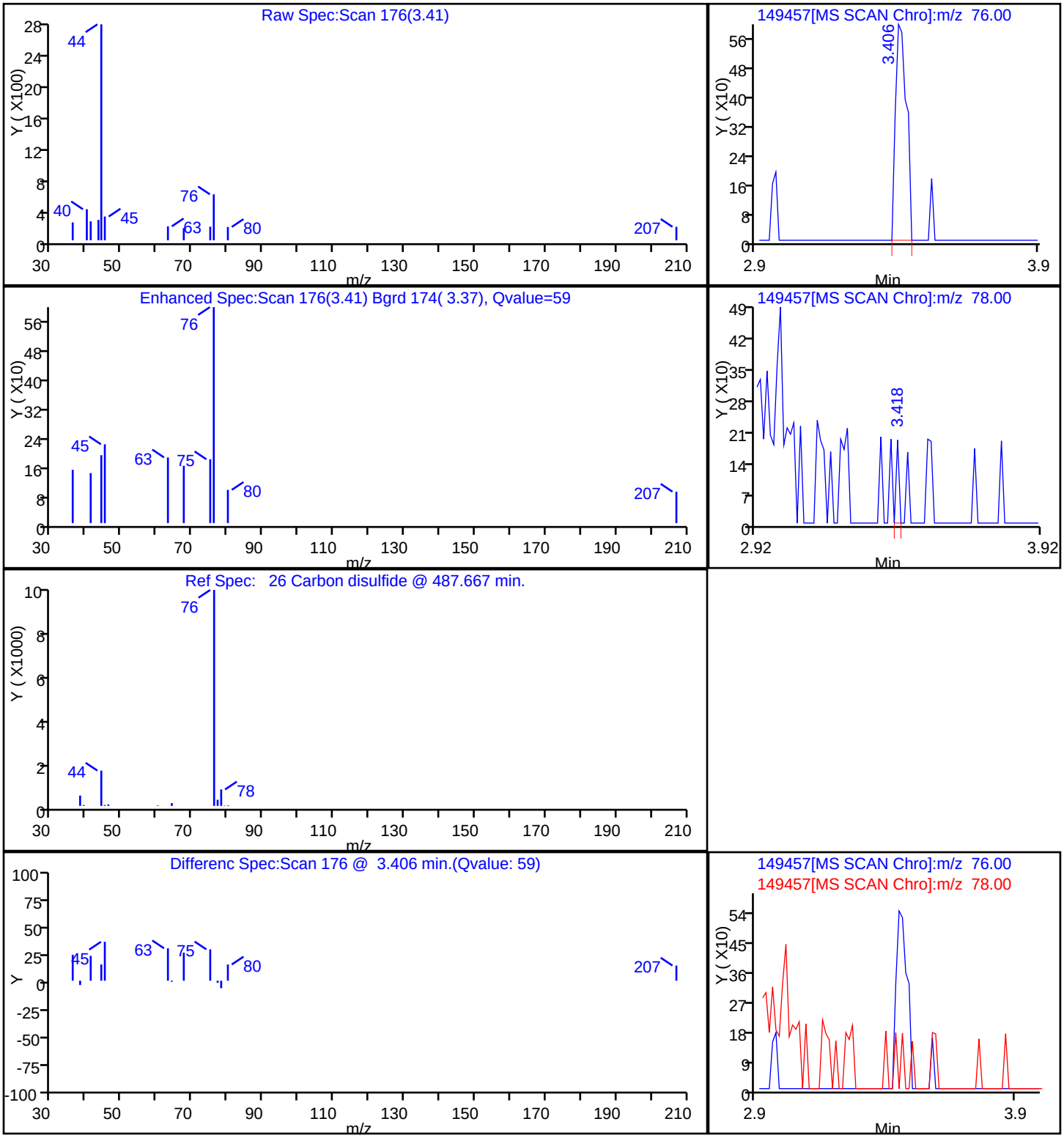


Report Date: 27-Nov-2012 09:28:13 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149457.D		
Injection Date:	26-Nov-2012 20:00:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	24
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0061M-0001-SO | Lab Sample ID: 240-17796-23

Matrix: Solid | Lab File ID: 149458.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 17:35

Sample wt/vol: 11.841(g) | Date Analyzed: 11/26/2012 20:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.6 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.48	U	2.4	0.48	0.27
79-34-5	1,1,2,2-Tetrachloroethane	0.24	U	2.4	0.24	0.16
79-00-5	1,1,2-Trichloroethane	0.24	U	2.4	0.24	0.19
75-34-3	1,1-Dichloroethane	0.24	U	2.4	0.24	0.17
75-35-4	1,1-Dichloroethene	0.48	U	2.4	0.48	0.25
106-93-4	1,2-Dibromoethane	0.48	U	2.4	0.48	0.24
107-06-2	1,2-Dichloroethane	0.24	U	2.4	0.24	0.16
540-59-0	1,2-Dichloroethene, Total	0.48	U	4.8	0.48	0.37
78-87-5	1,2-Dichloropropane	0.48	U	2.4	0.48	0.33
78-93-3	2-Butanone (MEK)	4.3	J	9.7	0.97	0.68
591-78-6	2-Hexanone	0.48	U	9.7	0.48	0.30
108-10-1	4-Methyl-2-pentanone (MIBK)	0.48	U	9.7	0.48	0.26
67-64-1	Acetone	57	B	9.7	3.0	3.0
71-43-2	Benzene	0.24	U	2.4	0.24	0.11
74-97-5	Bromochloromethane	0.48	U	2.4	0.48	0.34
75-27-4	Bromodichloromethane	0.24	U	2.4	0.24	0.14
75-25-2	Bromoform	0.24	U	2.4	0.24	0.16
74-83-9	Bromomethane	0.48	U	2.4	0.48	0.26
75-15-0	Carbon disulfide	1.4	J	2.4	0.24	0.21
56-23-5	Carbon tetrachloride	0.24	U	2.4	0.24	0.18
108-90-7	Chlorobenzene	0.24	U	2.4	0.24	0.16
75-00-3	Chloroethane	0.48	U	2.4	0.48	0.42
67-66-3	Chloroform	0.24	U	2.4	0.24	0.14
74-87-3	Chloromethane	0.24	U	2.4	0.24	0.20
10061-01-5	cis-1,3-Dichloropropene	0.24	U	2.4	0.24	0.16
124-48-1	Dibromochloromethane	0.48	U	2.4	0.48	0.27
100-41-4	Ethylbenzene	0.24	U	2.4	0.24	0.13
1634-04-4	Methyl tert-butyl ether	0.24	U	2.4	0.24	0.21
75-09-2	Methylene Chloride	0.48	U	2.4	0.48	0.32
100-42-5	Styrene	0.24	U	2.4	0.24	0.073
127-18-4	Tetrachloroethene	0.48	U	2.4	0.48	0.25
108-88-3	Toluene	0.24	U	2.4	0.24	0.13
10061-02-6	trans-1,3-Dichloropropene	0.48	U	2.4	0.48	0.26
79-01-6	Trichloroethene	0.24	U	2.4	0.24	0.20
75-01-4	Vinyl chloride	0.24	U	2.4	0.24	0.19
1330-20-7	Xylenes, Total	0.73	U	4.8	0.73	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0061M-0001-SO Lab Sample ID: 240-17796-23

Matrix: Solid Lab File ID: 149458.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 17:35

Sample wt/vol: 11.841(g) Date Analyzed: 11/26/2012 20:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.6 Level: (low/med) Low

Analysis Batch No.: 66239 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		61-130
460-00-4	4-Bromofluorobenzene (Surr)	86		85-120
1868-53-7	Dibromofluoromethane (Surr)	77		59-138
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149458.D
Lims ID: 240-17796-B-23-A
Client ID: 076SB-0061M-0001-SO
Inject. Date: 26-Nov-2012 20:21:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-23-a
Misc. Info.: 240-0015258-025 =240-0015258-025
Operator: 002808
Instrument ID: A3UX14
Purge Vol: 5.000 mL
ALS Bottle#: 25
Lims Batch ID: 66239
Lims Sample ID: 25
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58
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: XAWRK019

First Level Reviewer: macenczaks
Date: 27-Nov-2012 09:07:43

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	2141220	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.595	0.0	91	1205400	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.559	0.0	97	567370	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	66	409637	38.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	584965	44.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1731865	46.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	487312	43.1	
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		3.146					9
22 Acetone	43	3.264	3.252	0.012	99	385742	118.6	
26 Carbon disulfide	76	3.418	3.418	0.0	57	2258	2.98	
30 Methylene Chloride	84	3.879	3.879	0.0	86	41634	0.2273	
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.702	5.702	0.0	97	46696	8.91	
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	62	1970	0.1566	
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	72	8039	0.1930	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.885					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	9.808	9.808	0.0	89	1994	0.1162	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		0.1162	

QC Flag Legend

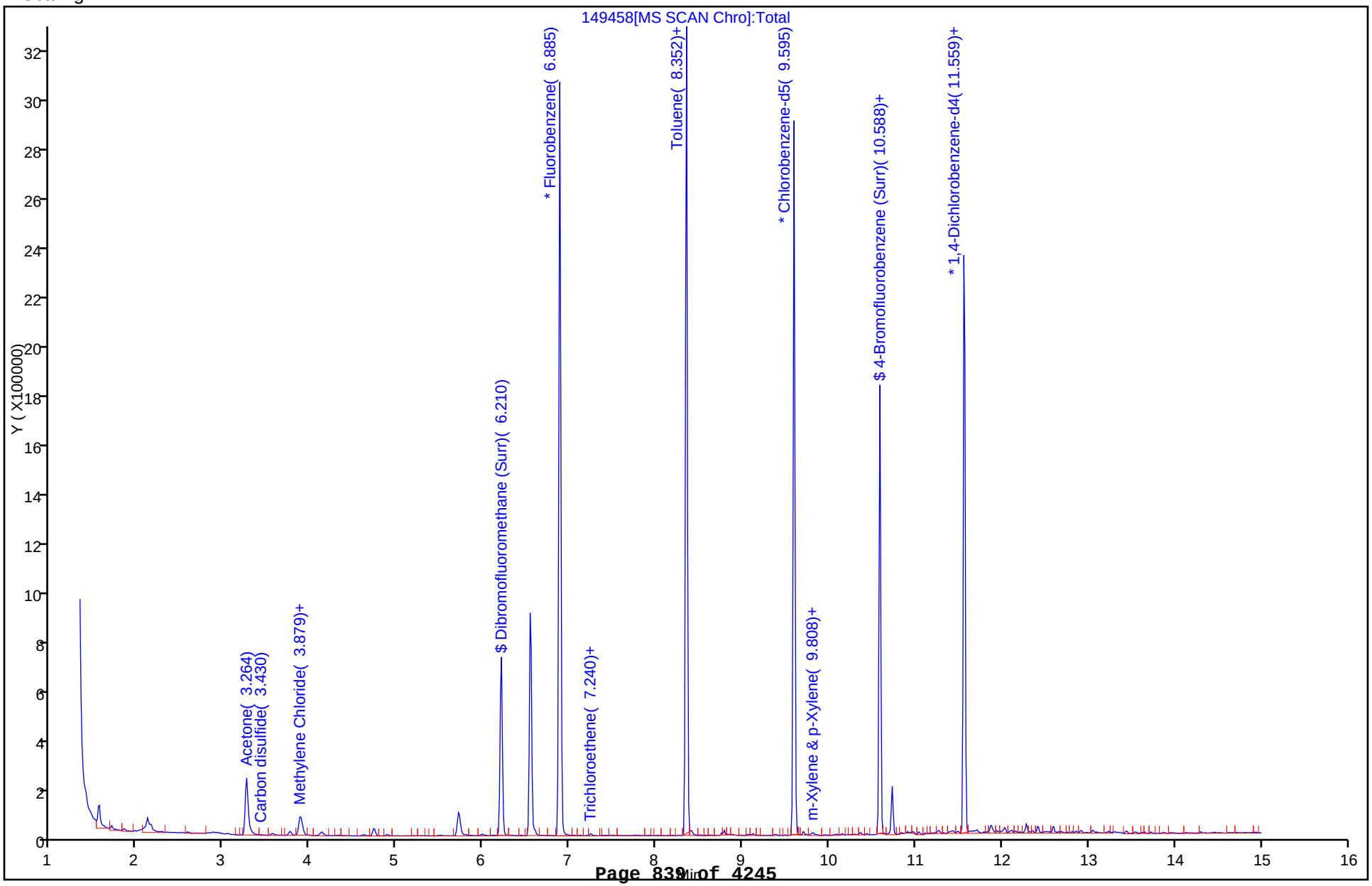
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149458.D		
Injection Date:	26-Nov-2012 20:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0061M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	25
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



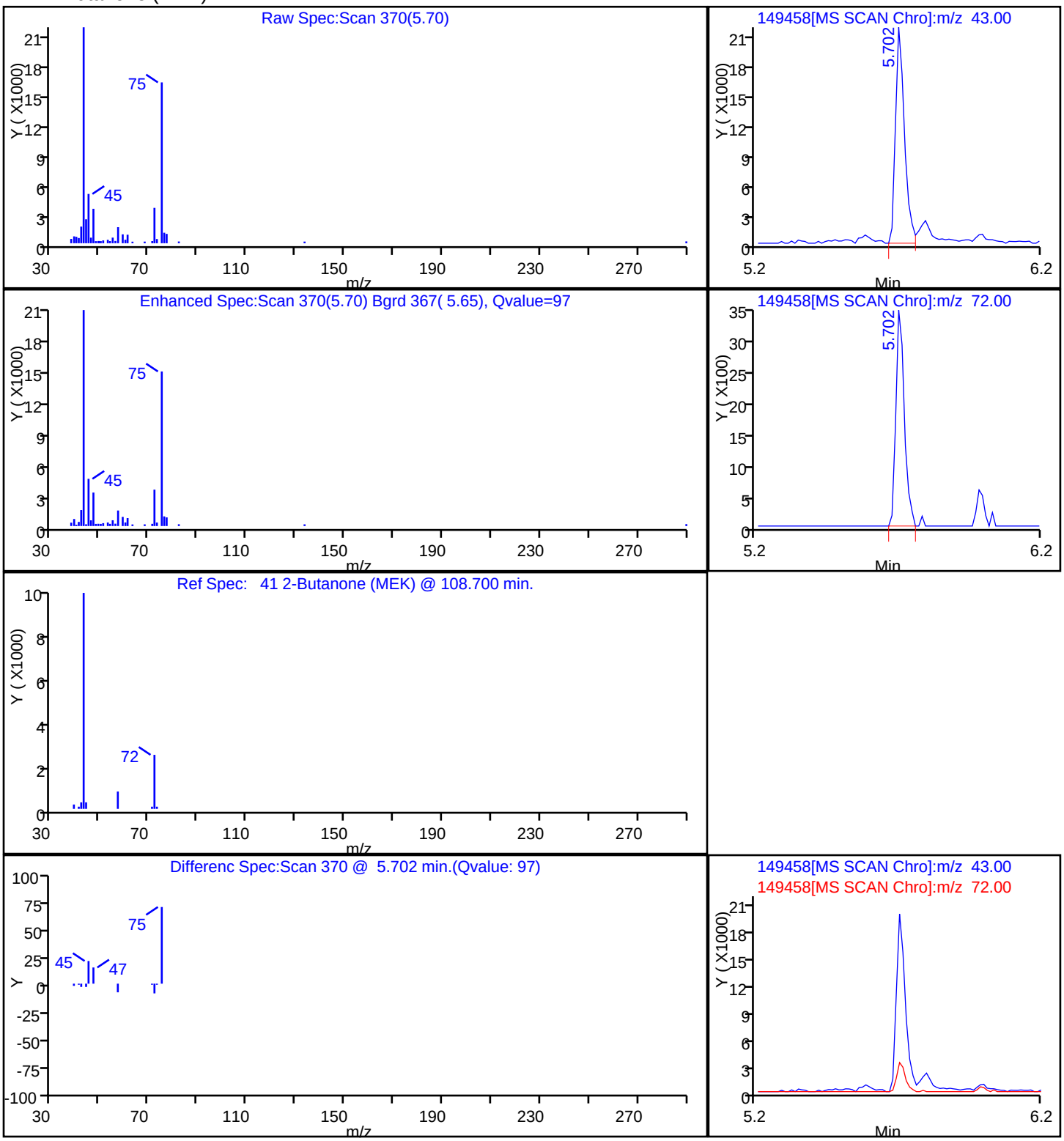
Report Date: 27-Nov-2012 09:28:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149458.D

Injection Date:	26-Nov-2012 20:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0061M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	25
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



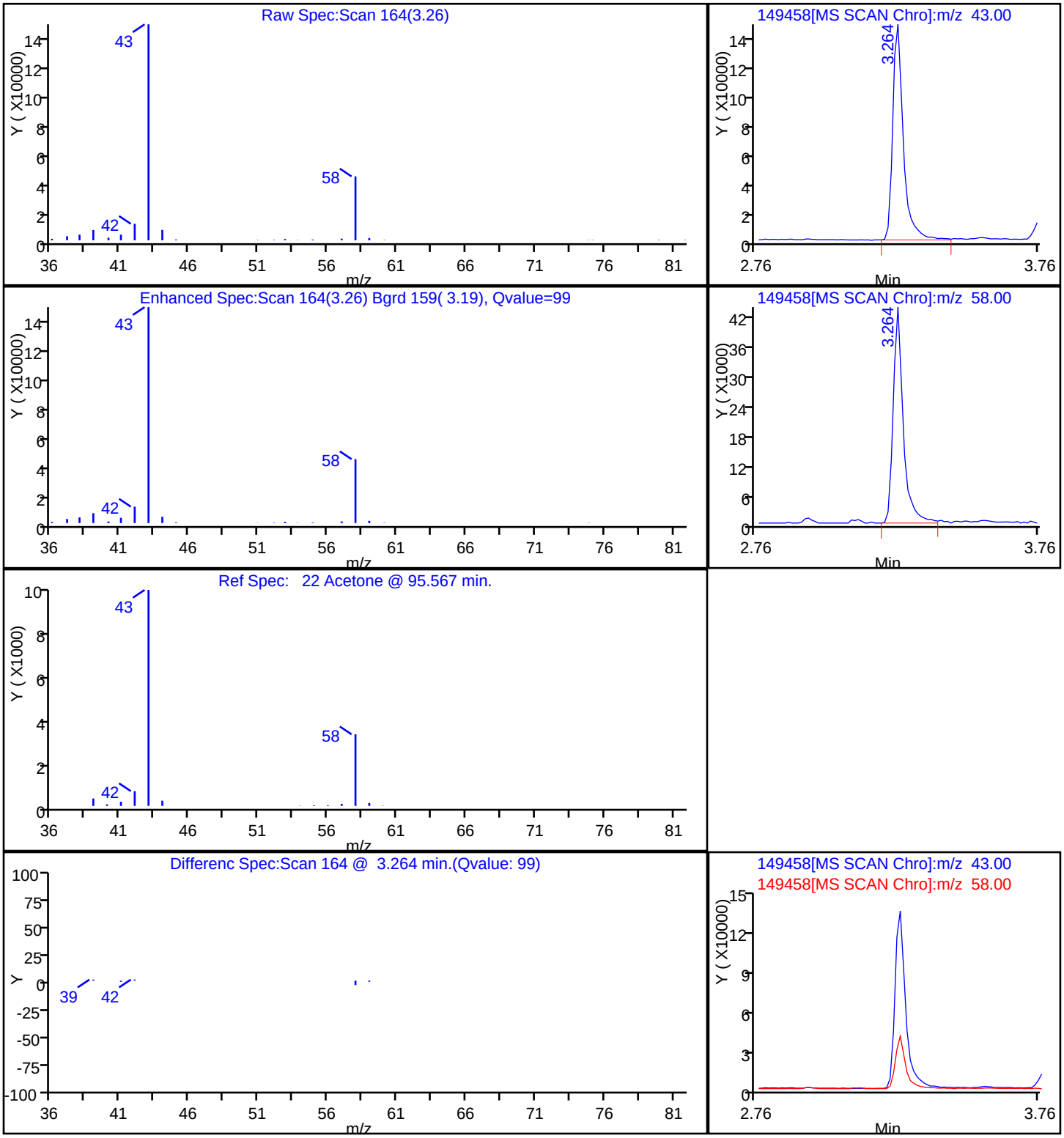
Report Date: 27-Nov-2012 09:28:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149458.D

Injection Date:	26-Nov-2012 20:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0061M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	25
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone

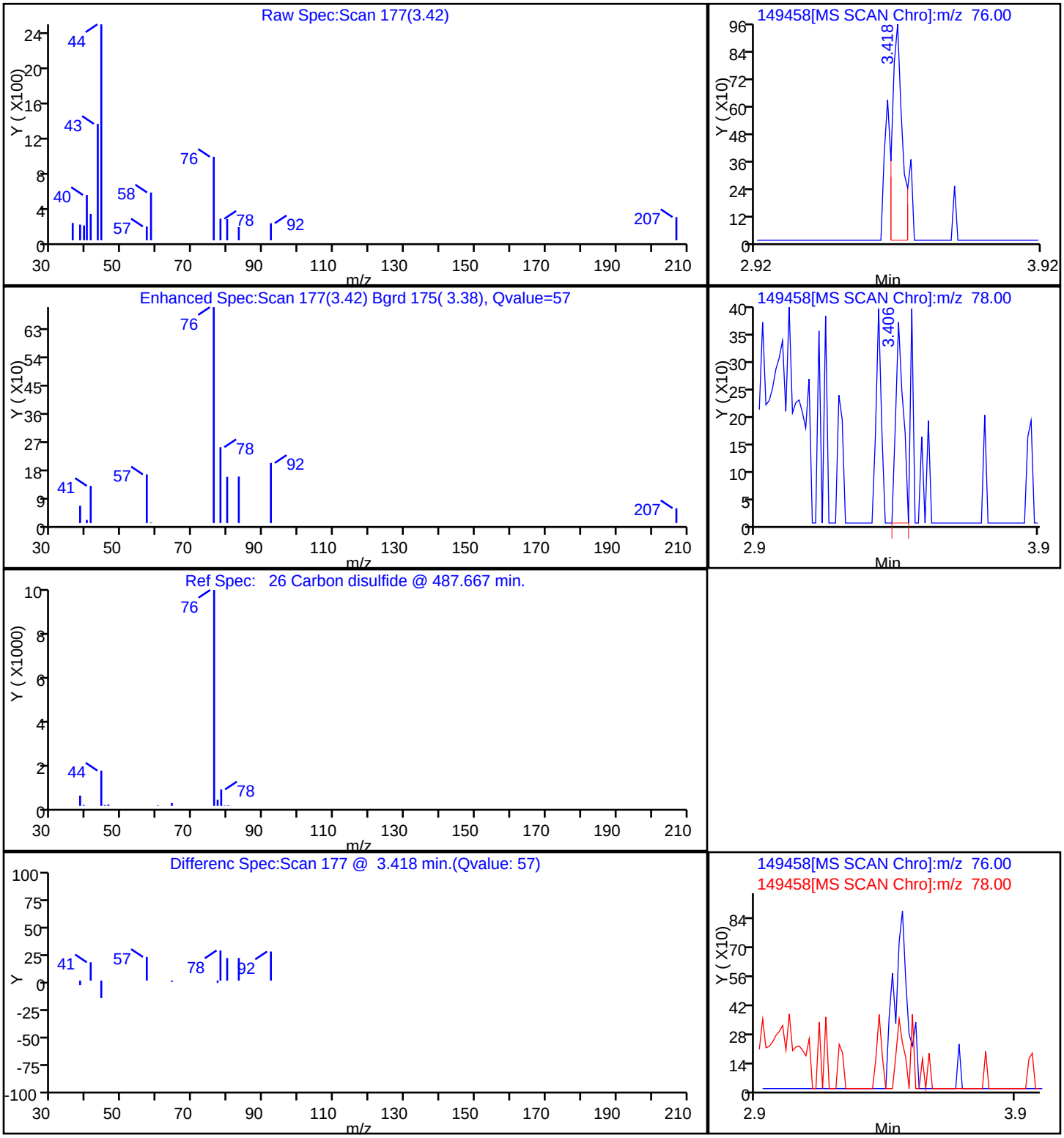


Report Date: 27-Nov-2012 09:28:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149458.D		
Injection Date:	26-Nov-2012 20:21:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0061M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	25
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0062M-0001-SO | Lab Sample ID: 240-17796-24

Matrix: Solid | Lab File ID: 149459.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 17:05

Sample wt/vol: 6.676(g) | Date Analyzed: 11/26/2012 20:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.8 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.88	U	4.4	0.88	0.49
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	4.4	0.44	0.30
79-00-5	1,1,2-Trichloroethane	0.44	U	4.4	0.44	0.34
75-34-3	1,1-Dichloroethane	0.44	U	4.4	0.44	0.32
75-35-4	1,1-Dichloroethene	0.88	U	4.4	0.88	0.46
106-93-4	1,2-Dibromoethane	0.88	U	4.4	0.88	0.44
107-06-2	1,2-Dichloroethane	0.44	U	4.4	0.44	0.30
540-59-0	1,2-Dichloroethene, Total	0.88	U	8.8	0.88	0.68
78-87-5	1,2-Dichloropropane	0.88	U	4.4	0.88	0.61
78-93-3	2-Butanone (MEK)	1.3	J	18	1.8	1.2
591-78-6	2-Hexanone	0.88	U	18	0.88	0.55
108-10-1	4-Methyl-2-pentanone (MIBK)	0.88	U	18	0.88	0.47
67-64-1	Acetone	9.9	J B	18	5.5	5.5
71-43-2	Benzene	0.44	U	4.4	0.44	0.20
74-97-5	Bromochloromethane	0.88	U	4.4	0.88	0.62
75-27-4	Bromodichloromethane	0.44	U	4.4	0.44	0.25
75-25-2	Bromoform	0.44	U	4.4	0.44	0.29
74-83-9	Bromomethane	0.88	U	4.4	0.88	0.47
75-15-0	Carbon disulfide	0.44	U	4.4	0.44	0.39
56-23-5	Carbon tetrachloride	0.44	U	4.4	0.44	0.33
108-90-7	Chlorobenzene	0.44	U	4.4	0.44	0.29
75-00-3	Chloroethane	0.88	U	4.4	0.88	0.76
67-66-3	Chloroform	0.44	U	4.4	0.44	0.25
74-87-3	Chloromethane	0.44	U	4.4	0.44	0.36
10061-01-5	cis-1,3-Dichloropropene	0.44	U	4.4	0.44	0.30
124-48-1	Dibromochloromethane	0.88	U	4.4	0.88	0.48
100-41-4	Ethylbenzene	0.44	U	4.4	0.44	0.23
1634-04-4	Methyl tert-butyl ether	0.44	U	4.4	0.44	0.38
75-09-2	Methylene Chloride	0.88	U	4.4	0.88	0.59
100-42-5	Styrene	0.44	U	4.4	0.44	0.13
127-18-4	Tetrachloroethene	0.88	U	4.4	0.88	0.46
108-88-3	Toluene	0.44	U	4.4	0.44	0.24
10061-02-6	trans-1,3-Dichloropropene	0.88	U	4.4	0.88	0.47
79-01-6	Trichloroethene	0.44	U	4.4	0.44	0.37
75-01-4	Vinyl chloride	0.44	U	4.4	0.44	0.34
1330-20-7	Xylenes, Total	1.3	U	8.8	1.3	0.59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0062M-0001-SO Lab Sample ID: 240-17796-24

Matrix: Solid Lab File ID: 149459.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 17:05

Sample wt/vol: 6.676(g) Date Analyzed: 11/26/2012 20:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 14.8 Level: (low/med) Low

Analysis Batch No.: 66239 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		61-130
460-00-4	4-Bromofluorobenzene (Surr)	86		85-120
1868-53-7	Dibromofluoromethane (Surr)	80		59-138
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149459.D
Lims ID: 240-17796-B-24-A Client ID: 076SB-0062M-0001-SO
Inject. Date: 26-Nov-2012 20:43:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-24-a
Misc. Info.: 240-0015258-026 =240-0015258-026
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 26
Lims Batch ID: 66239 Lims Sample ID: 26
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:07:57

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	2172676	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	97	1255566	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.559	0.011	98	613432	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	67	431615	39.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	91	635706	47.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	1794281	45.8	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	526991	43.1	
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		3.146					9
22 Acetone	43	3.264	3.252	0.012	97	55532	11.2	
26 Carbon disulfide	76		3.418					9
30 Methylene Chloride	84		3.879					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.713	5.702	0.011	28	8101	1.52	
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					
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					
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					
77 Tetrachloroethene	164		8.885					9
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		9.808					
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		16.530					

QC Flag Legend

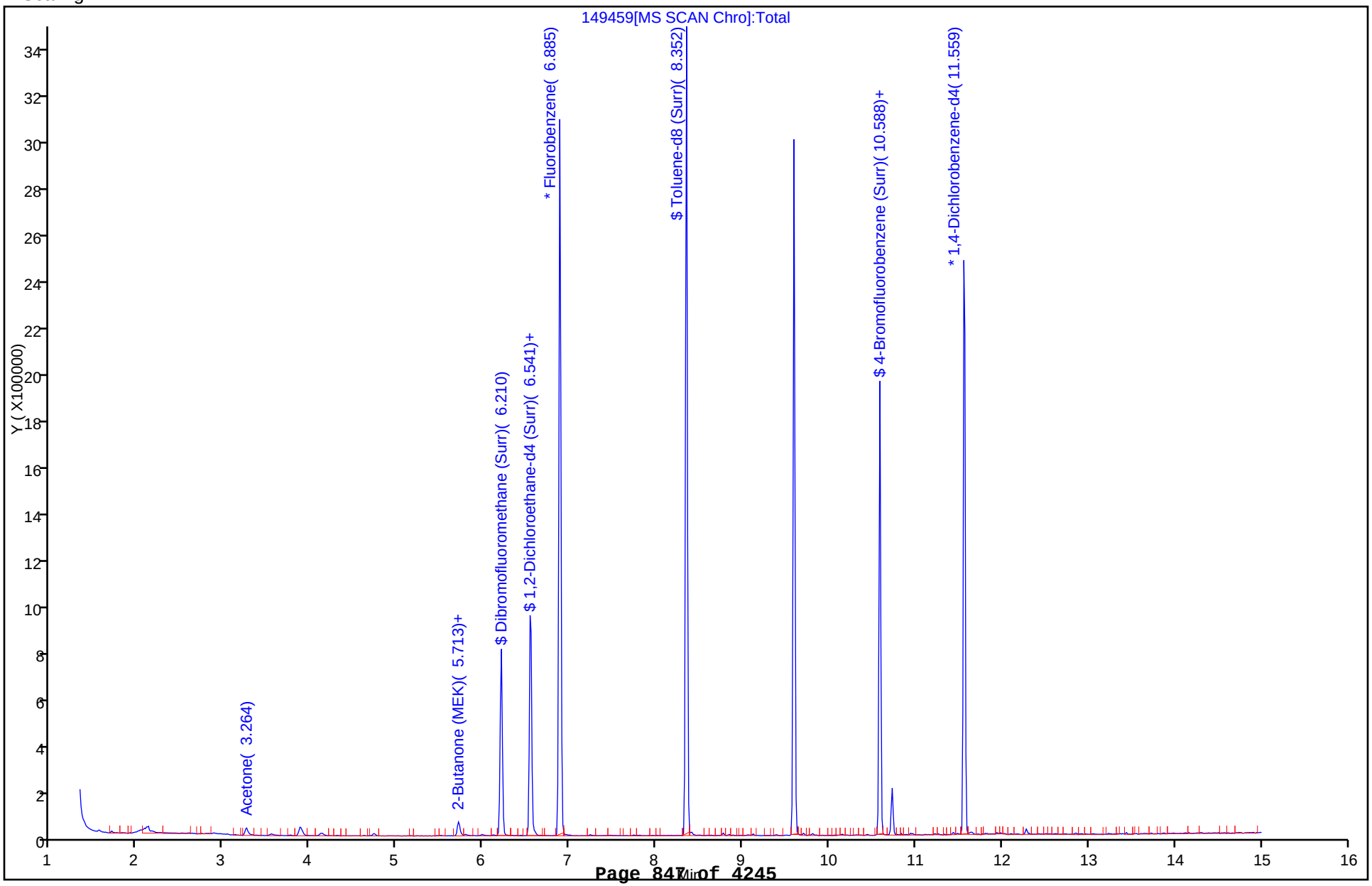
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149459.D		
Injection Date:	26-Nov-2012 20:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	26
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:

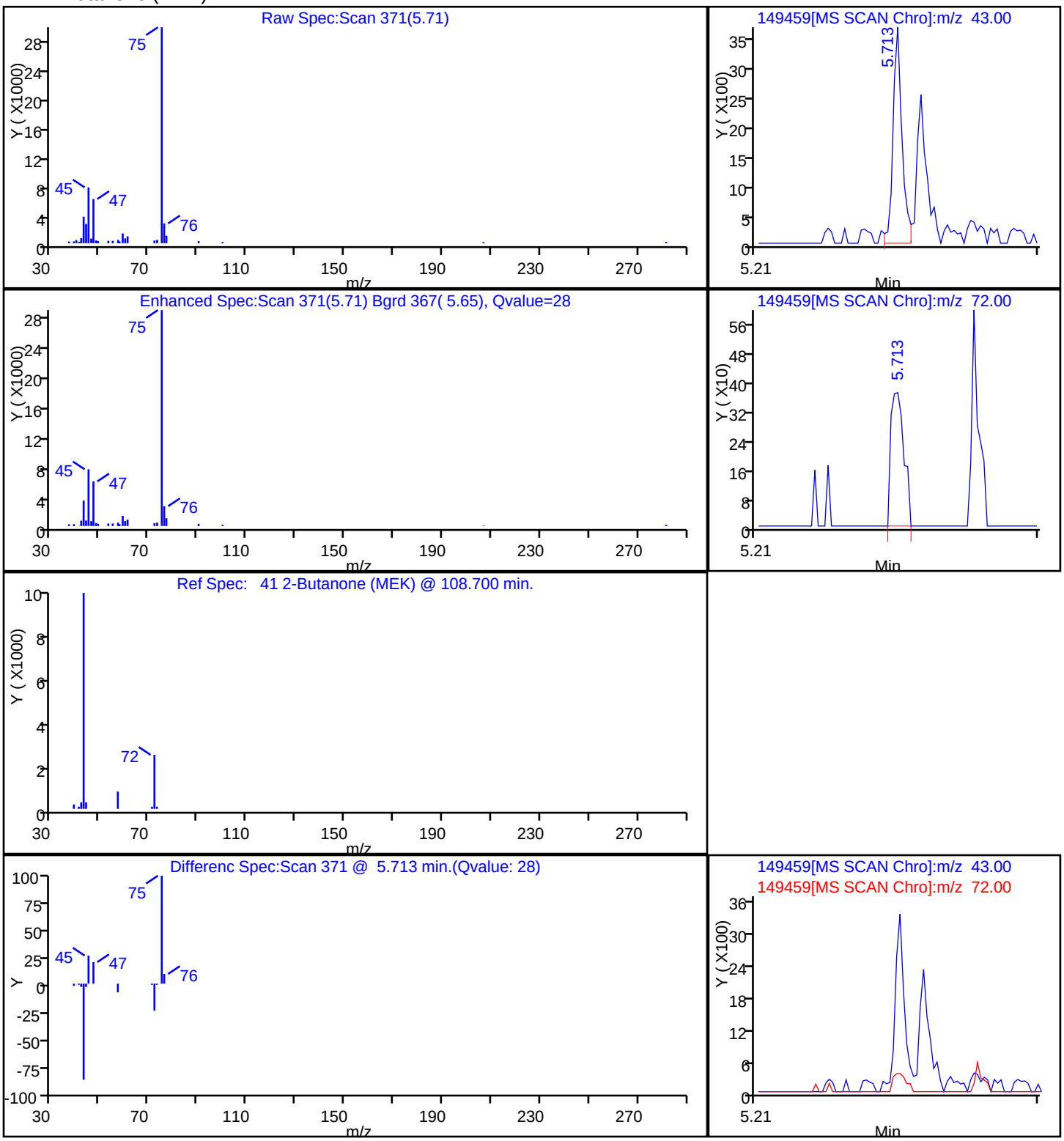


Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149459.D		
Injection Date:	26-Nov-2012 20:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	26
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)

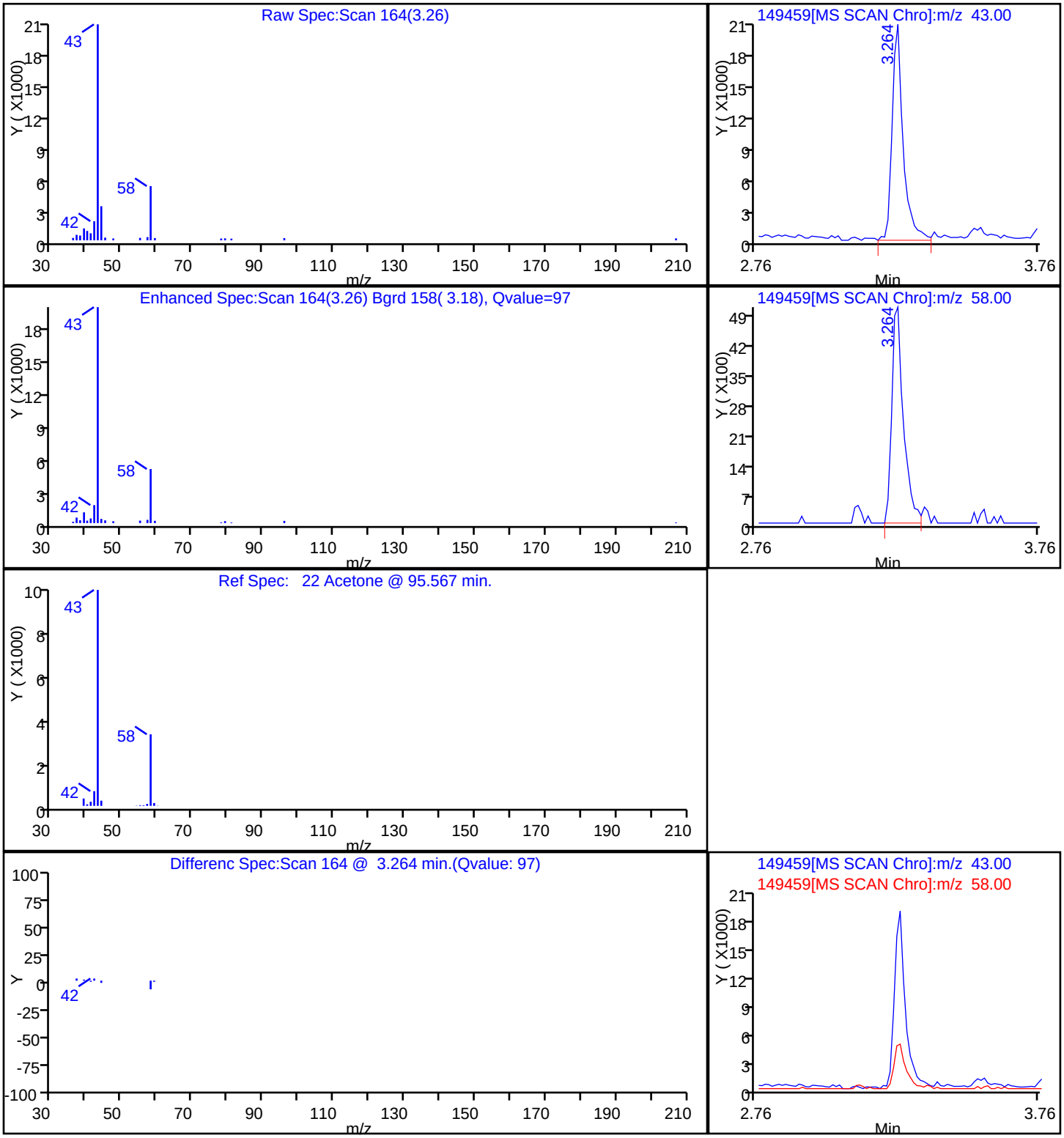


Report Date: 27-Nov-2012 09:28:14 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149459.D		
Injection Date:	26-Nov-2012 20:43:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	26
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO | Lab Sample ID: 240-17796-25

Matrix: Solid | Lab File ID: 149460.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 17:15

Sample wt/vol: 5.313(g) | Date Analyzed: 11/26/2012 21:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.8 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.2	U	5.9	1.2	0.66
79-34-5	1,1,2,2-Tetrachloroethane	0.59	U	5.9	0.59	0.40
79-00-5	1,1,2-Trichloroethane	0.59	U	5.9	0.59	0.46
75-34-3	1,1-Dichloroethane	0.59	U	5.9	0.59	0.42
75-35-4	1,1-Dichloroethene	1.2	U	5.9	1.2	0.61
106-93-4	1,2-Dibromoethane	1.2	U	5.9	1.2	0.59
107-06-2	1,2-Dichloroethane	0.59	U	5.9	0.59	0.40
540-59-0	1,2-Dichloroethene, Total	1.2	U	12	1.2	0.90
78-87-5	1,2-Dichloropropane	1.2	U	5.9	1.2	0.81
78-93-3	2-Butanone (MEK)	13	J	23	2.3	1.6
591-78-6	2-Hexanone	1.2	U	23	1.2	0.74
108-10-1	4-Methyl-2-pentanone (MIBK)	1.2	U	23	1.2	0.63
67-64-1	Acetone	59	B	23	7.4	7.4
71-43-2	Benzene	0.59	U	5.9	0.59	0.27
74-97-5	Bromochloromethane	1.2	U	5.9	1.2	0.83
75-27-4	Bromodichloromethane	0.59	U	5.9	0.59	0.33
75-25-2	Bromoform	0.59	U	5.9	0.59	0.39
74-83-9	Bromomethane	1.2	U	5.9	1.2	0.63
75-15-0	Carbon disulfide	3.5	J	5.9	0.59	0.52
56-23-5	Carbon tetrachloride	0.59	U	5.9	0.59	0.43
108-90-7	Chlorobenzene	0.59	U	5.9	0.59	0.39
75-00-3	Chloroethane	1.2	U	5.9	1.2	1.0
67-66-3	Chloroform	0.59	U	5.9	0.59	0.34
74-87-3	Chloromethane	0.59	U	5.9	0.59	0.48
10061-01-5	cis-1,3-Dichloropropene	0.59	U	5.9	0.59	0.40
124-48-1	Dibromochloromethane	1.2	U	5.9	1.2	0.65
100-41-4	Ethylbenzene	2.4	J	5.9	0.59	0.30
1634-04-4	Methyl tert-butyl ether	0.59	U	5.9	0.59	0.50
75-09-2	Methylene Chloride	1.2	U	5.9	1.2	0.79
100-42-5	Styrene	0.59	U	5.9	0.59	0.18
127-18-4	Tetrachloroethene	1.2	U	5.9	1.2	0.61
108-88-3	Toluene	1.0	J	5.9	0.59	0.32
10061-02-6	trans-1,3-Dichloropropene	1.2	U	5.9	1.2	0.63
79-01-6	Trichloroethene	0.59	U	5.9	0.59	0.49
75-01-4	Vinyl chloride	0.59	U	5.9	0.59	0.46
1330-20-7	Xylenes, Total	14		12	1.8	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO Lab Sample ID: 240-17796-25

Matrix: Solid Lab File ID: 149460.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 17:15

Sample wt/vol: 5.313(g) Date Analyzed: 11/26/2012 21:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.8 Level: (low/med) Low

Analysis Batch No.: 66239 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		61-130
460-00-4	4-Bromofluorobenzene (Surr)	107		85-120
1868-53-7	Dibromofluoromethane (Surr)	78		59-138
2037-26-5	Toluene-d8 (Surr)	99		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D
Lims ID: 240-17796-B-25-A Client ID: 076SB-0063M-0001-SO
Inject. Date: 26-Nov-2012 21:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-25-a
Misc. Info.: 240-0015258-027 =240-0015258-027
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 27
Lims Batch ID: 66239 Lims Sample ID: 27
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:08:11

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	2220560	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	92	1195342	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.559	0.011	92	432861	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	58	432859	39.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	92	617197	45.1	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	84	1845594	49.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	458058	53.3	
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		3.146					
22 Acetone	43	3.252	3.252	0.0	98	182342	50.5	
26 Carbon disulfide	76	3.429	3.418	0.011	86	3573	3.02	
30 Methylene Chloride	84		3.879					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.701	5.702	-0.001	97	61259	11.3	
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	14	6871	0.1500	
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					9
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					9
72 Toluene	91	8.411	8.411	0.0	88	36636	0.8868	
73 trans-1,3-Dichloropropene	75		8.601					9
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164	8.884	8.885	-0.001	57	1052	0.1149	
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	98	28556	2.05	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	97	99445	5.84	
85 o-Xylene	106	10.150	10.151	-0.001	95	98565	5.99	
86 Styrene	104		10.151					
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		11.8	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

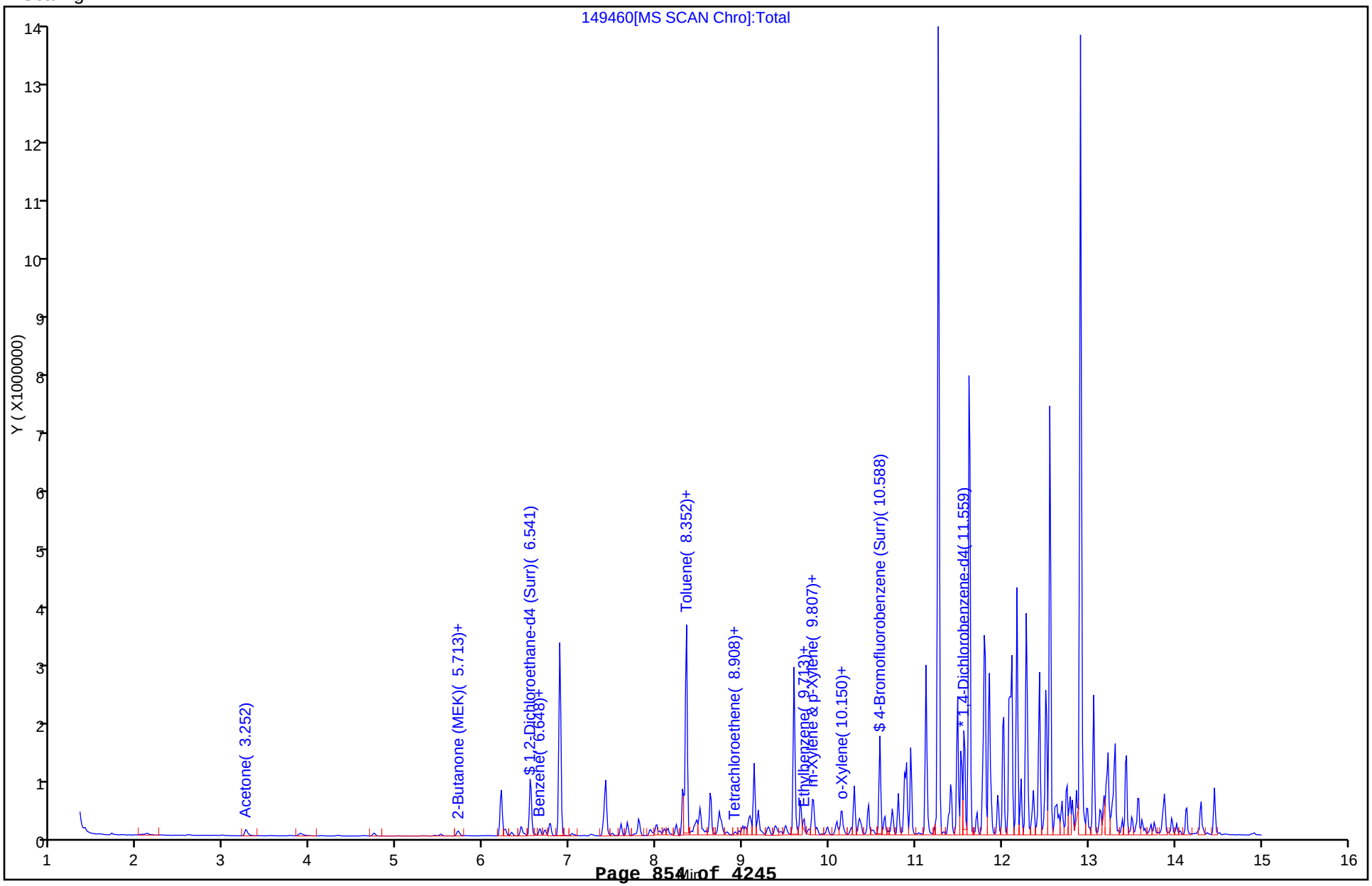
Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D

Injection Date:	26-Nov-2012 21:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



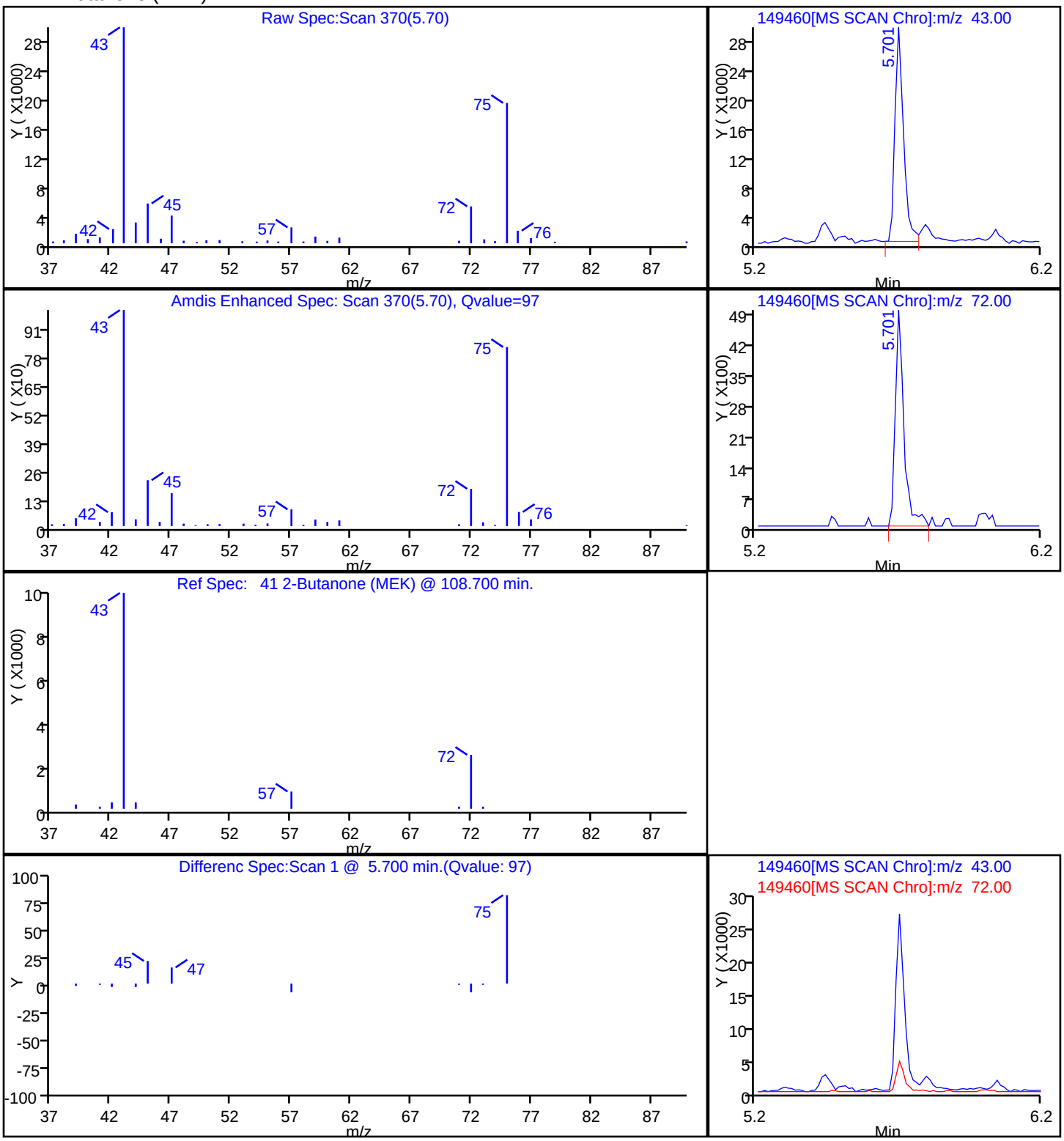
Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D

Injection Date:	26-Nov-2012 21:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



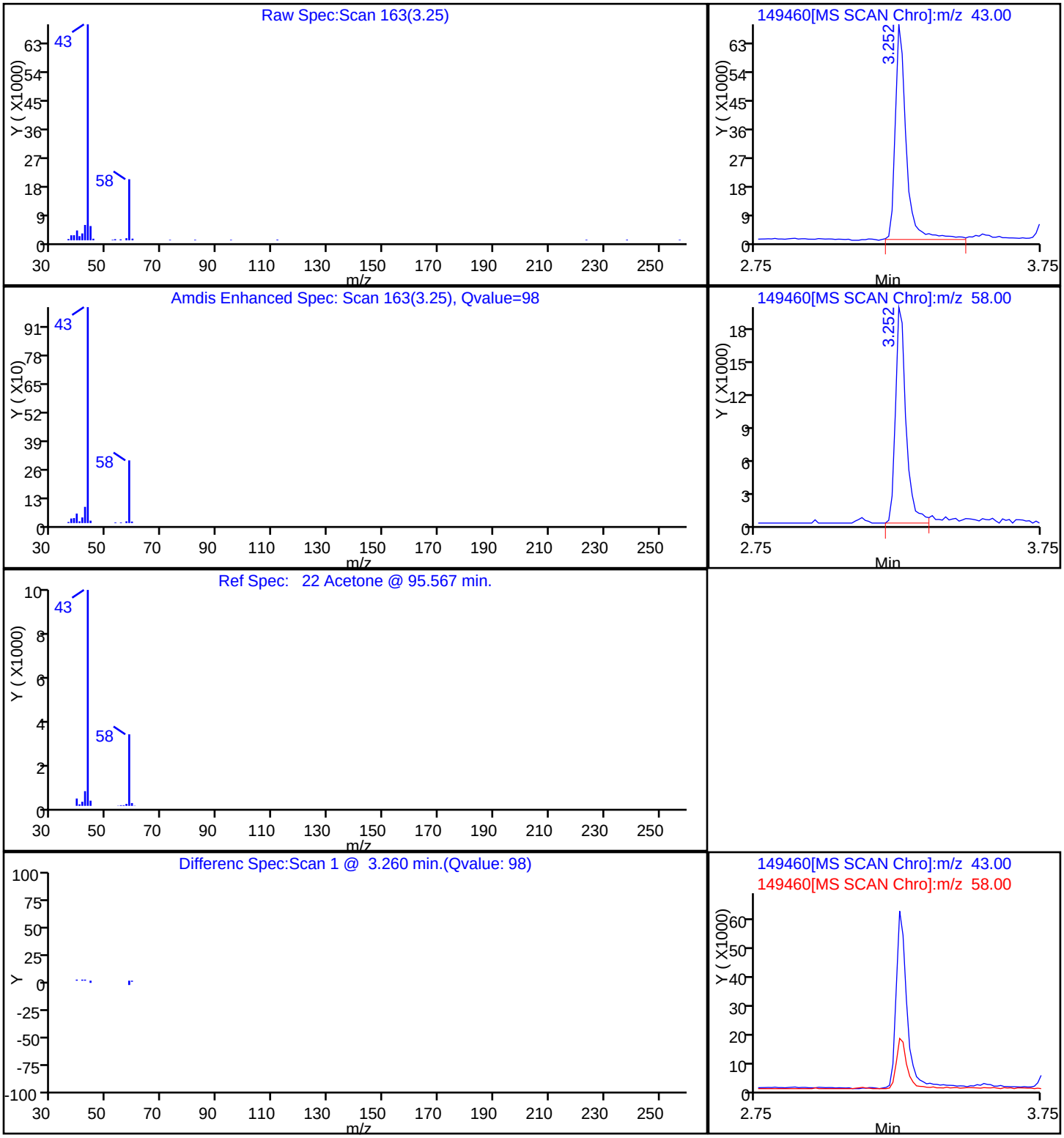
Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D

Injection Date:	26-Nov-2012 21:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



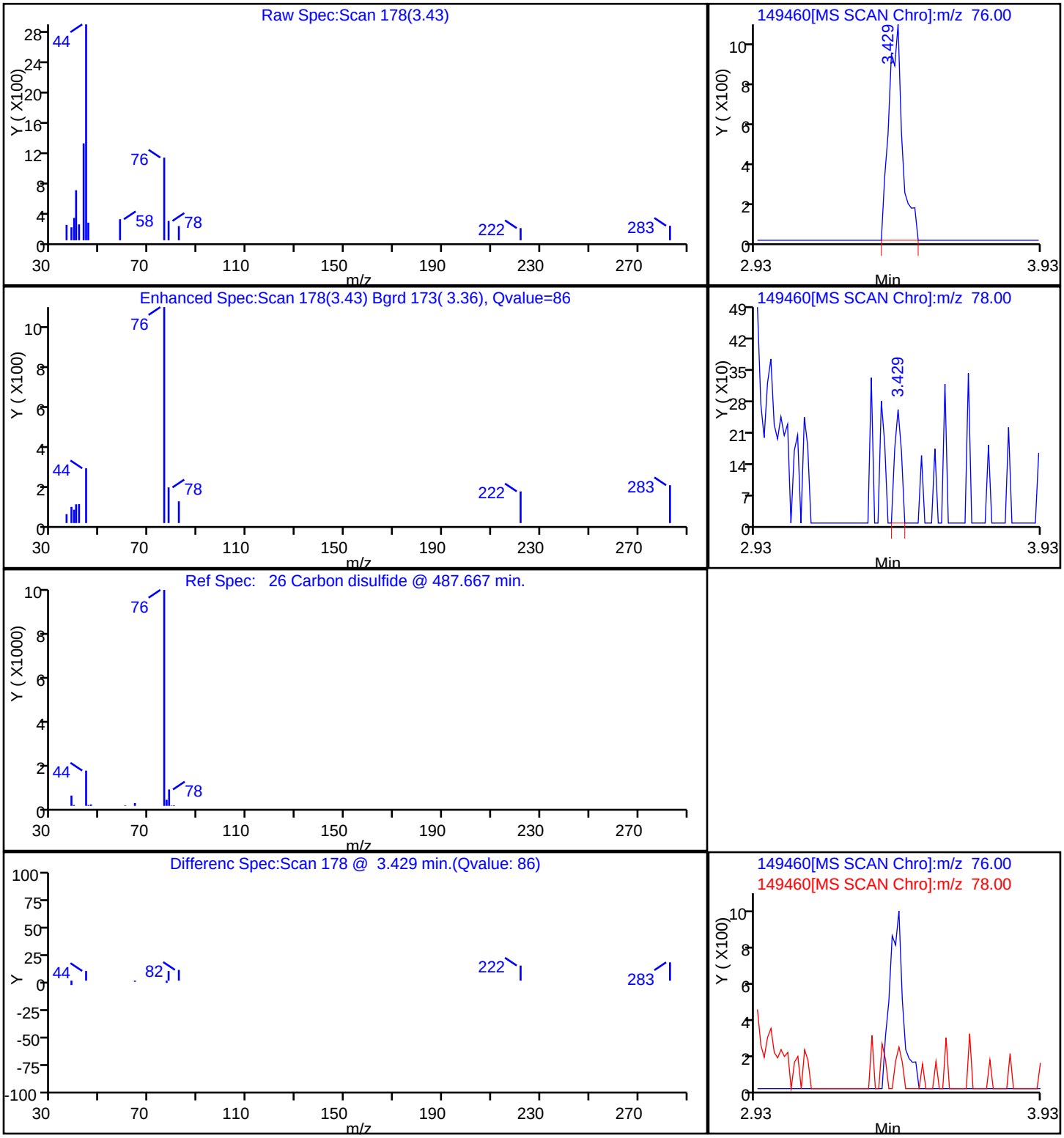
Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D

Injection Date:	26-Nov-2012 21:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

26 Carbon disulfide

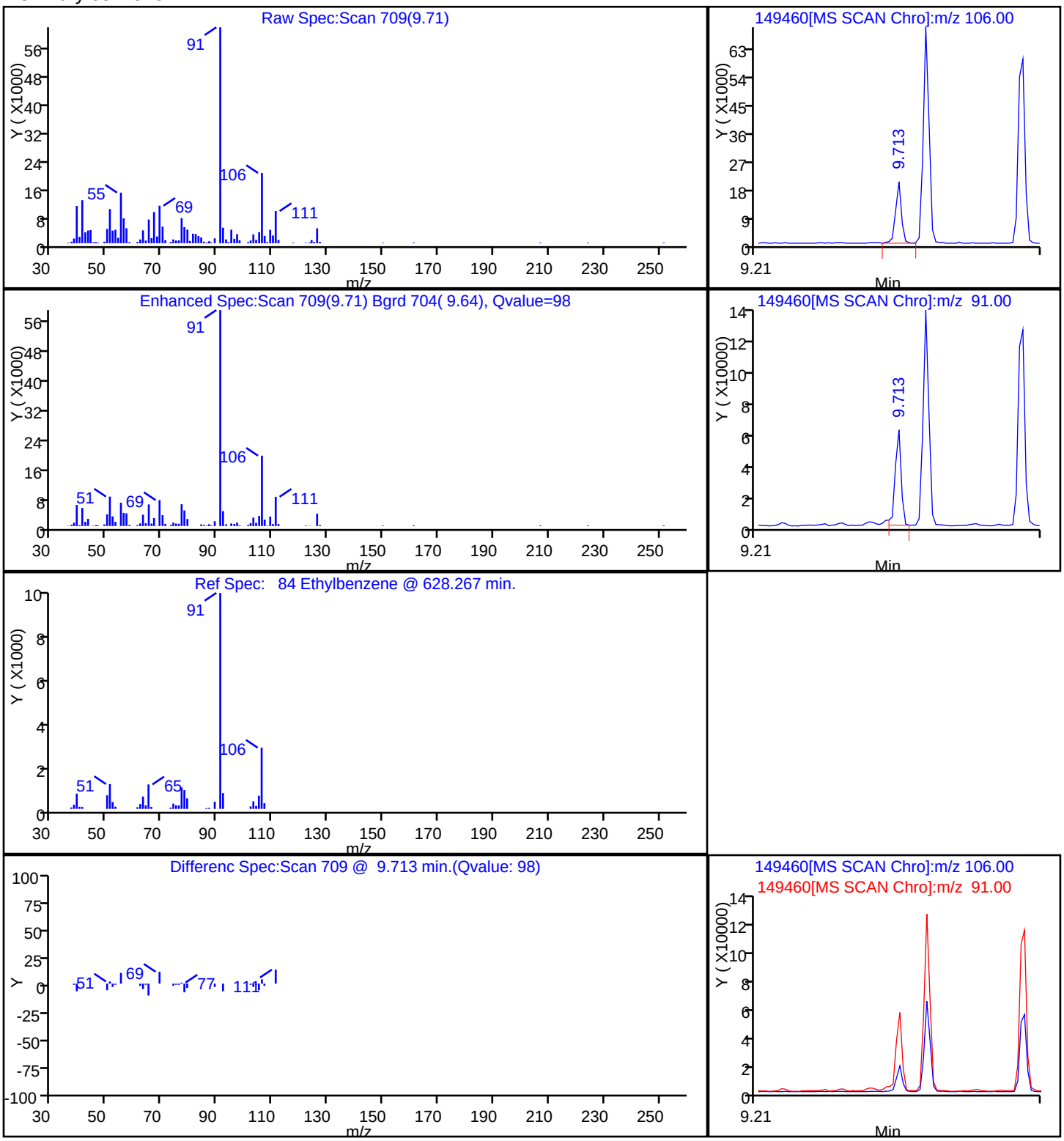


Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D		
Injection Date:	26-Nov-2012 21:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

84 Ethylbenzene



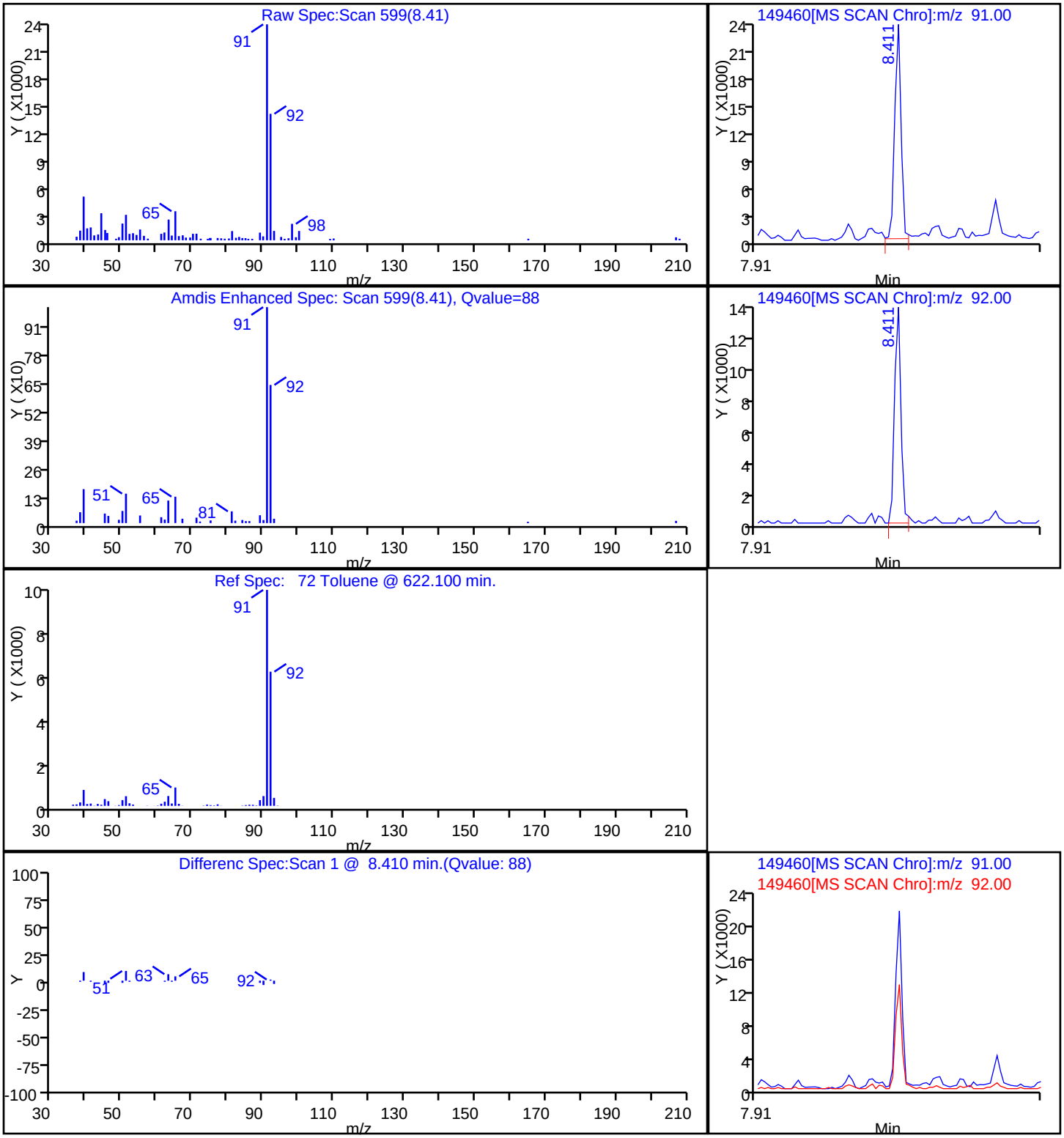
Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D

Injection Date:	26-Nov-2012 21:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

72 Toluene



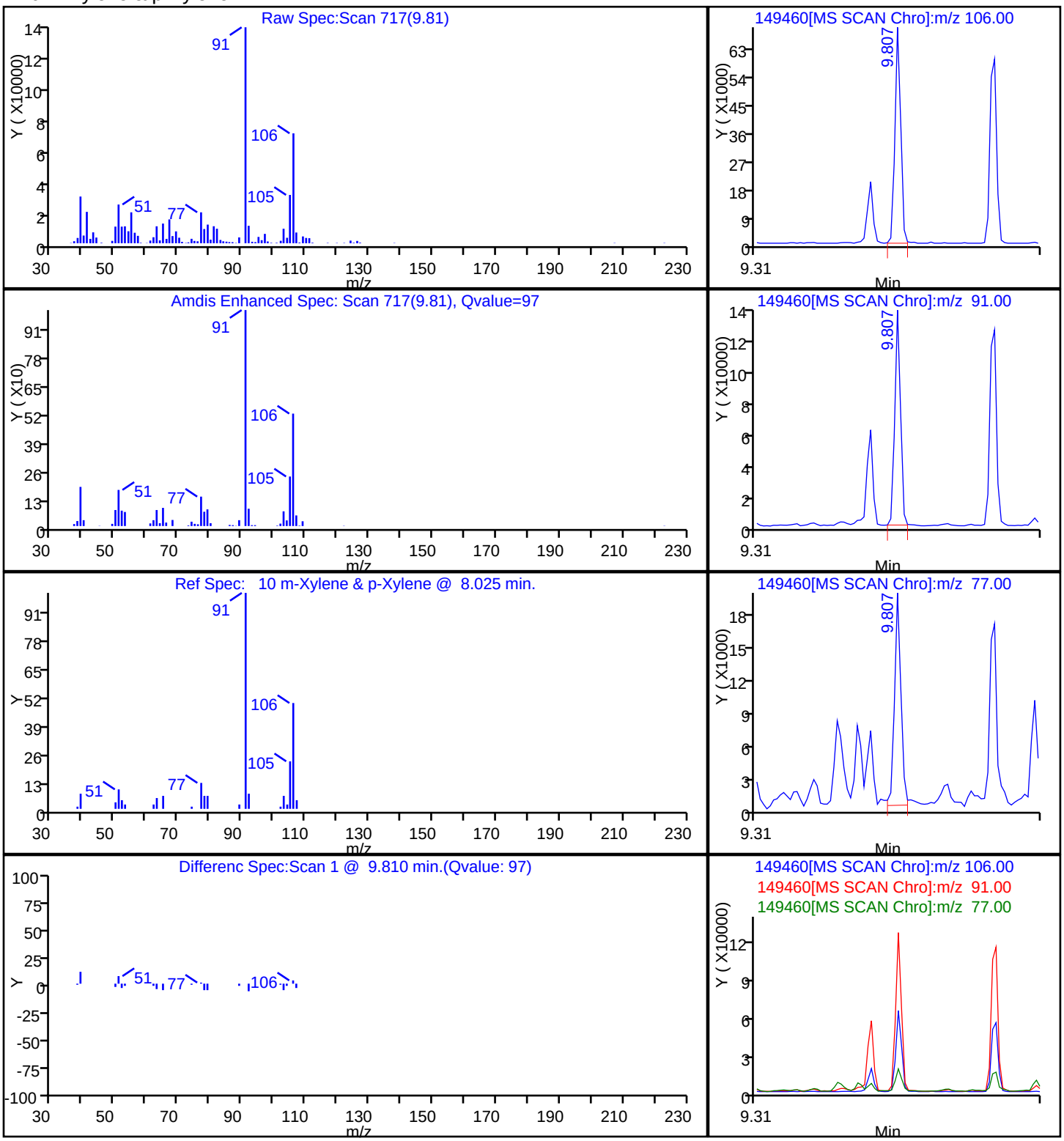
Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D

Injection Date:	26-Nov-2012 21:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

10 m-Xylene & p-Xylene

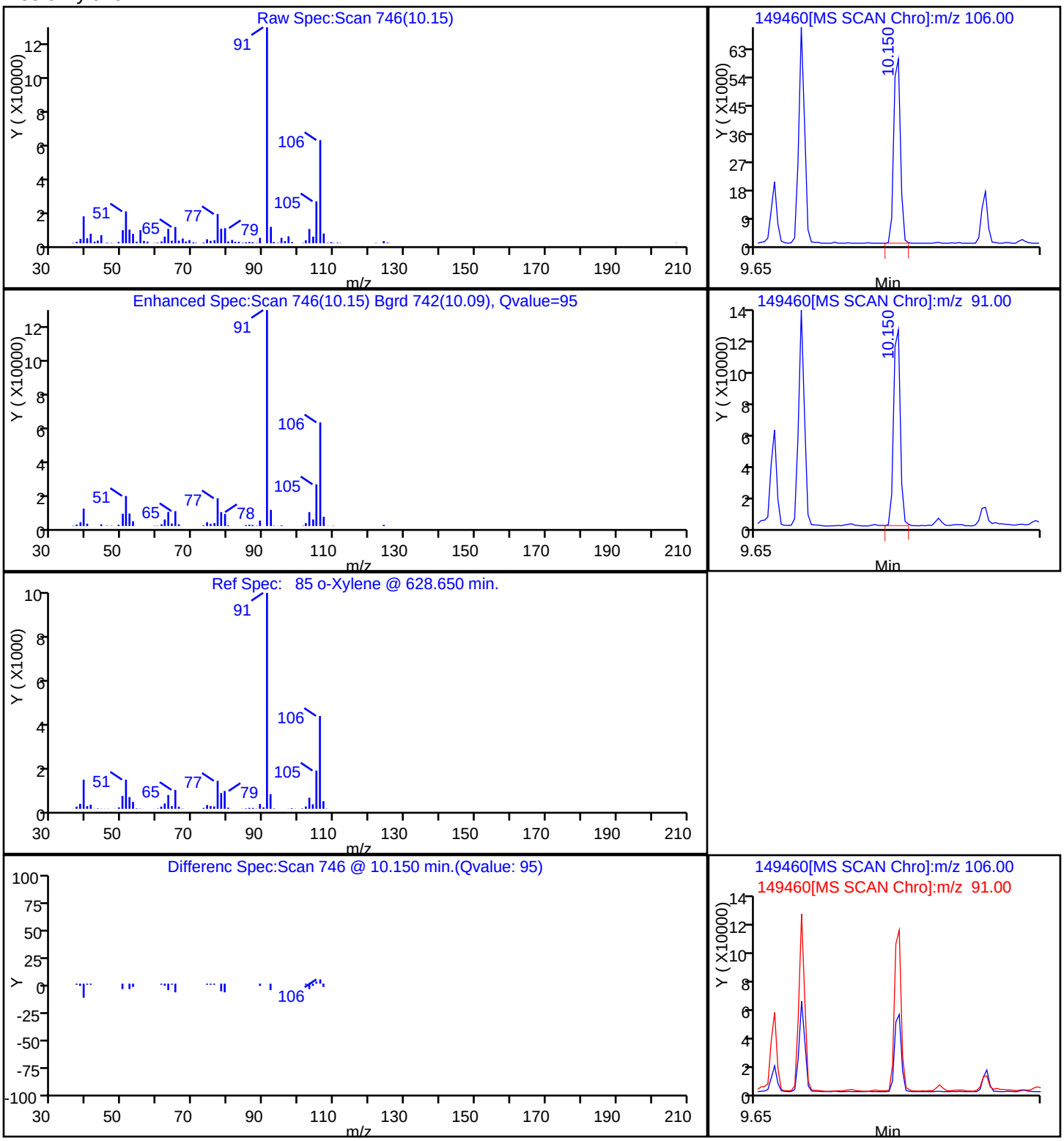


Report Date: 27-Nov-2012 09:28:15 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149460.D		
Injection Date:	26-Nov-2012 21:05:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	27
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

85 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0064M-0001-SO | Lab Sample ID: 240-17796-26

Matrix: Solid | Lab File ID: 149461.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 17:25

Sample wt/vol: 6.823(g) | Date Analyzed: 11/26/2012 21:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.1 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.83	U	4.2	0.83	0.47
79-34-5	1,1,2,2-Tetrachloroethane	0.42	U	4.2	0.42	0.28
79-00-5	1,1,2-Trichloroethane	0.42	U	4.2	0.42	0.33
75-34-3	1,1-Dichloroethane	0.42	U	4.2	0.42	0.30
75-35-4	1,1-Dichloroethene	0.83	U	4.2	0.83	0.43
106-93-4	1,2-Dibromoethane	0.83	U	4.2	0.83	0.42
107-06-2	1,2-Dichloroethane	0.42	U	4.2	0.42	0.28
540-59-0	1,2-Dichloroethene, Total	0.83	U	8.3	0.83	0.64
78-87-5	1,2-Dichloropropane	0.83	U	4.2	0.83	0.58
78-93-3	2-Butanone (MEK)	2.4	J	17	1.7	1.2
591-78-6	2-Hexanone	0.83	U	17	0.83	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	0.83	U	17	0.83	0.45
67-64-1	Acetone	28	B	17	5.3	5.3
71-43-2	Benzene	0.42	U	4.2	0.42	0.19
74-97-5	Bromochloromethane	0.83	U	4.2	0.83	0.59
75-27-4	Bromodichloromethane	0.42	U	4.2	0.42	0.23
75-25-2	Bromoform	0.42	U	4.2	0.42	0.28
74-83-9	Bromomethane	0.83	U	4.2	0.83	0.45
75-15-0	Carbon disulfide	2.6	J	4.2	0.42	0.37
56-23-5	Carbon tetrachloride	0.42	U	4.2	0.42	0.31
108-90-7	Chlorobenzene	0.42	U	4.2	0.42	0.28
75-00-3	Chloroethane	0.83	U	4.2	0.83	0.72
67-66-3	Chloroform	0.42	U	4.2	0.42	0.24
74-87-3	Chloromethane	0.42	U	4.2	0.42	0.34
10061-01-5	cis-1,3-Dichloropropene	0.42	U	4.2	0.42	0.28
124-48-1	Dibromochloromethane	0.83	U	4.2	0.83	0.46
100-41-4	Ethylbenzene	0.42	U	4.2	0.42	0.22
1634-04-4	Methyl tert-butyl ether	0.42	U	4.2	0.42	0.36
75-09-2	Methylene Chloride	0.83	U	4.2	0.83	0.56
100-42-5	Styrene	0.42	U	4.2	0.42	0.13
127-18-4	Tetrachloroethene	0.83	U	4.2	0.83	0.43
108-88-3	Toluene	0.42	U	4.2	0.42	0.23
10061-02-6	trans-1,3-Dichloropropene	0.83	U	4.2	0.83	0.45
79-01-6	Trichloroethene	0.42	U	4.2	0.42	0.35
75-01-4	Vinyl chloride	0.42	U	4.2	0.42	0.33
1330-20-7	Xylenes, Total	1.3	U	8.3	1.3	0.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0064M-0001-SO Lab Sample ID: 240-17796-26

Matrix: Solid Lab File ID: 149461.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 17:25

Sample wt/vol: 6.823(g) Date Analyzed: 11/26/2012 21:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.1 Level: (low/med) Low

Analysis Batch No.: 66239 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)	81		59-138
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149461.D
Lims ID: 240-17796-B-26-A Client ID: 076SB-0064M-0001-SO
Inject. Date: 26-Nov-2012 21:26:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-26-a
Misc. Info.: 240-0015258-028 =240-0015258-028
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 28
Lims Batch ID: 66239 Lims Sample ID: 28
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:08:28

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	2250645	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	97	1313031	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.559	0.012	99	653998	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	58	455622	40.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	668313	48.3	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1880853	45.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	560818	43.0	
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		3.146					
22 Acetone	43	3.264	3.252	0.012	98	128439	33.1	
26 Carbon disulfide	76	3.418	3.418	0.0	82	4746	3.06	
30 Methylene Chloride	84		3.879					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.713	5.702	0.011	39	15662	2.84	
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					
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	66	4723	0.1041	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.885					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		9.808					
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		16.530					

QC Flag Legend

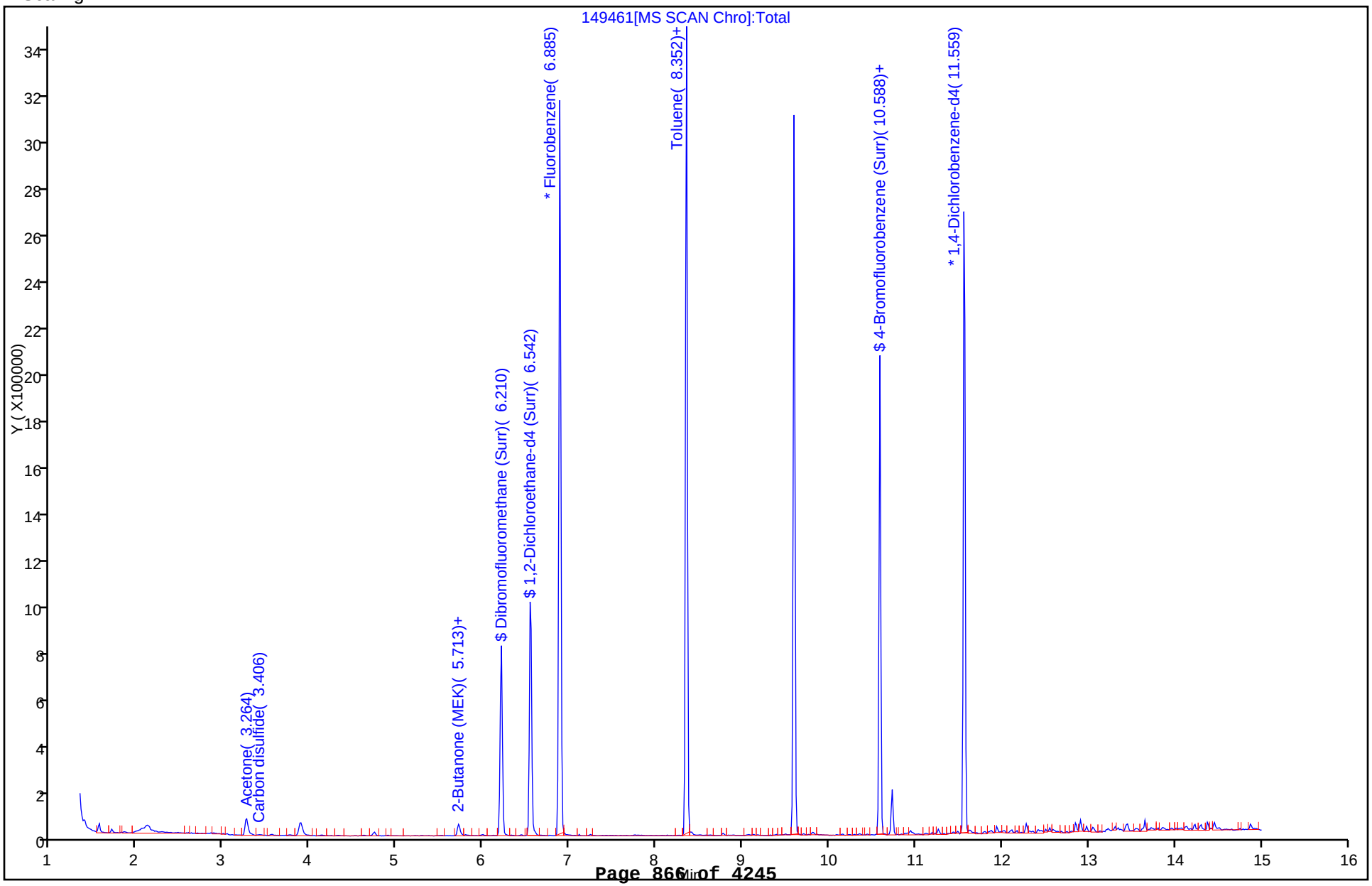
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149461.D		
Injection Date:	26-Nov-2012 21:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0064M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	28
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



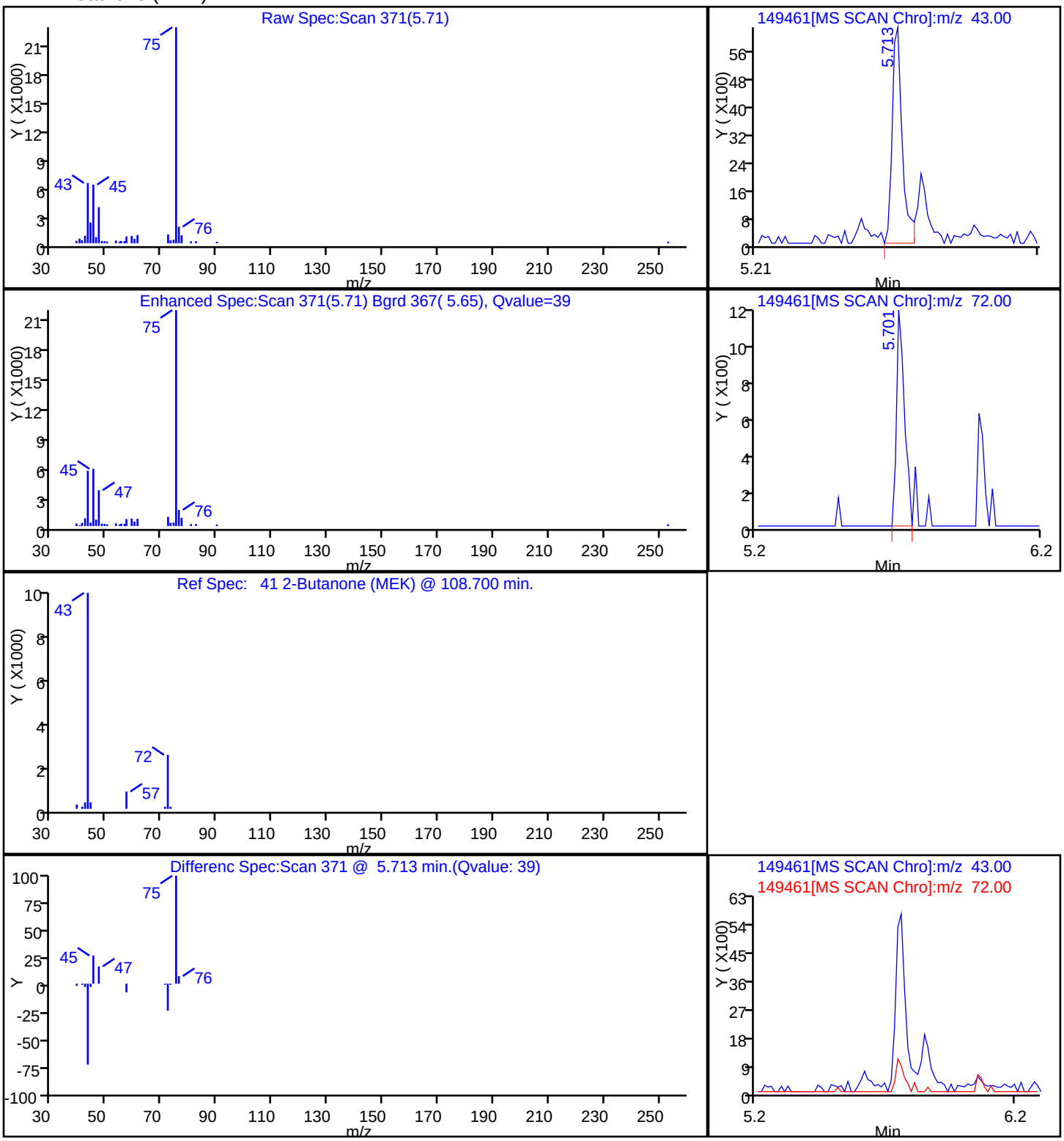
Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149461.D

Injection Date:	26-Nov-2012 21:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0064M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	28
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)

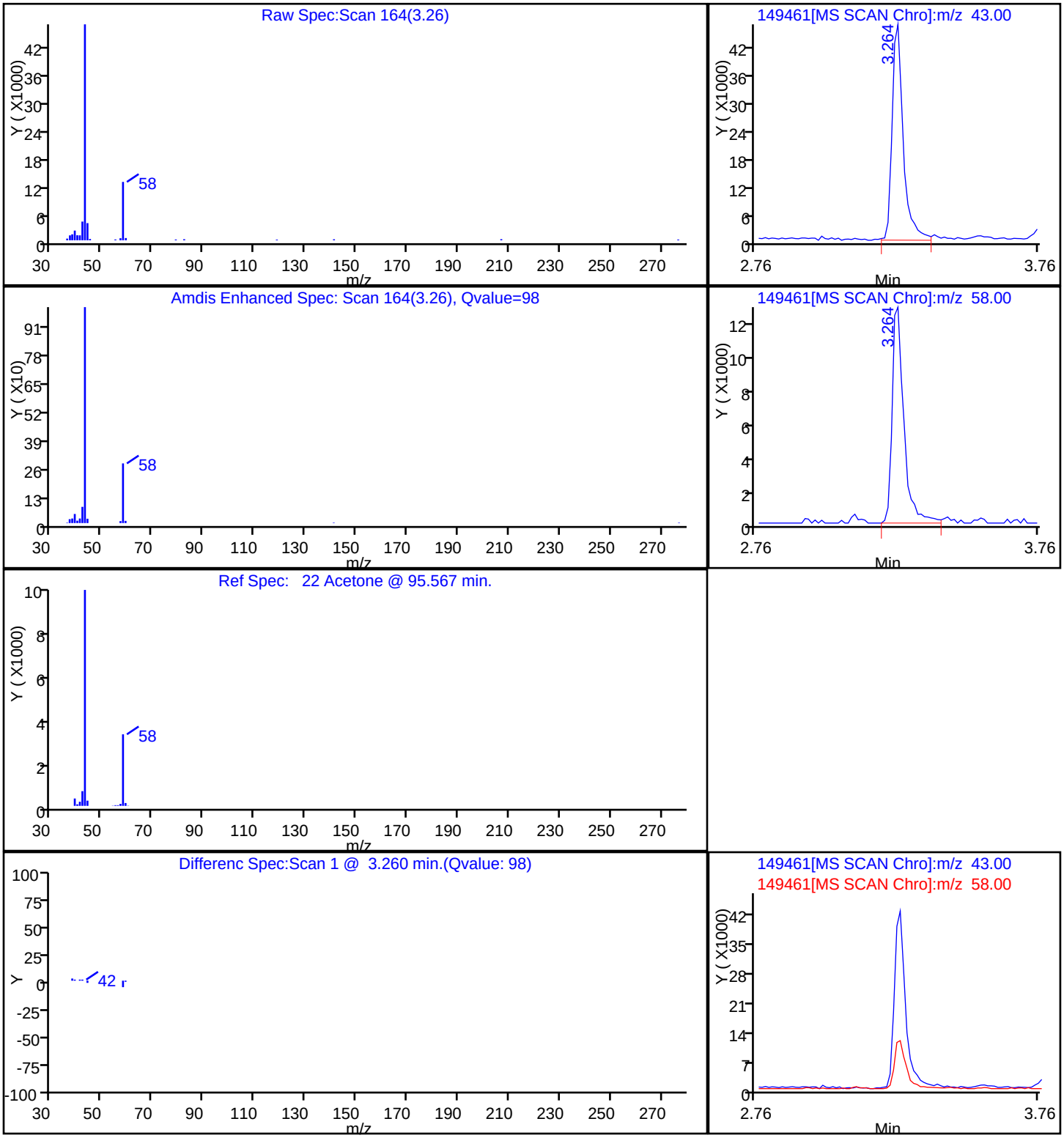


Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149461.D		
Injection Date:	26-Nov-2012 21:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0064M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	28
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone

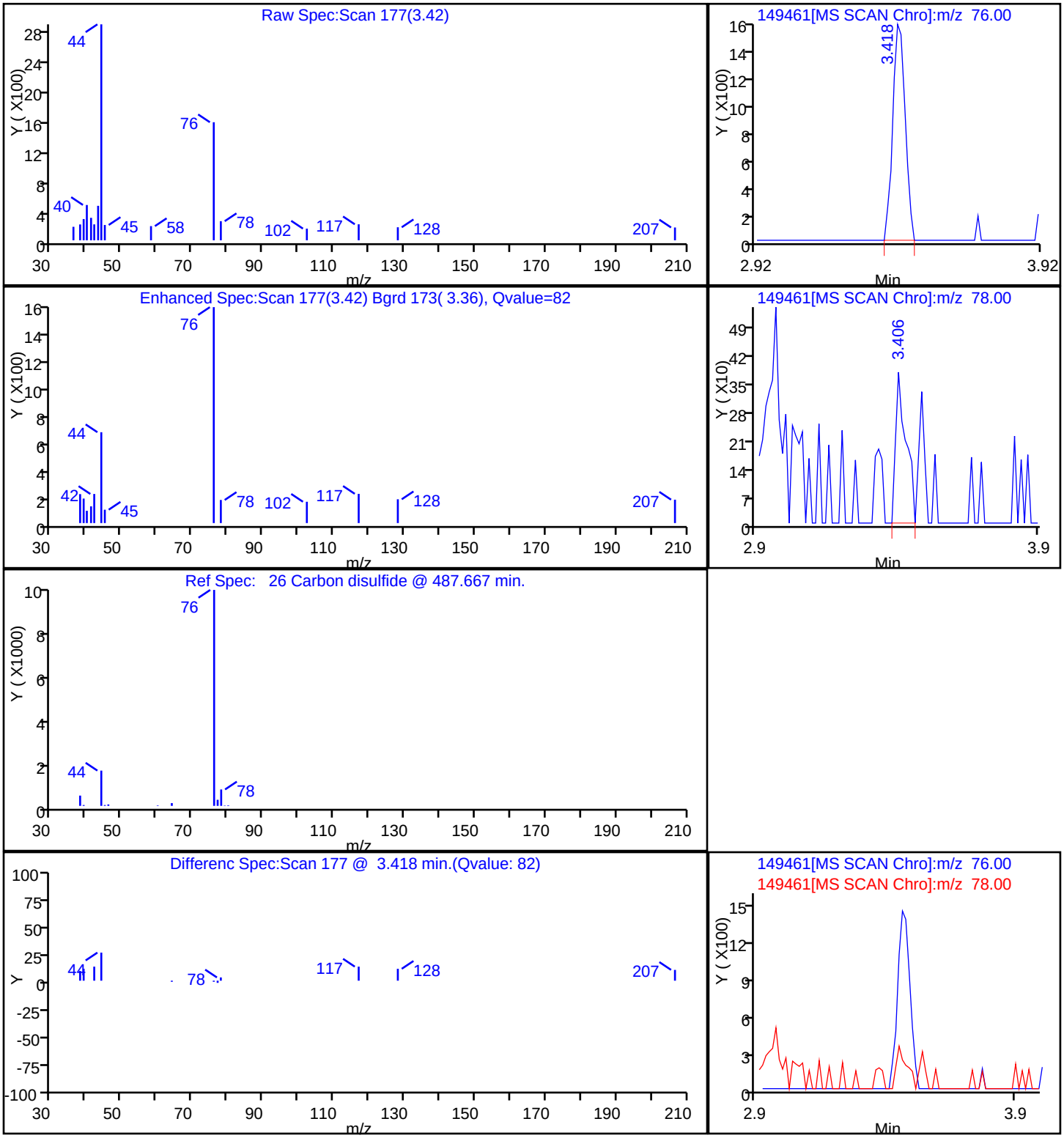


Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149461.D		
Injection Date:	26-Nov-2012 21:26:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0064M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	28
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0065M-0001-SO | Lab Sample ID: 240-17796-27

Matrix: Solid | Lab File ID: 149462.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 17:40

Sample wt/vol: 5.919(g) | Date Analyzed: 11/26/2012 21:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.2 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	1.1	U	5.3	1.1	0.59
79-34-5	1,1,2,2-Tetrachloroethane	0.53	U	5.3	0.53	0.36
79-00-5	1,1,2-Trichloroethane	0.53	U	5.3	0.53	0.41
75-34-3	1,1-Dichloroethane	0.53	U	5.3	0.53	0.38
75-35-4	1,1-Dichloroethene	1.1	U	5.3	1.1	0.55
106-93-4	1,2-Dibromoethane	1.1	U	5.3	1.1	0.53
107-06-2	1,2-Dichloroethane	0.53	U	5.3	0.53	0.36
540-59-0	1,2-Dichloroethene, Total	1.1	U	11	1.1	0.81
78-87-5	1,2-Dichloropropane	1.1	U	5.3	1.1	0.73
78-93-3	2-Butanone (MEK)	1.7	J	21	2.1	1.5
591-78-6	2-Hexanone	1.1	U	21	1.1	0.67
108-10-1	4-Methyl-2-pentanone (MIBK)	1.1	U	21	1.1	0.57
67-64-1	Acetone	15	J B	21	6.7	6.7
71-43-2	Benzene	0.53	U	5.3	0.53	0.24
74-97-5	Bromochloromethane	1.1	U	5.3	1.1	0.75
75-27-4	Bromodichloromethane	0.53	U	5.3	0.53	0.30
75-25-2	Bromoform	0.53	U	5.3	0.53	0.35
74-83-9	Bromomethane	1.1	U	5.3	1.1	0.57
75-15-0	Carbon disulfide	3.2	J	5.3	0.53	0.47
56-23-5	Carbon tetrachloride	0.53	U	5.3	0.53	0.39
108-90-7	Chlorobenzene	0.53	U	5.3	0.53	0.35
75-00-3	Chloroethane	1.1	U	5.3	1.1	0.91
67-66-3	Chloroform	0.53	U	5.3	0.53	0.31
74-87-3	Chloromethane	0.53	U	5.3	0.53	0.43
10061-01-5	cis-1,3-Dichloropropene	0.53	U	5.3	0.53	0.36
124-48-1	Dibromochloromethane	1.1	U	5.3	1.1	0.58
100-41-4	Ethylbenzene	0.53	U	5.3	0.53	0.28
1634-04-4	Methyl tert-butyl ether	0.53	U	5.3	0.53	0.45
75-09-2	Methylene Chloride	1.1	U	5.3	1.1	0.71
100-42-5	Styrene	0.53	U	5.3	0.53	0.16
127-18-4	Tetrachloroethene	1.1	U	5.3	1.1	0.55
108-88-3	Toluene	0.53	U	5.3	0.53	0.29
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.3	1.1	0.57
79-01-6	Trichloroethene	0.53	U	5.3	0.53	0.44
75-01-4	Vinyl chloride	0.53	U	5.3	0.53	0.41
1330-20-7	Xylenes, Total	1.6	U	11	1.6	0.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0065M-0001-SO Lab Sample ID: 240-17796-27

Matrix: Solid Lab File ID: 149462.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 17:40

Sample wt/vol: 5.919(g) Date Analyzed: 11/26/2012 21:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 20.2 Level: (low/med) Low

Analysis Batch No.: 66239 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-130
460-00-4	4-Bromofluorobenzene (Surr)	87		85-120
1868-53-7	Dibromofluoromethane (Surr)	79		59-138
2037-26-5	Toluene-d8 (Surr)	93		85-115

Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149462.D
Lims ID: 240-17796-B-27-A Client ID: 076SB-0065M-0001-SO
Inject. Date: 26-Nov-2012 21:48:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-b-27-a
Misc. Info.: 240-0015258-029 =240-0015258-029
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 29
Lims Batch ID: 66239 Lims Sample ID: 29
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:08:43

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	2222191	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	90	1258503	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.559	0.012	99	591949	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	71	436019	39.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	601966	44.0	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1815777	46.3	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	89	515804	43.7	
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		3.146					
22 Acetone	43	3.252	3.252	0.0	92	67356	14.5	
26 Carbon disulfide	76	3.418	3.418	0.0	78	2952	3.00	
30 Methylene Chloride	84		3.879					
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.713	5.702	0.011	29	8612	1.58	
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	2815	0.2156	
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	83	9396	0.2160	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164	8.885	8.885	0.0	58	1004	0.1041	
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	55	856	0.0583	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	91	2827	0.1577	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					
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		0.1577	

QC Flag Legend

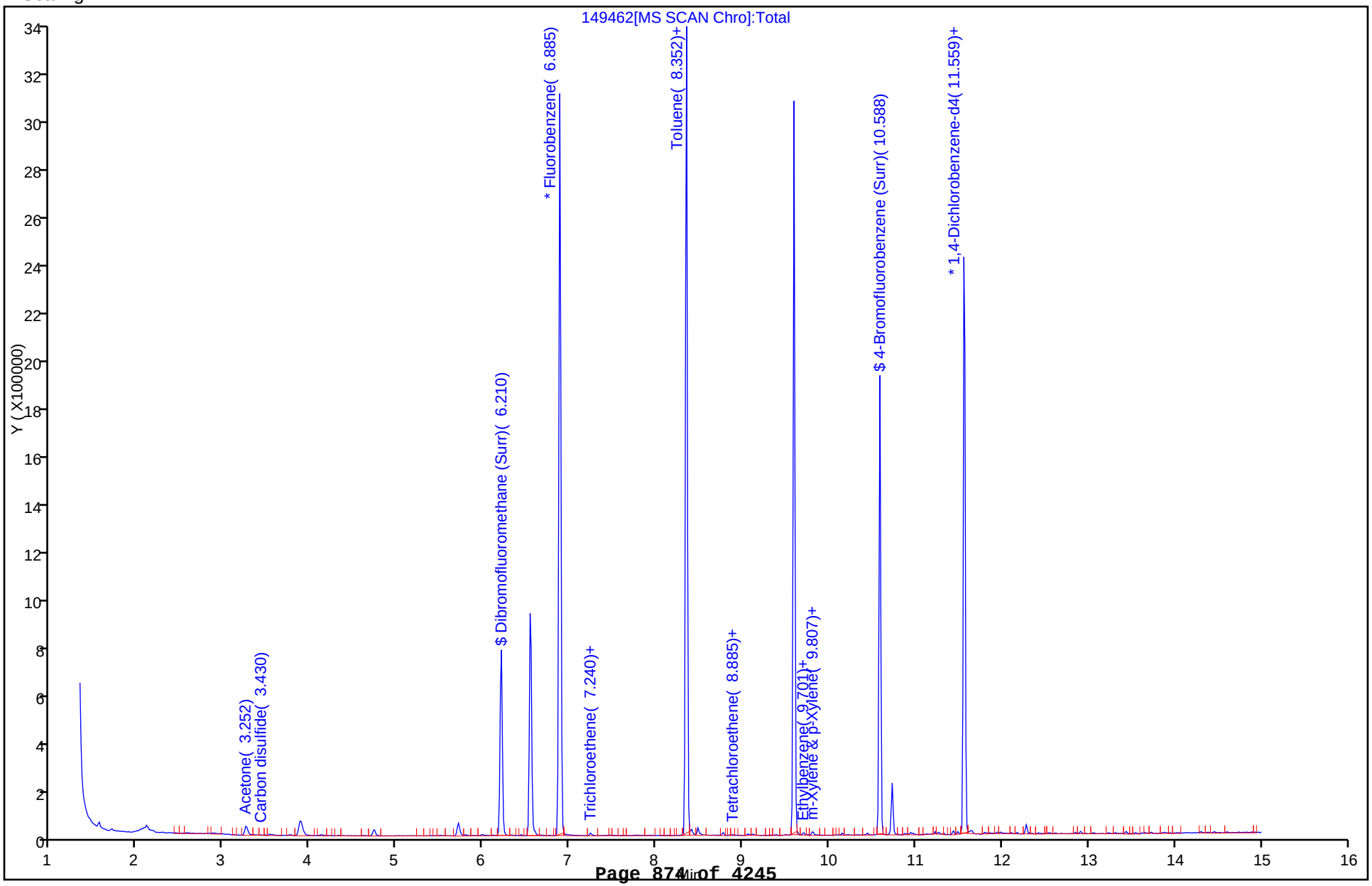
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149462.D		
Injection Date:	26-Nov-2012 21:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	29
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



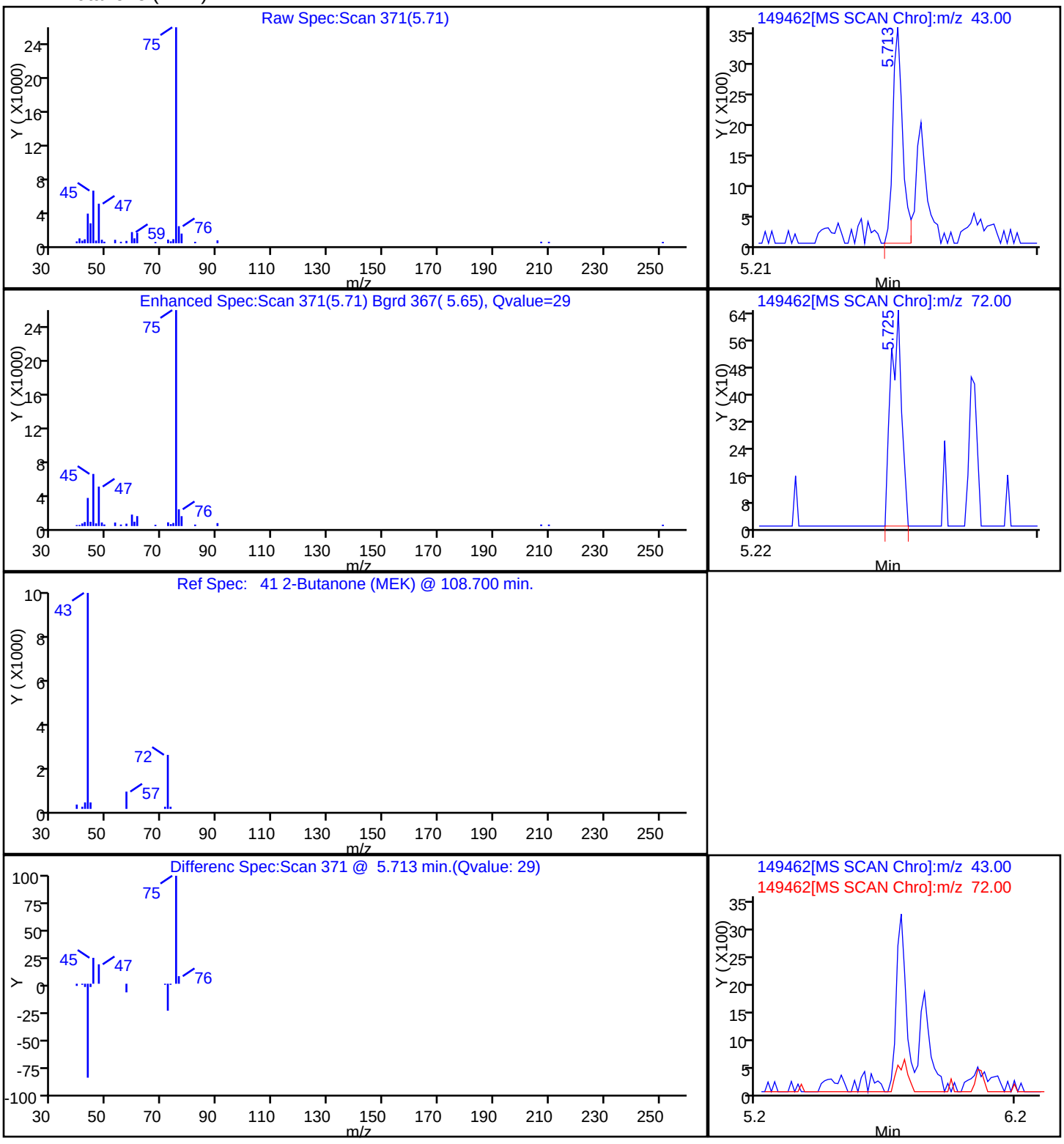
Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149462.D

Injection Date:	26-Nov-2012 21:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	29
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



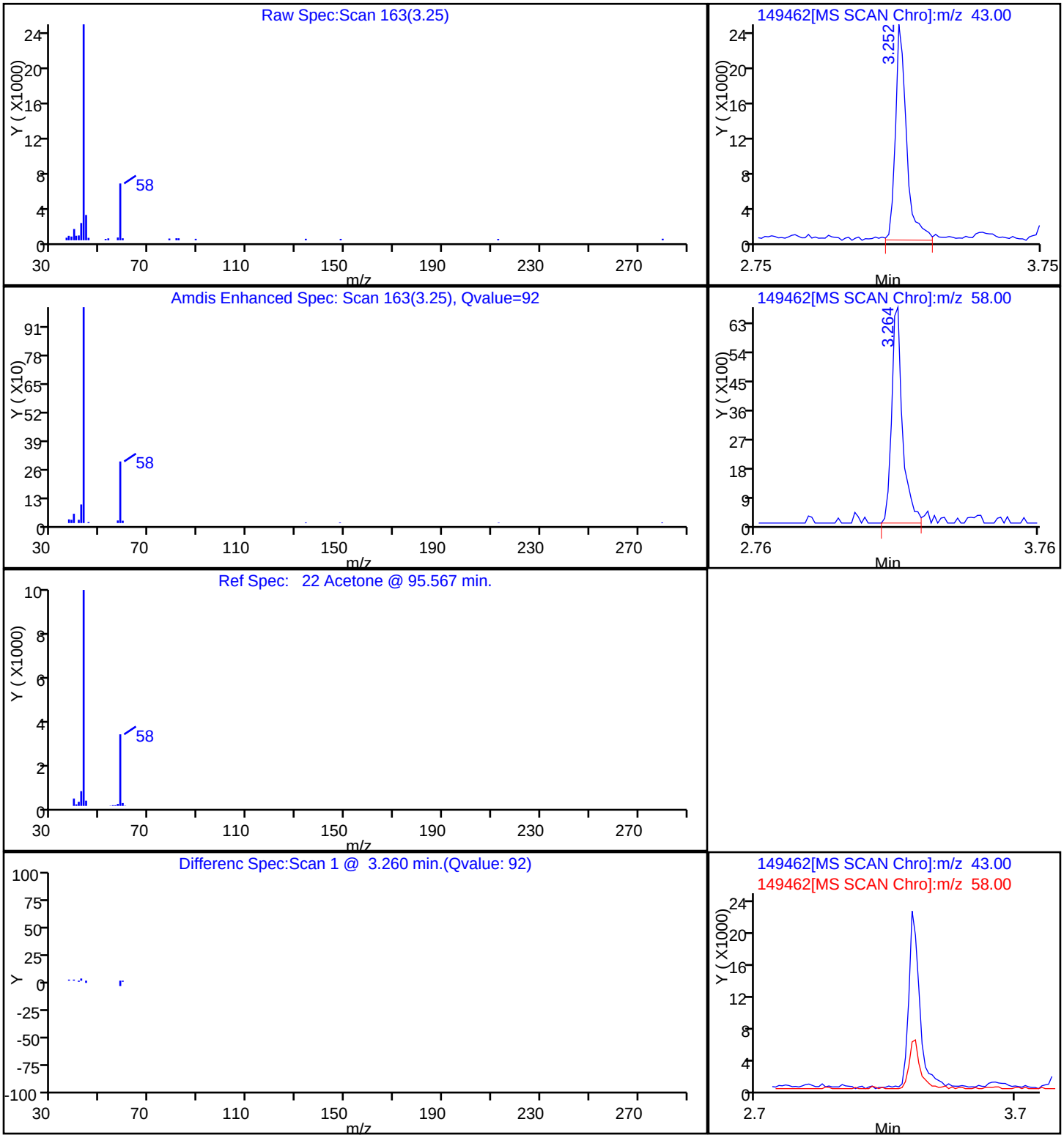
Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149462.D

Injection Date:	26-Nov-2012 21:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	29
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



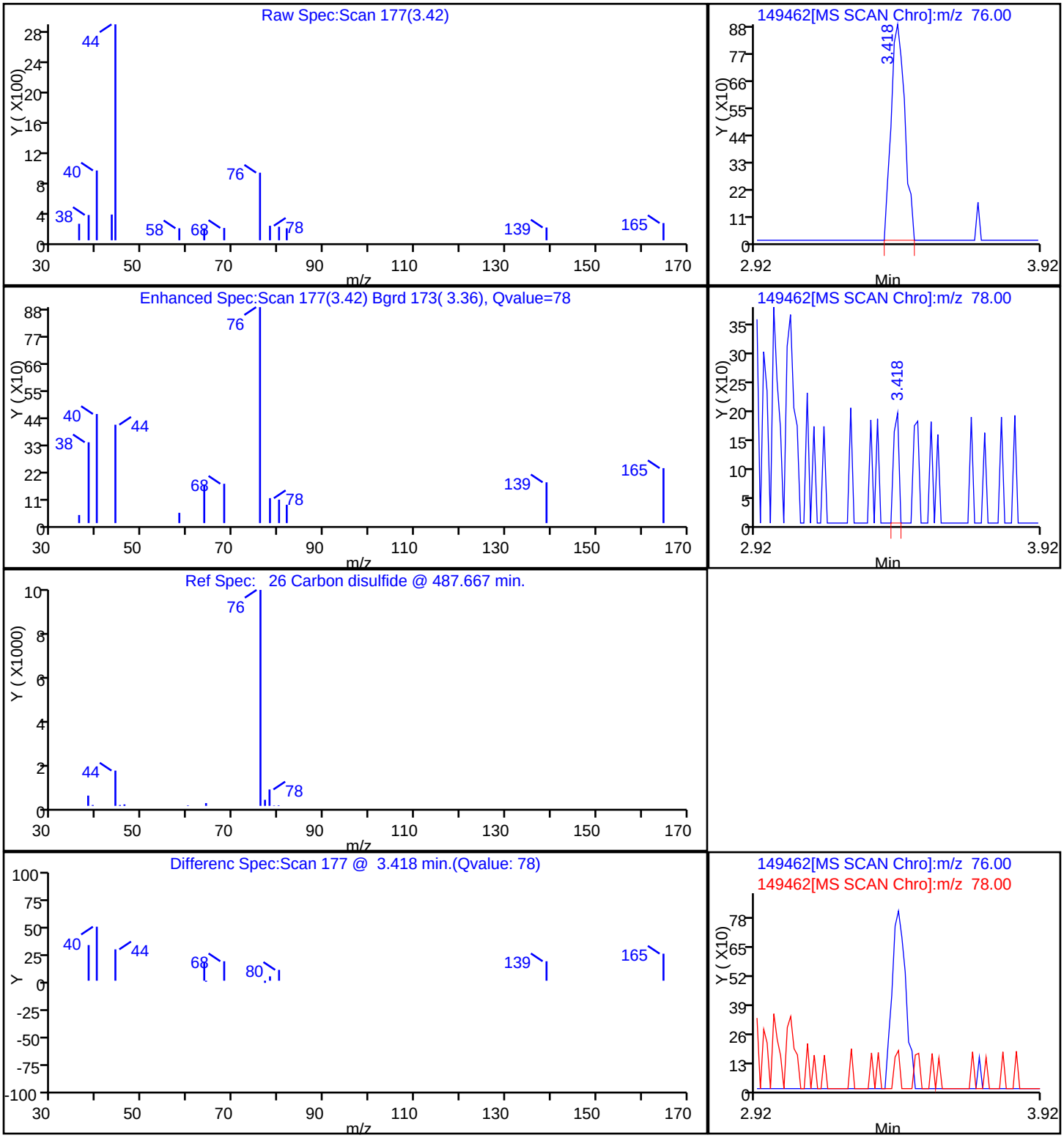
Report Date: 27-Nov-2012 09:28:16 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149462.D

Injection Date:	26-Nov-2012 21:48:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	29
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0066M-0001-SO | Lab Sample ID: 240-17796-28

Matrix: Solid | Lab File ID: 149463.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 16:50

Sample wt/vol: 6.85(g) | Date Analyzed: 11/26/2012 22:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.8 | Level: (low/med) Low

Analysis Batch No.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.91	U	4.6	0.91	0.51
79-34-5	1,1,2,2-Tetrachloroethane	0.46	U	4.6	0.46	0.31
79-00-5	1,1,2-Trichloroethane	0.46	U	4.6	0.46	0.36
75-34-3	1,1-Dichloroethane	0.46	U	4.6	0.46	0.33
75-35-4	1,1-Dichloroethene	0.91	U	4.6	0.91	0.47
106-93-4	1,2-Dibromoethane	0.91	U	4.6	0.91	0.46
107-06-2	1,2-Dichloroethane	0.46	U	4.6	0.46	0.31
540-59-0	1,2-Dichloroethene, Total	0.91	U	9.1	0.91	0.70
78-87-5	1,2-Dichloropropane	0.91	U	4.6	0.91	0.63
78-93-3	2-Butanone (MEK)	7.3	J	18	1.8	1.3
591-78-6	2-Hexanone	0.91	U	18	0.91	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	0.91	U	18	0.91	0.49
67-64-1	Acetone	66	B	18	5.7	5.7
71-43-2	Benzene	0.46	U	4.6	0.46	0.21
74-97-5	Bromochloromethane	0.91	U	4.6	0.91	0.65
75-27-4	Bromodichloromethane	0.46	U	4.6	0.46	0.25
75-25-2	Bromoform	0.46	U	4.6	0.46	0.30
74-83-9	Bromomethane	0.91	U	4.6	0.91	0.49
75-15-0	Carbon disulfide	0.46	U	4.6	0.46	0.40
56-23-5	Carbon tetrachloride	0.46	U	4.6	0.46	0.34
108-90-7	Chlorobenzene	0.46	U	4.6	0.46	0.30
75-00-3	Chloroethane	0.91	U	4.6	0.91	0.78
67-66-3	Chloroform	0.46	U	4.6	0.46	0.26
74-87-3	Chloromethane	0.46	U	4.6	0.46	0.37
10061-01-5	cis-1,3-Dichloropropene	0.46	U	4.6	0.46	0.31
124-48-1	Dibromochloromethane	0.91	U	4.6	0.91	0.50
100-41-4	Ethylbenzene	0.46	U	4.6	0.46	0.24
1634-04-4	Methyl tert-butyl ether	0.46	U	4.6	0.46	0.39
75-09-2	Methylene Chloride	0.91	J	4.6	0.91	0.61
100-42-5	Styrene	0.46	U	4.6	0.46	0.14
127-18-4	Tetrachloroethene	0.91	U	4.6	0.91	0.47
108-88-3	Toluene	0.46	U	4.6	0.46	0.25
10061-02-6	trans-1,3-Dichloropropene	0.91	U	4.6	0.91	0.49
79-01-6	Trichloroethene	0.46	U	4.6	0.46	0.38
75-01-4	Vinyl chloride	0.46	U	4.6	0.46	0.36
1330-20-7	Xylenes, Total	1.4	U	9.1	1.4	0.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0066M-0001-SO Lab Sample ID: 240-17796-28

Matrix: Solid Lab File ID: 149463.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 16:50

Sample wt/vol: 6.85(g) Date Analyzed: 11/26/2012 22:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 19.8 Level: (low/med) Low

Analysis Batch No.: 66239 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)	91		85-120
1868-53-7	Dibromofluoromethane (Surr)	80		59-138
2037-26-5	Toluene-d8 (Surr)	93		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149463.D
Lims ID: 240-17796-D-28-A Client ID: 076SB-0066M-0001-SO
Inject. Date: 26-Nov-2012 22:09:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-17796-d-28-a
Misc. Info.: 240-0015258-030 =240-0015258-030
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 30
Lims Batch ID: 66239 Lims Sample ID: 30
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:09:07

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	2130984	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	91	1227143	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.559	0.011	99	559984	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	74	422916	39.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	91	612842	46.8	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	1787552	46.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	506366	45.4	
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		3.146					9
22 Acetone	43	3.264	3.252	0.012	98	241257	72.1	
26 Carbon disulfide	76		3.418					9
30 Methylene Chloride	84	3.891	3.879	0.012	88	49370	1.00	
33 trans-1,2-Dichloroethene	96		4.317					
34 Methyl tert-butyl ether	73		4.353					
36 1,1-Dichloroethane	63		4.921					
42 cis-1,2-Dichloroethene	96		5.654					
41 2-Butanone (MEK)	43	5.701	5.702	-0.001	88	41544	7.97	
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					9
55 Benzene	78		6.601					9
56 1,2-Dichloroethane	62		6.624					
60 Trichloroethene	130	7.240	7.240	0.0	74	2591	0.2069	
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	85	9710	0.2290	
73 trans-1,3-Dichloropropene	75		8.601					
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.885					
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	9.701	9.713	-0.012	29	931	0.0651	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	84	2898	0.1658	
85 o-Xylene	106		10.151					
86 Styrene	104		10.151					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		0.1658	

QC Flag Legend

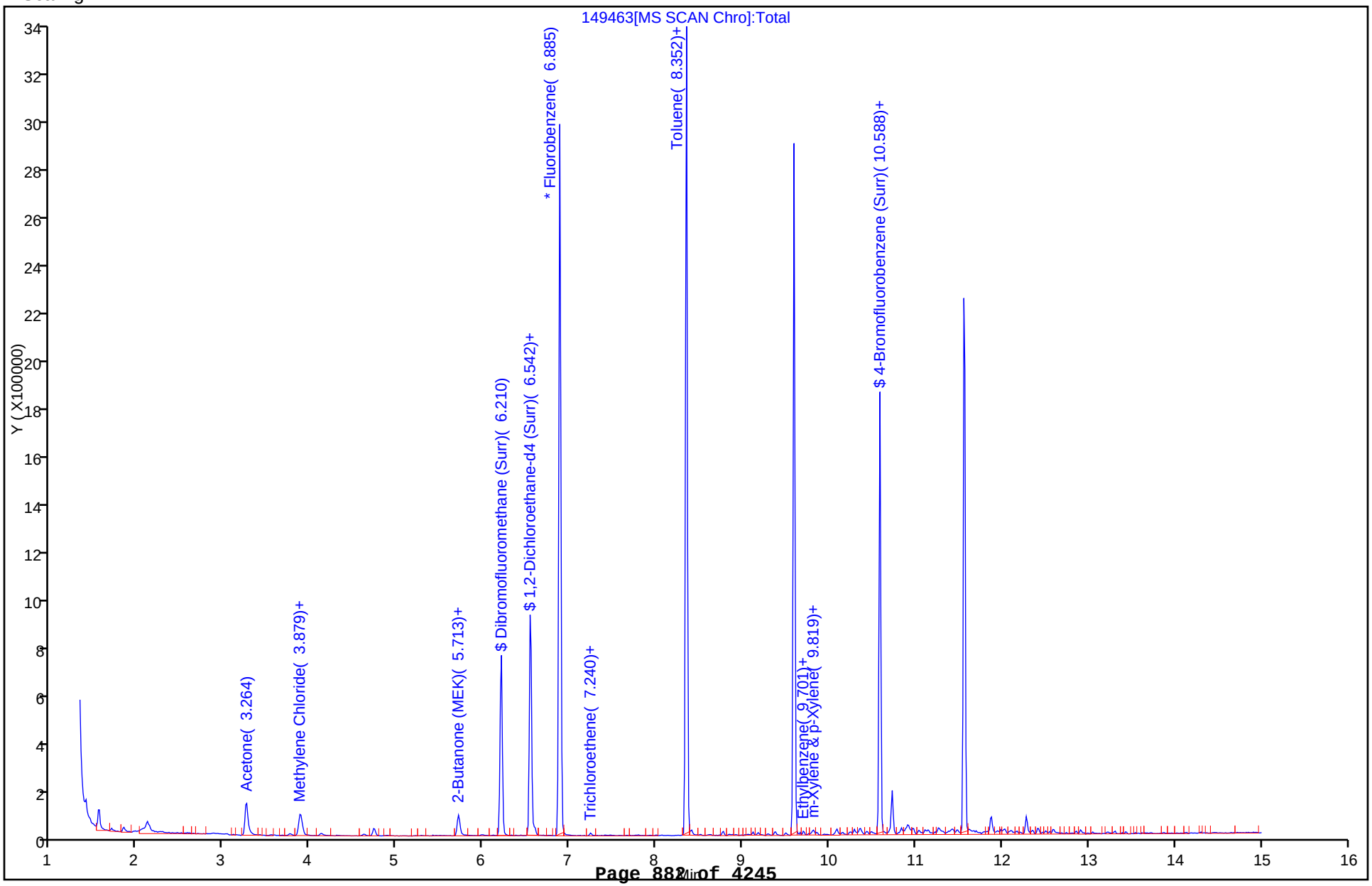
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 27-Nov-2012 09:28:17 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149463.D		
Injection Date:	26-Nov-2012 22:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	30
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



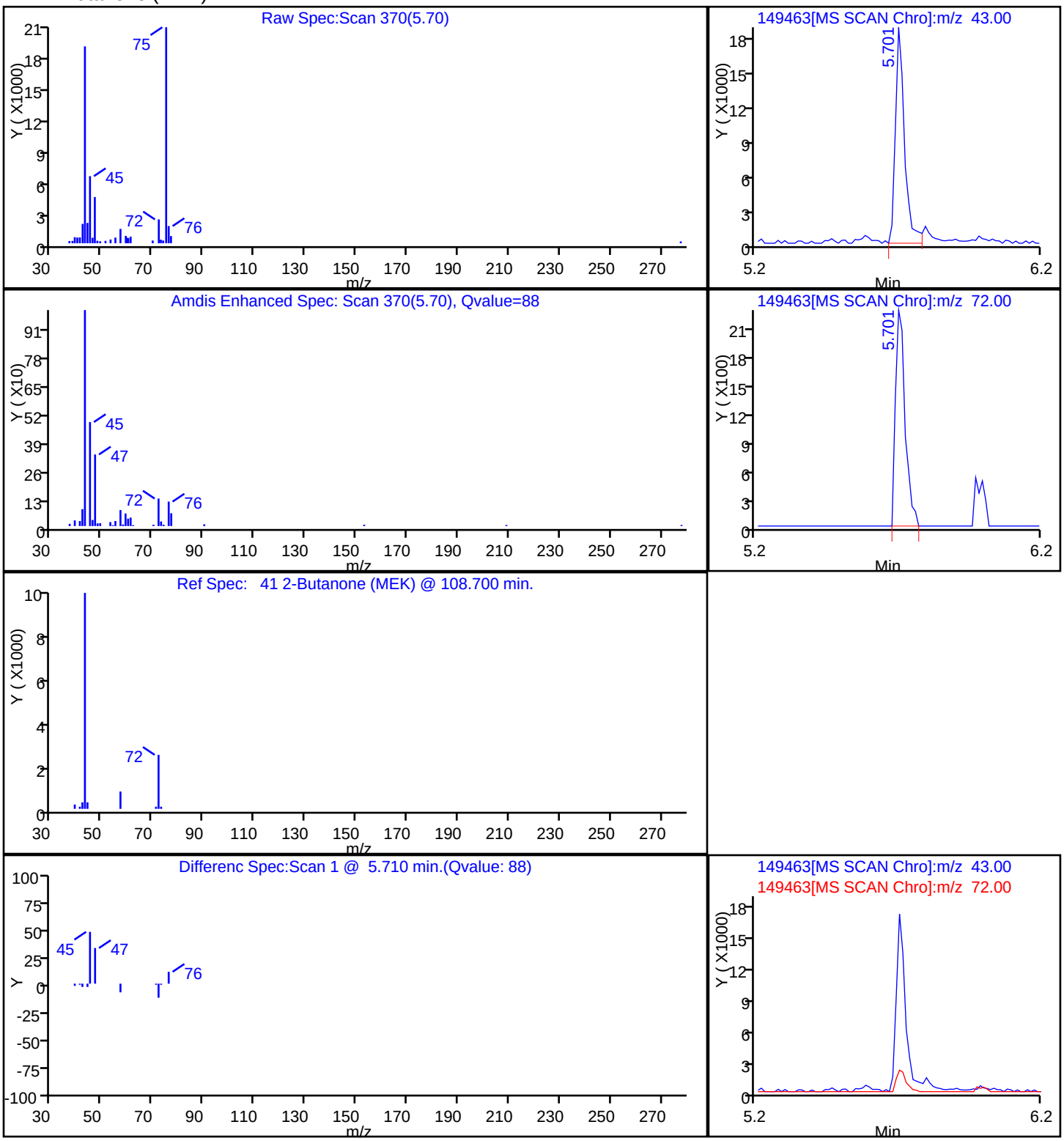
Report Date: 27-Nov-2012 09:28:17 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149463.D

Injection Date:	26-Nov-2012 22:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	30
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

41 2-Butanone (MEK)



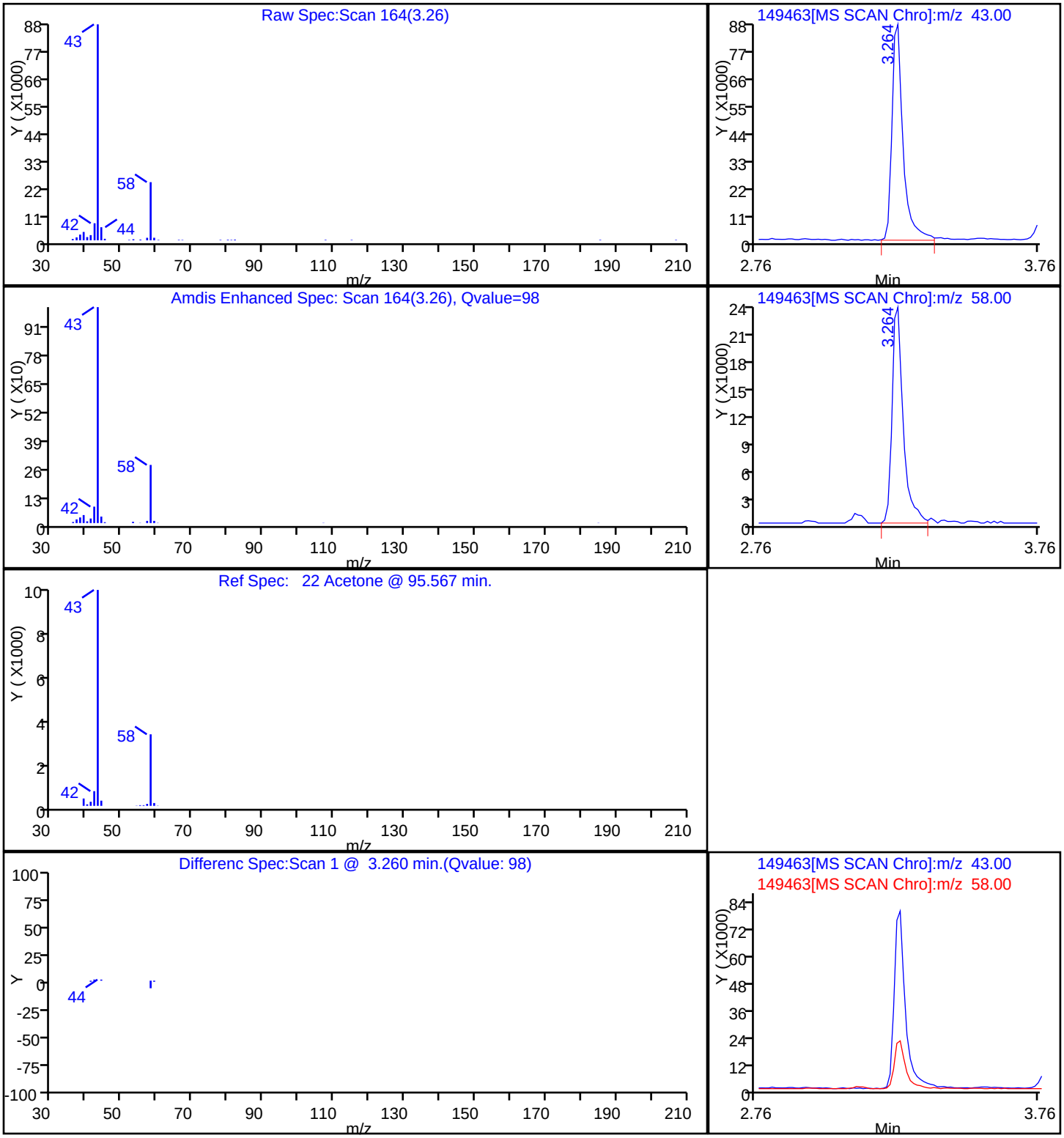
Report Date: 27-Nov-2012 09:28:17 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149463.D

Injection Date:	26-Nov-2012 22:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	30
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

22 Acetone



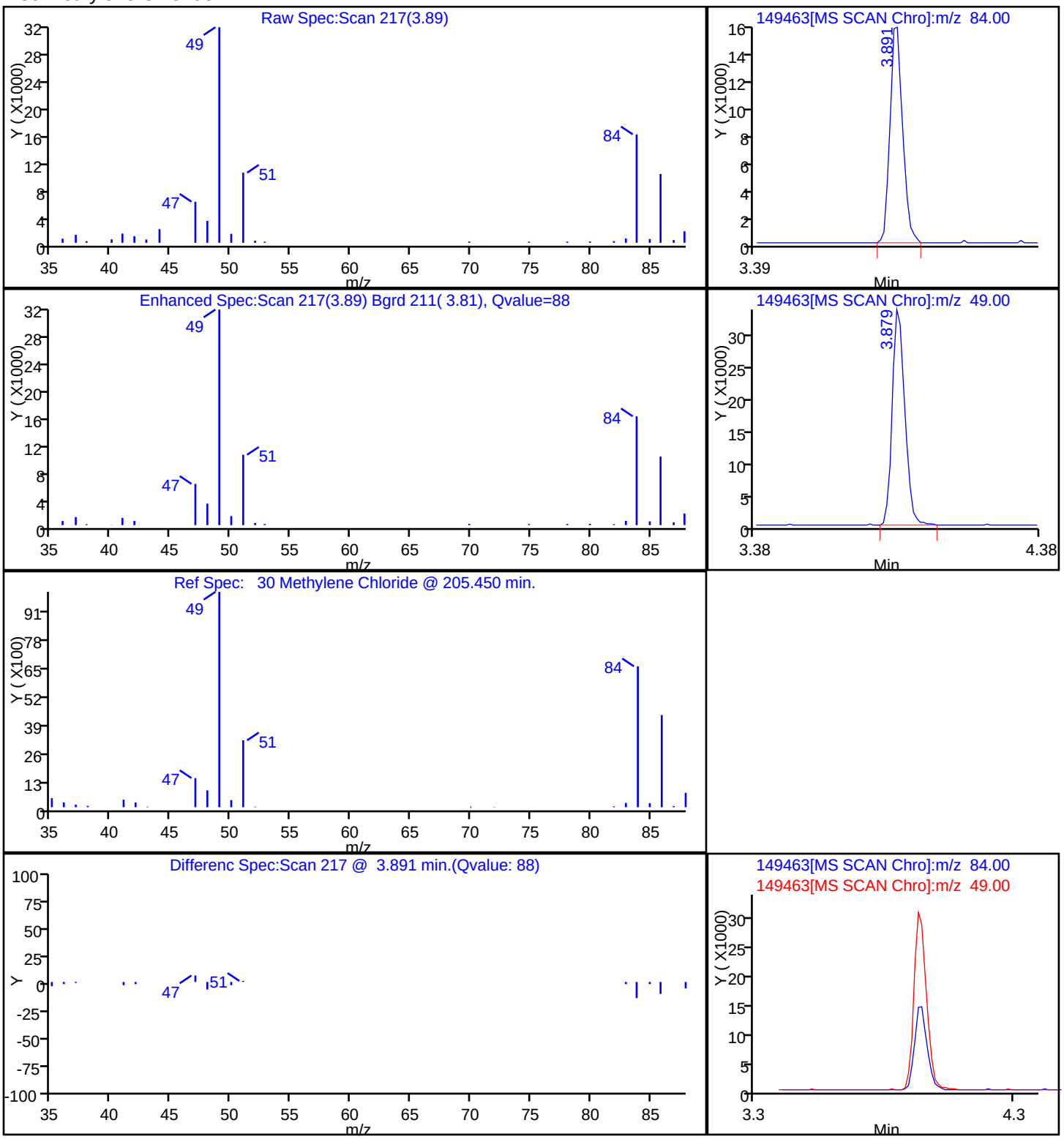
Report Date: 27-Nov-2012 09:28:17 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149463.D

Injection Date:	26-Nov-2012 22:09:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	30
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0052-0001-TB | Lab Sample ID: 240-17796-37

Matrix: Water | Lab File ID: UXX1139.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 14:54

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	0.77	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0052-0001-TB Lab Sample ID: 240-17796-37

Matrix: Water Lab File ID: UXX1139.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 14:54

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)	99		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-120
460-00-4	4-Bromofluorobenzene (Surr)	75		75-120
1868-53-7	Dibromofluoromethane (Surr)	103		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1139.D
Lims ID: 240-17796-A-37 Client ID: 076SB-0052-0001-TB
Inject. Date: 21-Nov-2012 14:54:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015165-013
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 65929 Lims Sample ID: 13
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 15:18:36

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	1784536	10.0	
* 2 Chlorobenzene-d5	117	7.879	7.881	-0.002	85	1119312	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.127	10.129	-0.002	93	499669	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.637	4.626	0.011	59	505655	10.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.921	4.922	-0.001	0	618460	10.8	
$ 7 Toluene-d8 (Surr)	98	6.566	6.567	-0.001	93	1748131	9.92	
$ 8 4-Bromofluorobenzene (Surr)	95	8.991	8.993	-0.002	90	437924	7.52	
13 Chloromethane	50		1.704					
14 Vinyl chloride	62		1.798					
16 Bromomethane	94		2.094					9
17 Chloroethane	64		2.177					9
23 1,1-Dichloroethene	96		2.804					
24 Acetone	43		2.828					
27 Carbon disulfide	76		3.005					9
31 Methylene Chloride	84	3.193	3.195	-0.002	84	47652	0.7737	
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					
43 cis-1,2-Dichloroethene	96		4.248					
48 Chlorobromomethane	128		4.437					
50 Chloroform	83		4.496					
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					
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					
78 Tetrachloroethene	164		7.135					9
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					9
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

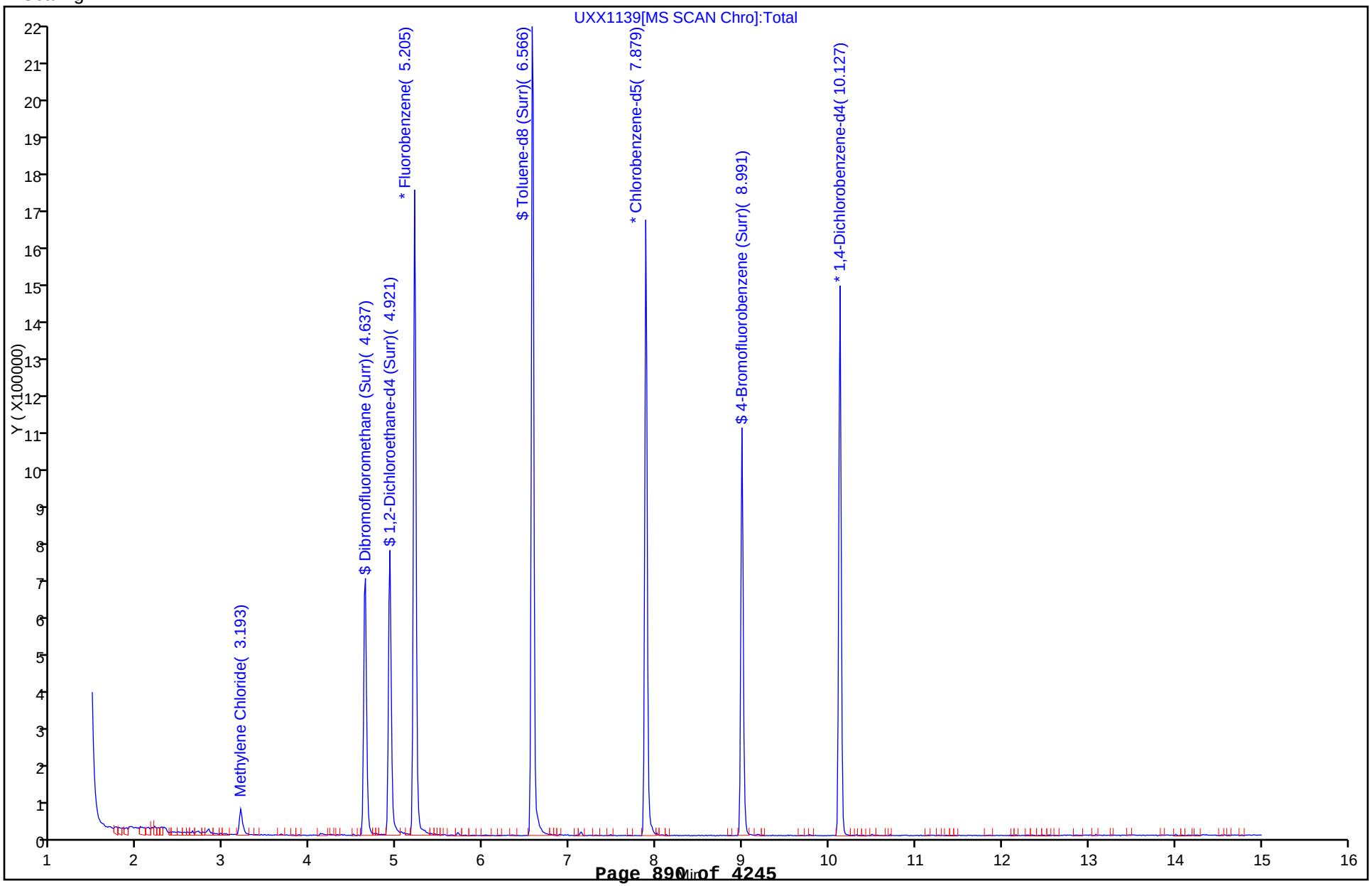
Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

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\UXX1139.D		
Injection Date:	21-Nov-2012 14:54:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0052-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	13
Operator ID:	1904	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



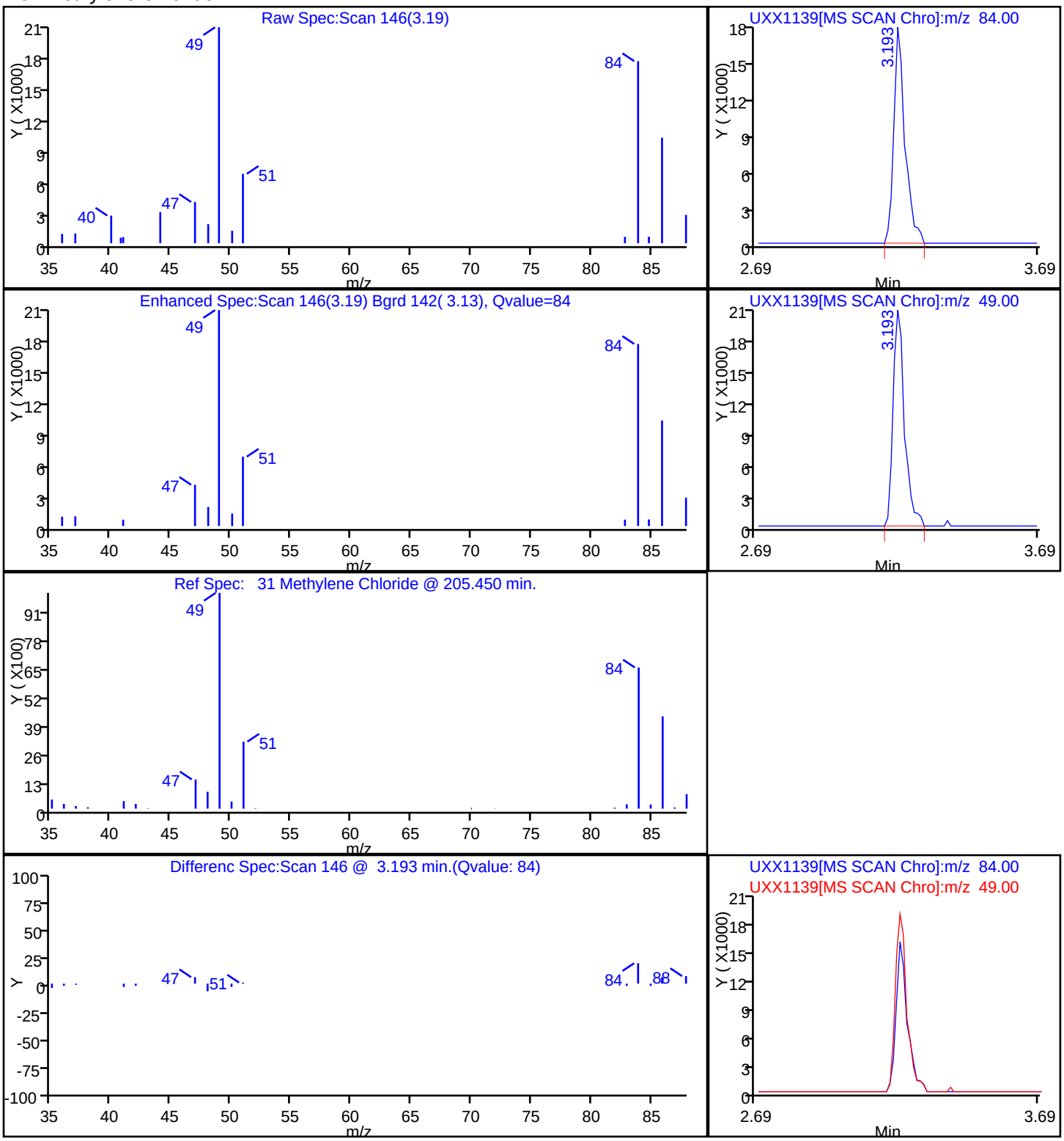
Report Date: 23-Nov-2012 08:56:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1139.D

Injection Date:	21-Nov-2012 14:54:30	Limit Group:	MSV 8260DOD ICAL
Client ID:	076SB-0052-0001-TB	Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	13
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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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	

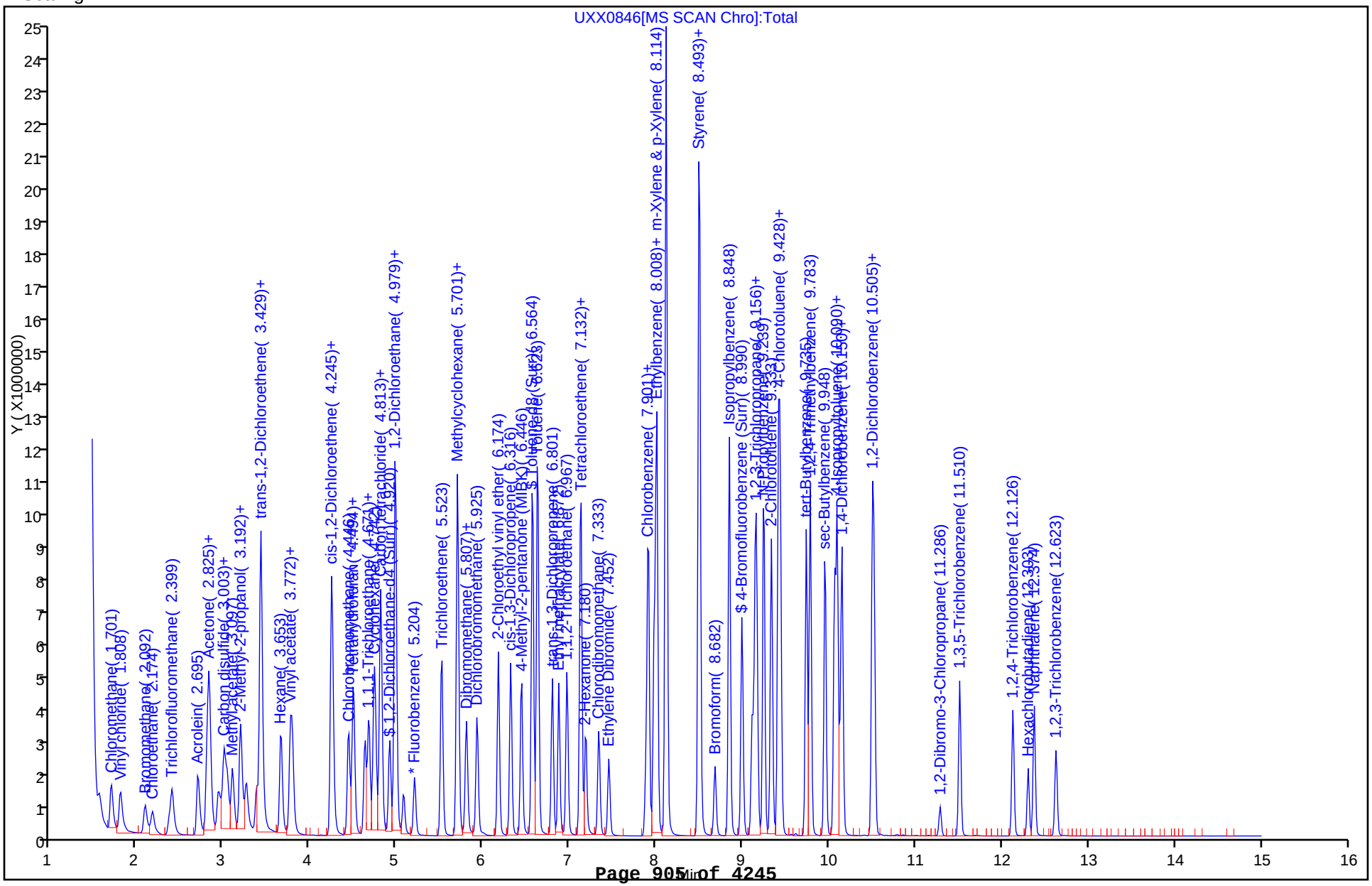
Report Date: 14-Nov-2012 12:22:53 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

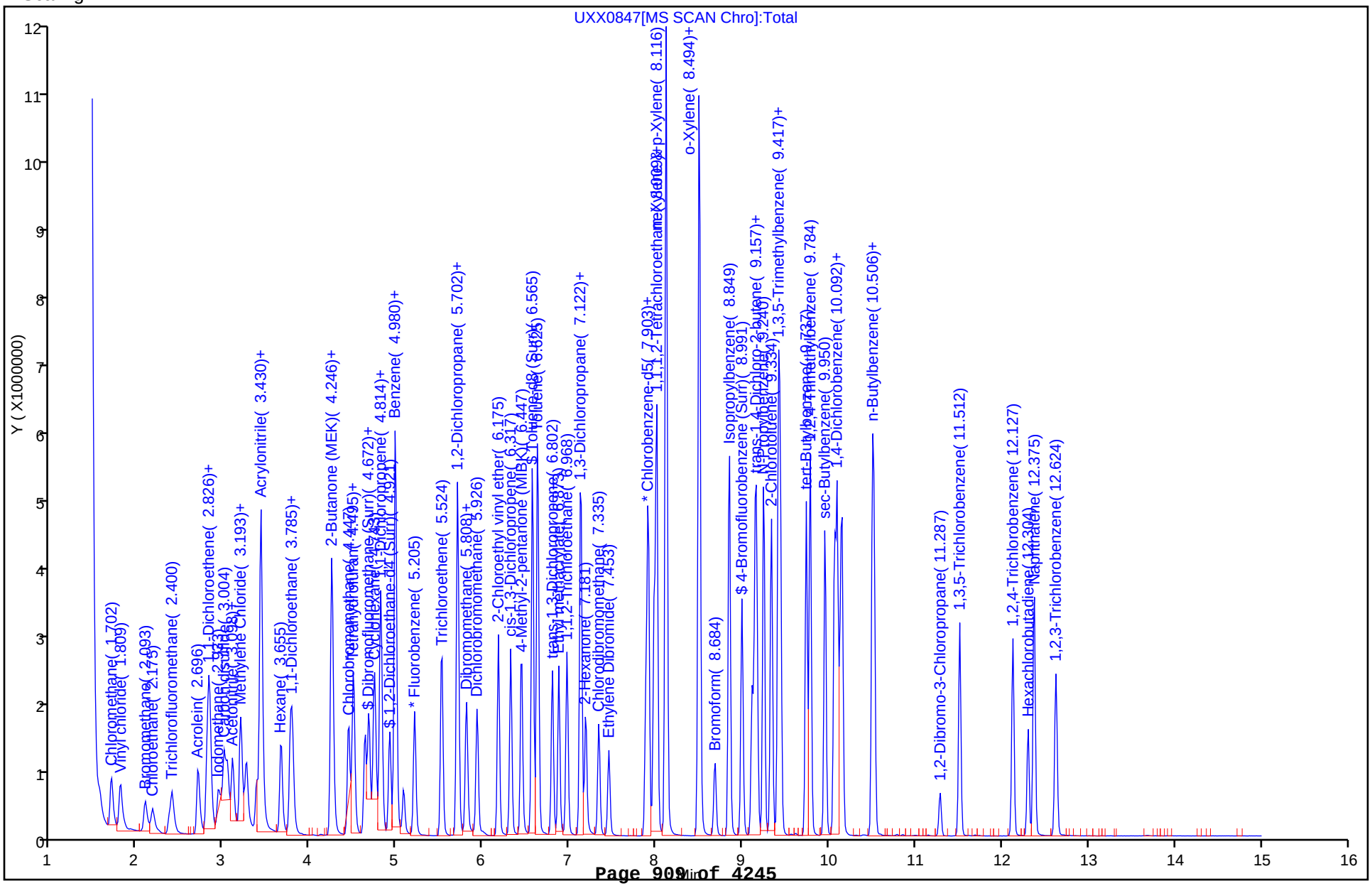
Report Date: 14-Nov-2012 12:22:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

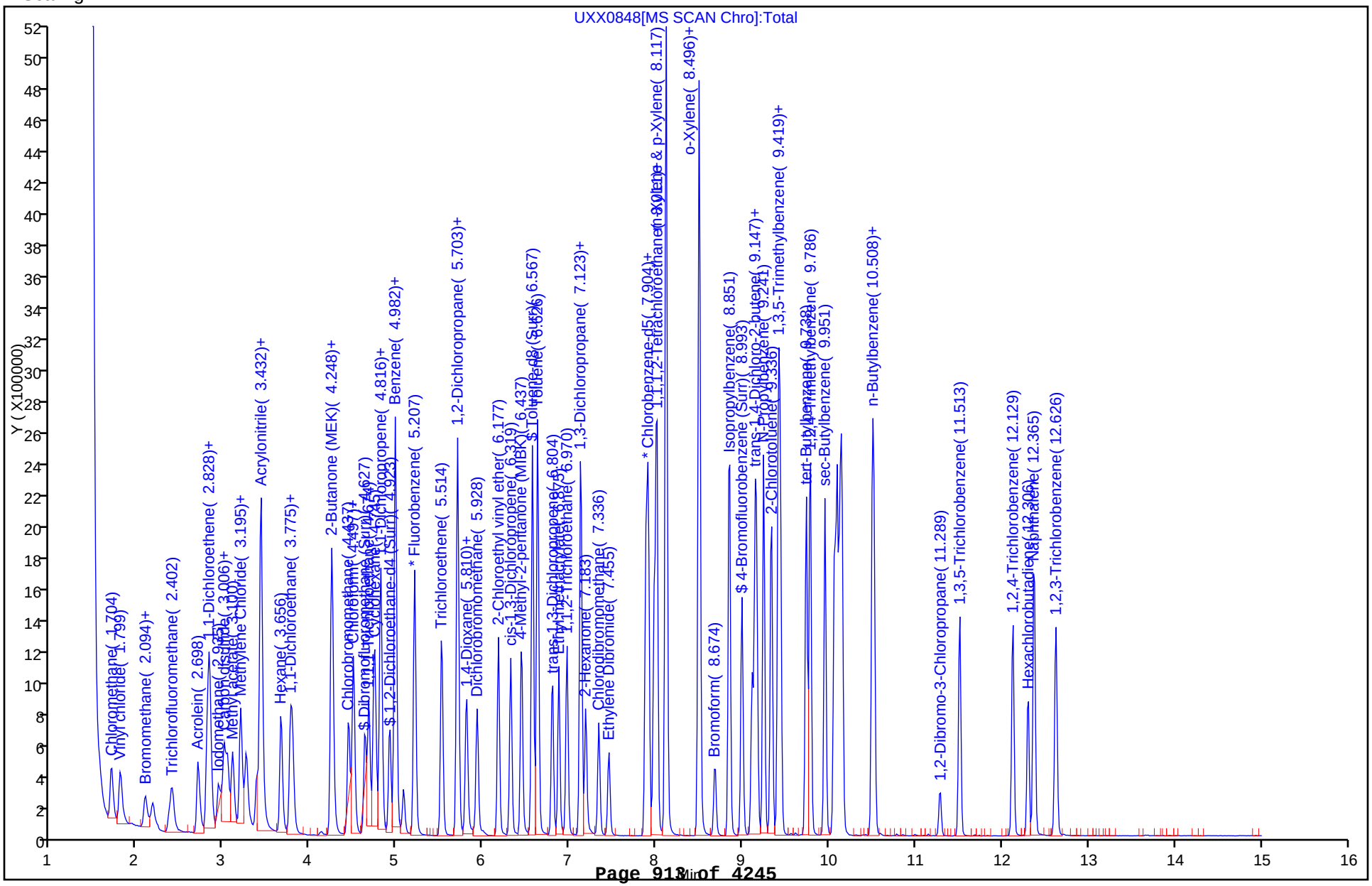
Report Date: 14-Nov-2012 12:22:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

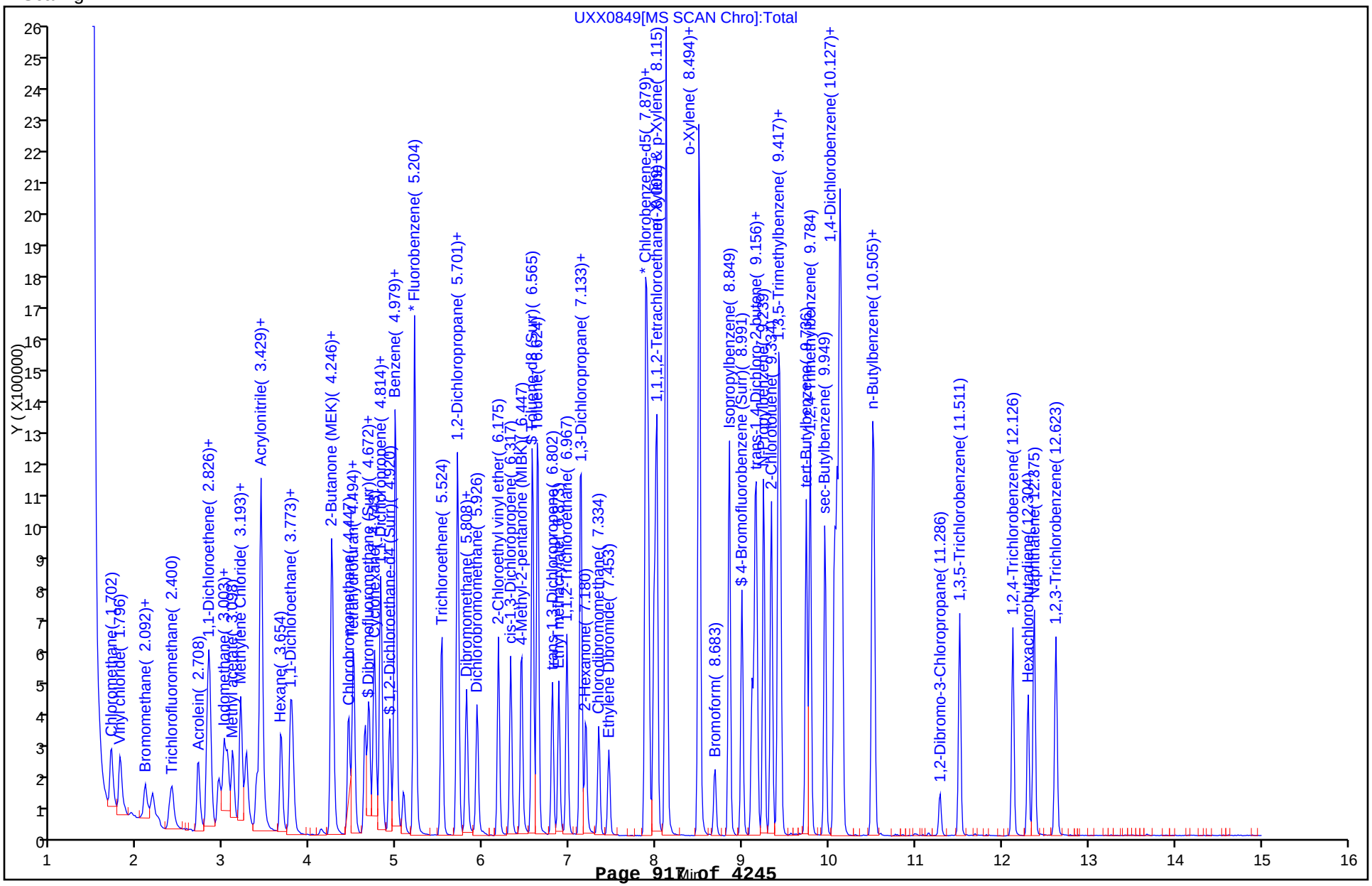
Report Date: 14-Nov-2012 12:22:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

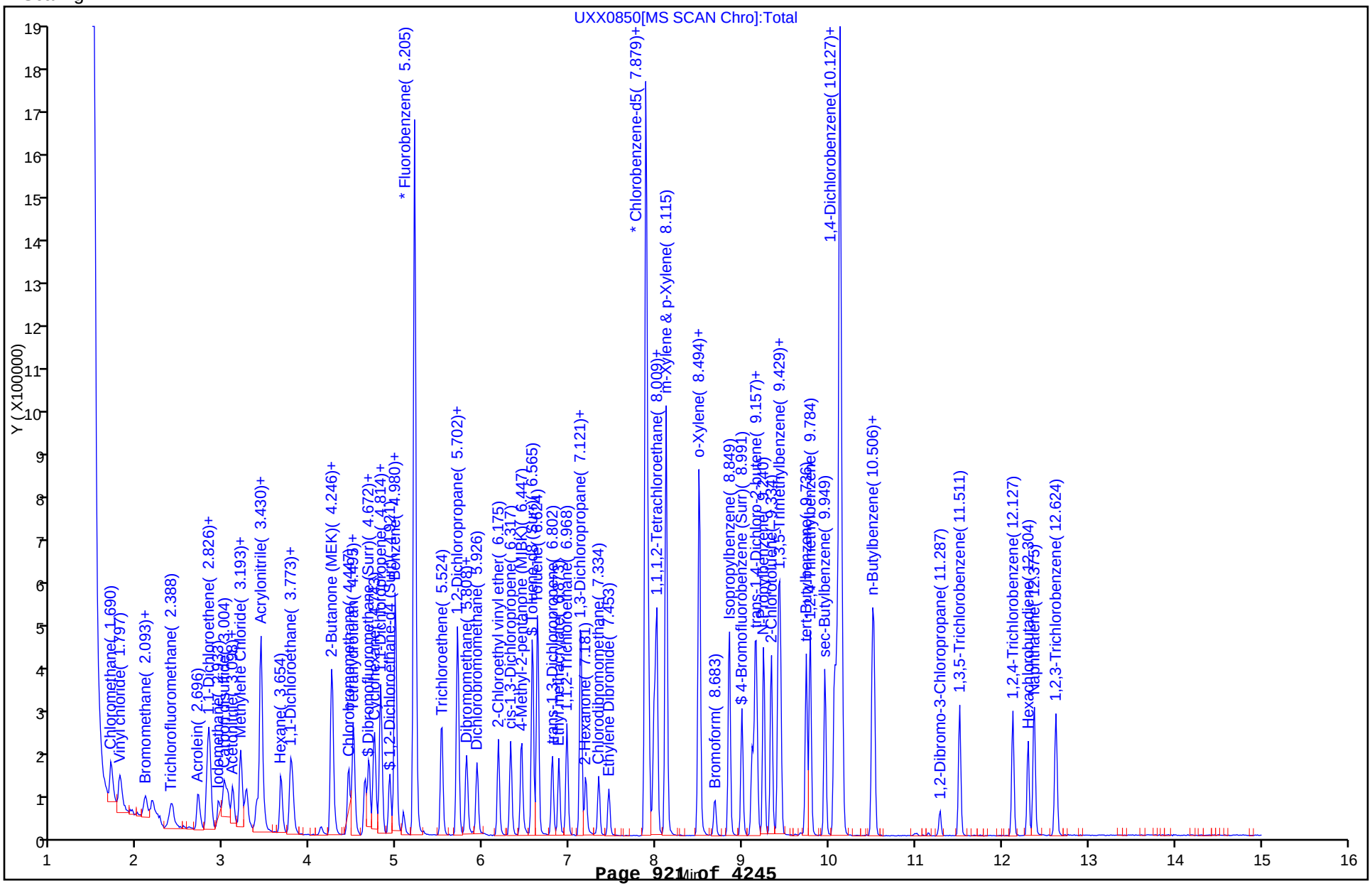
Report Date: 14-Nov-2012 12:22:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

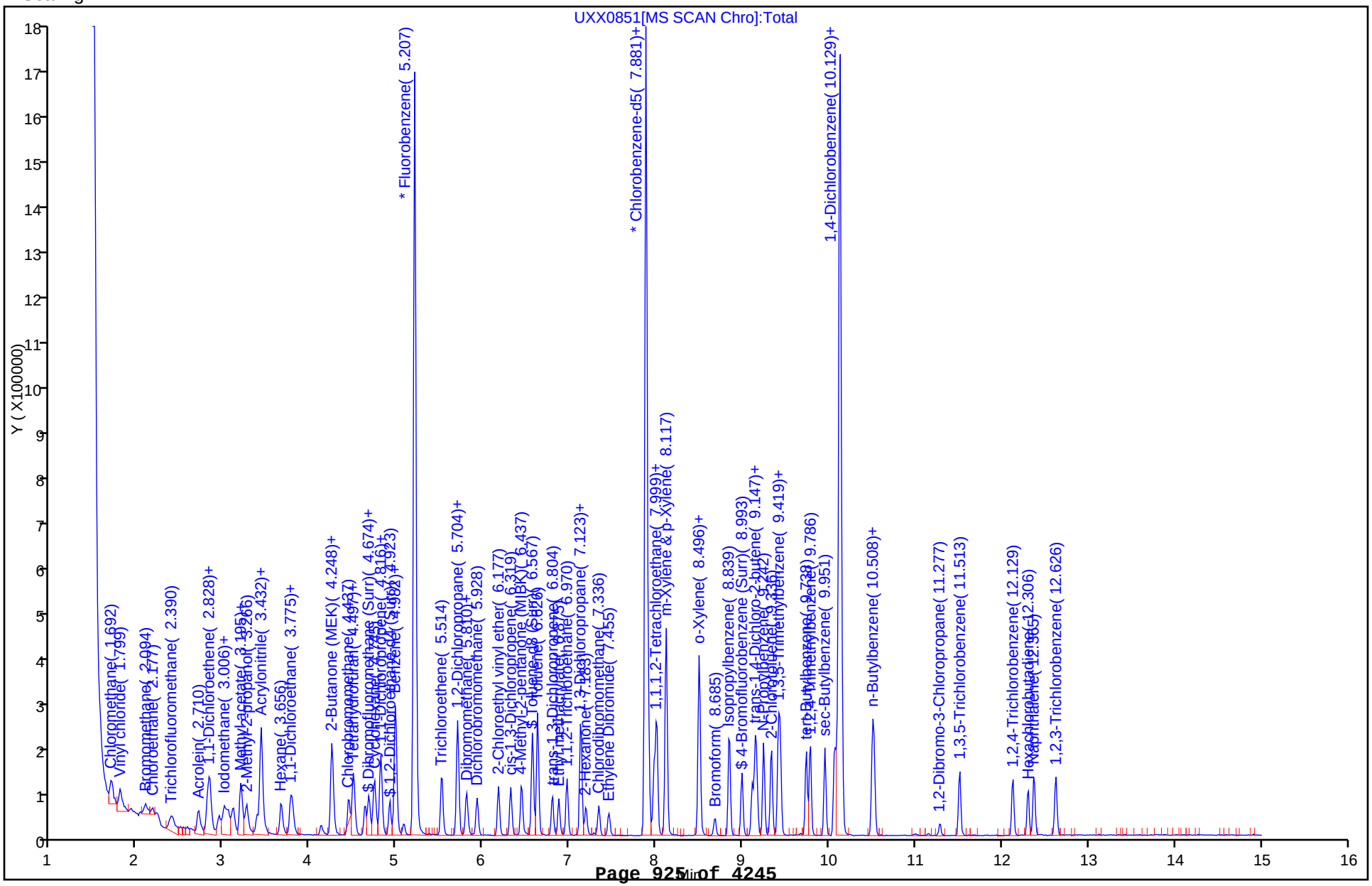
Report Date: 14-Nov-2012 12:22:58 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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	

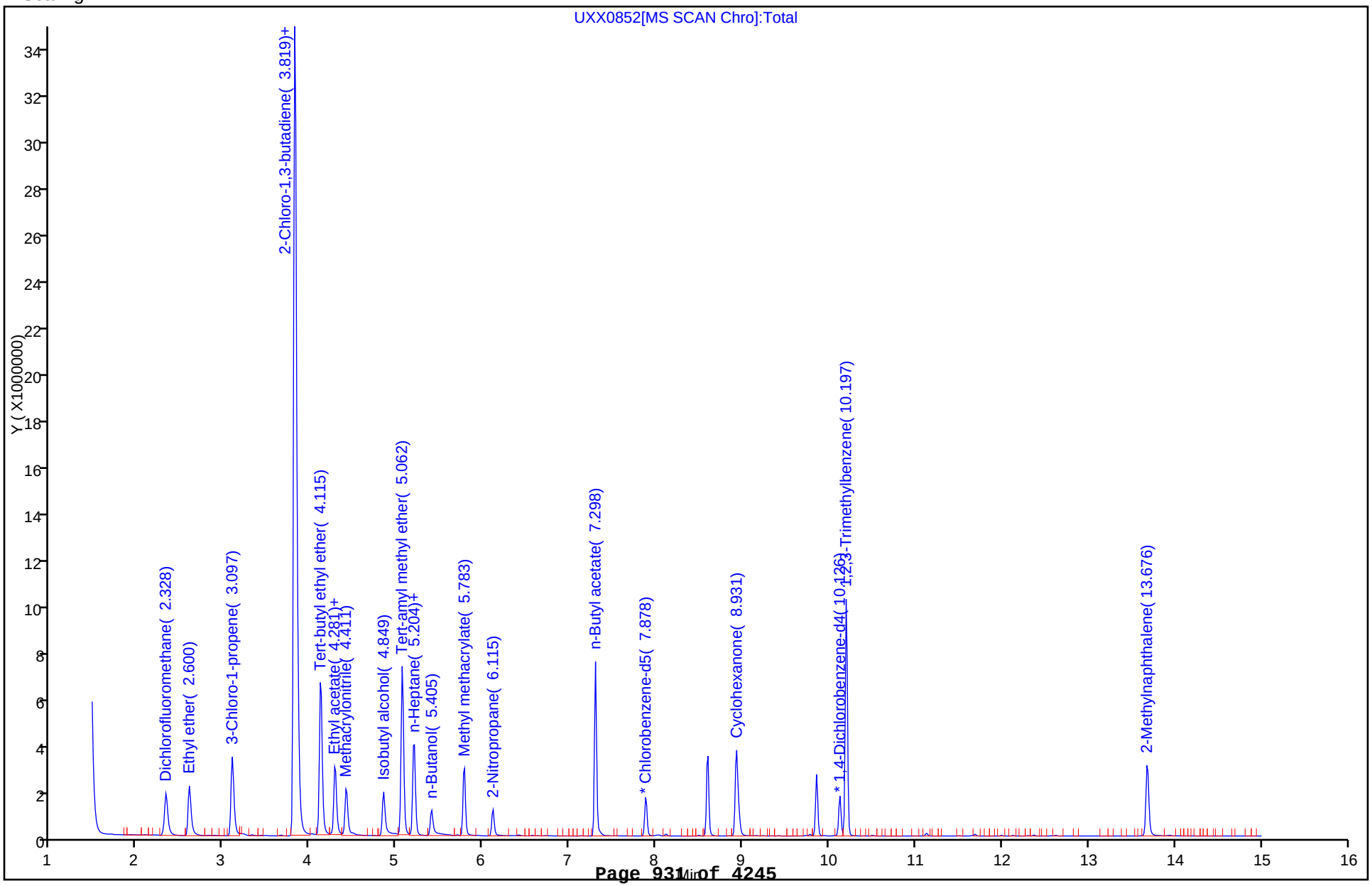
Report Date: 14-Nov-2012 12:22:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

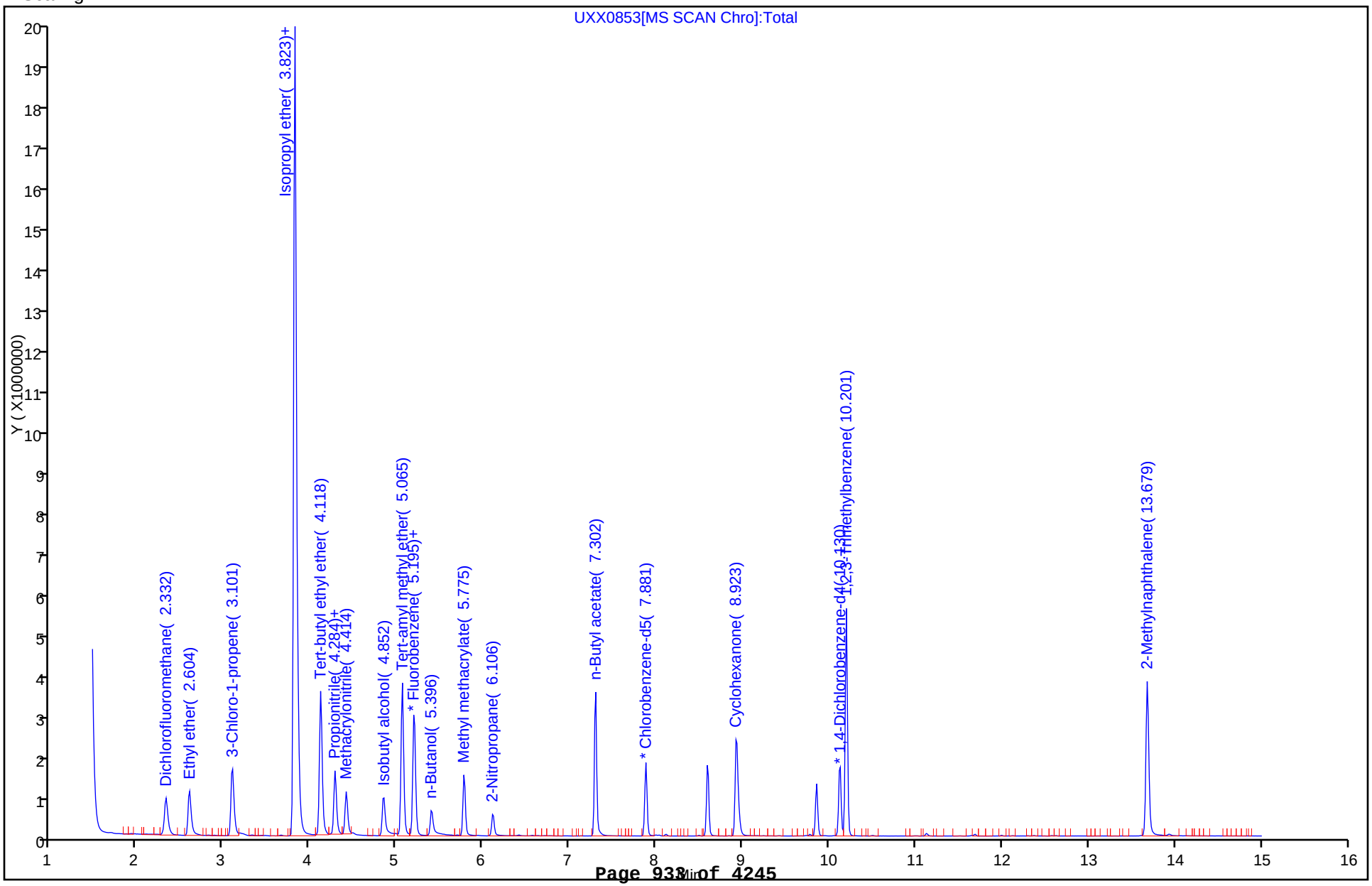
Report Date: 14-Nov-2012 12:23:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

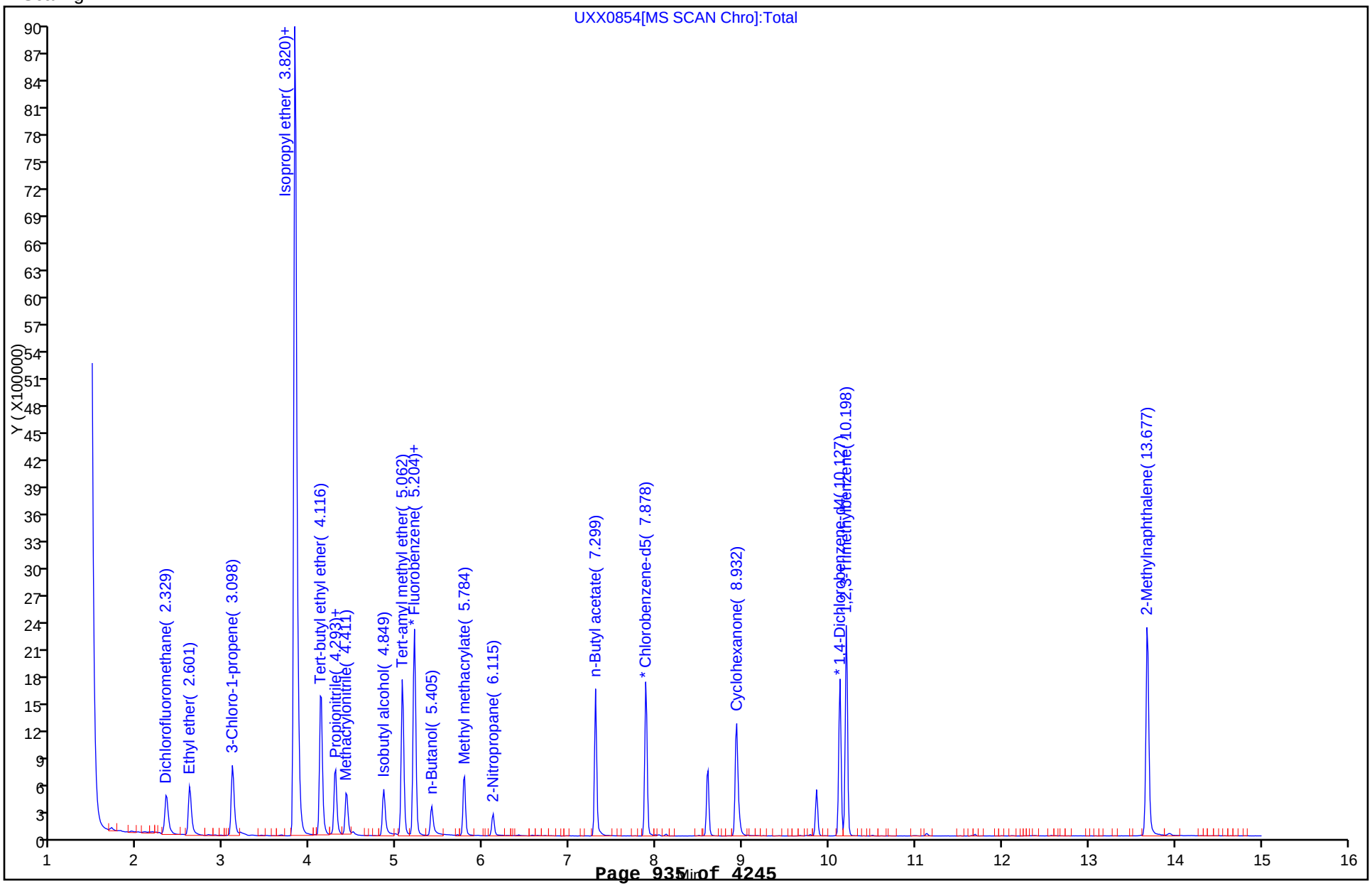
Report Date: 14-Nov-2012 12:23:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

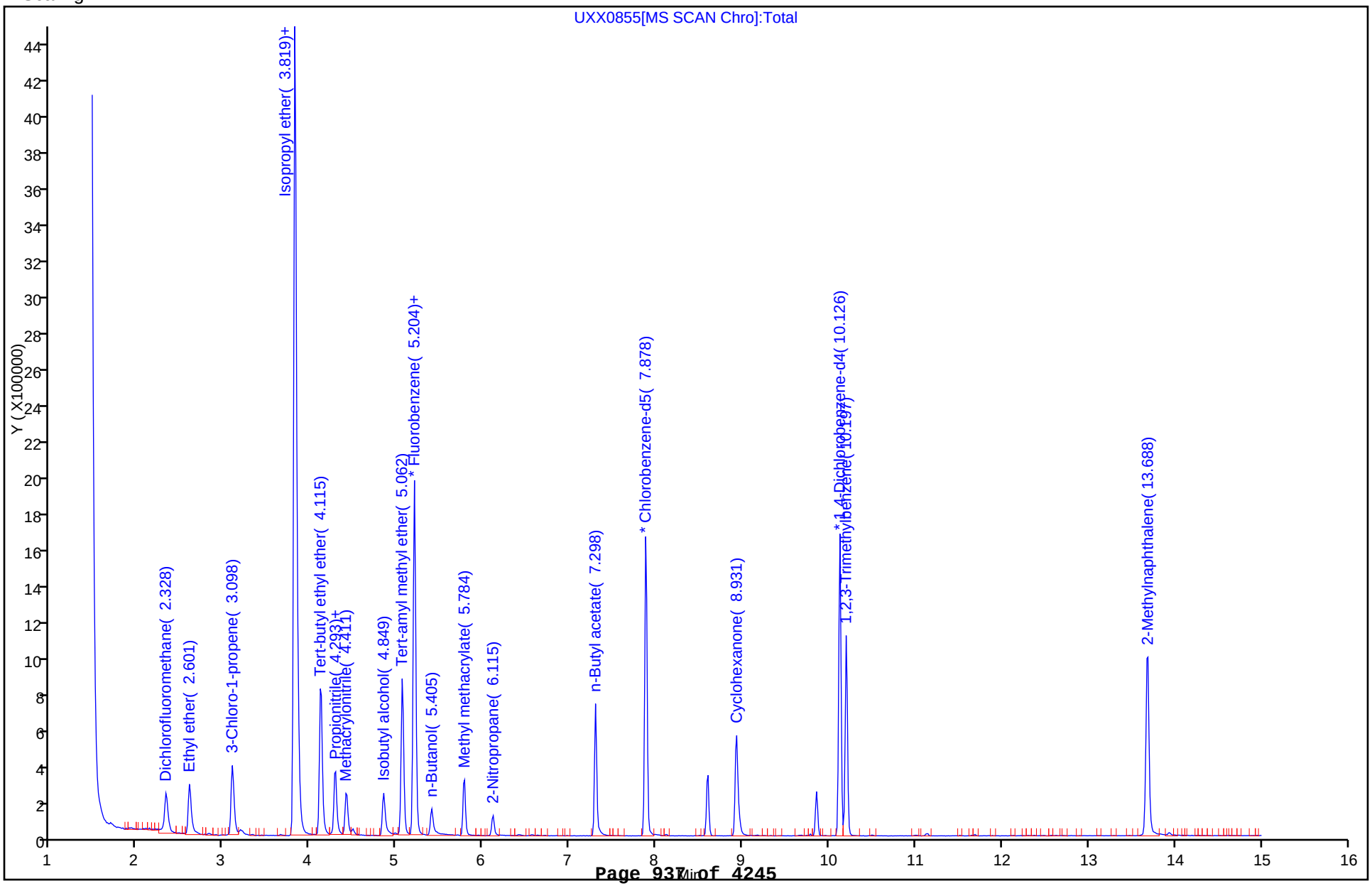
Report Date: 14-Nov-2012 12:23:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

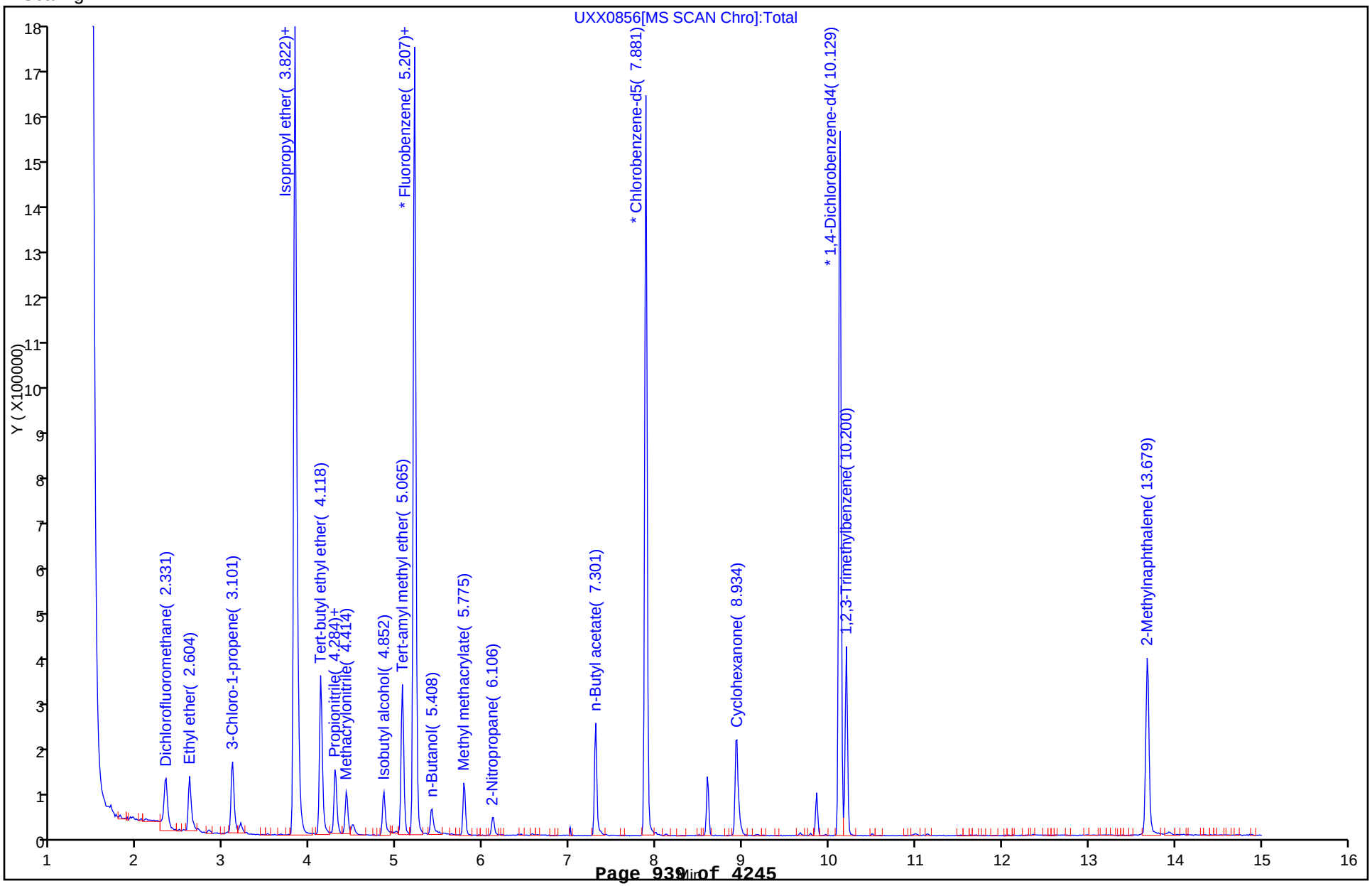
Report Date: 14-Nov-2012 12:23:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

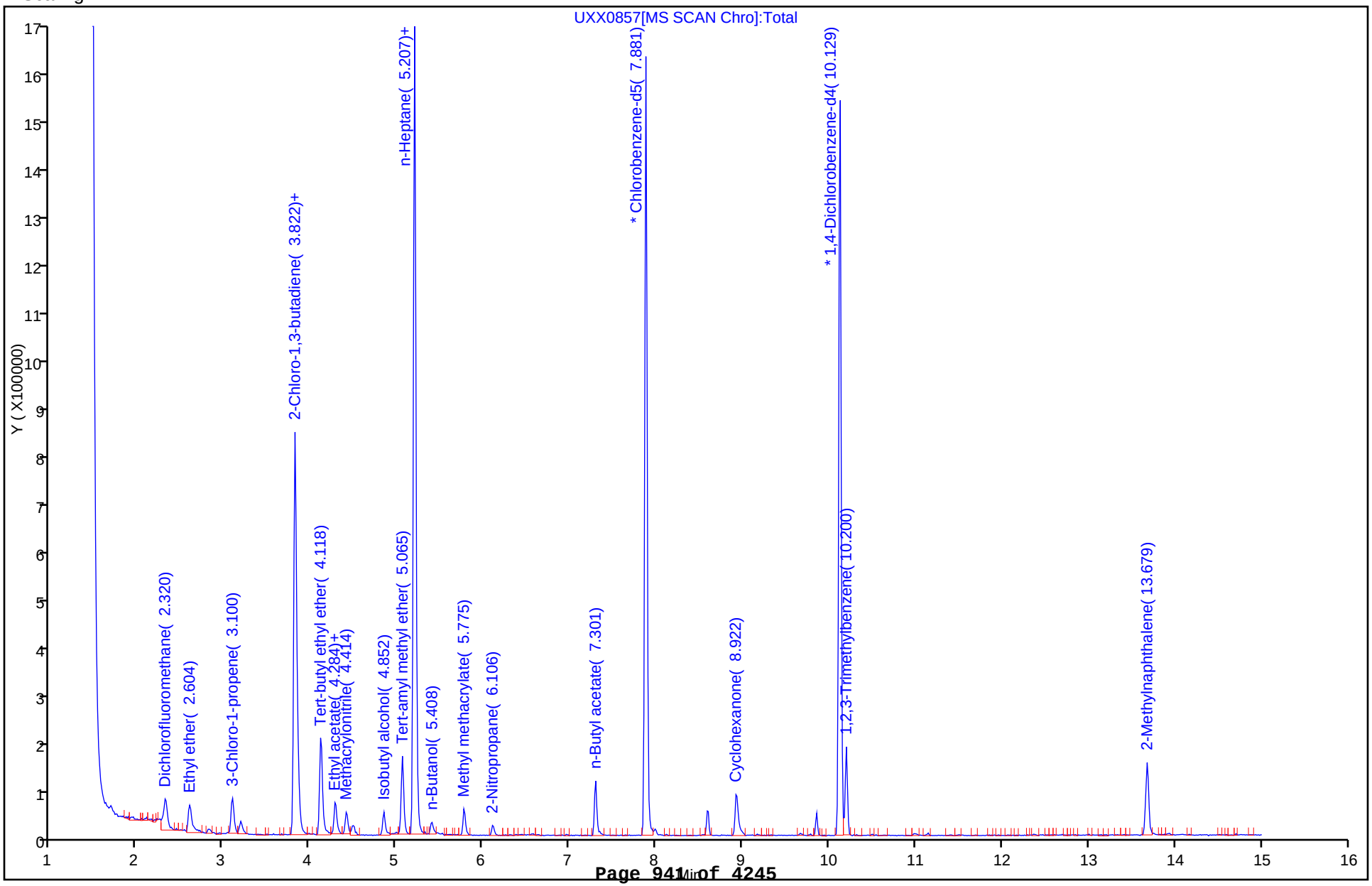
Report Date: 14-Nov-2012 12:23:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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	

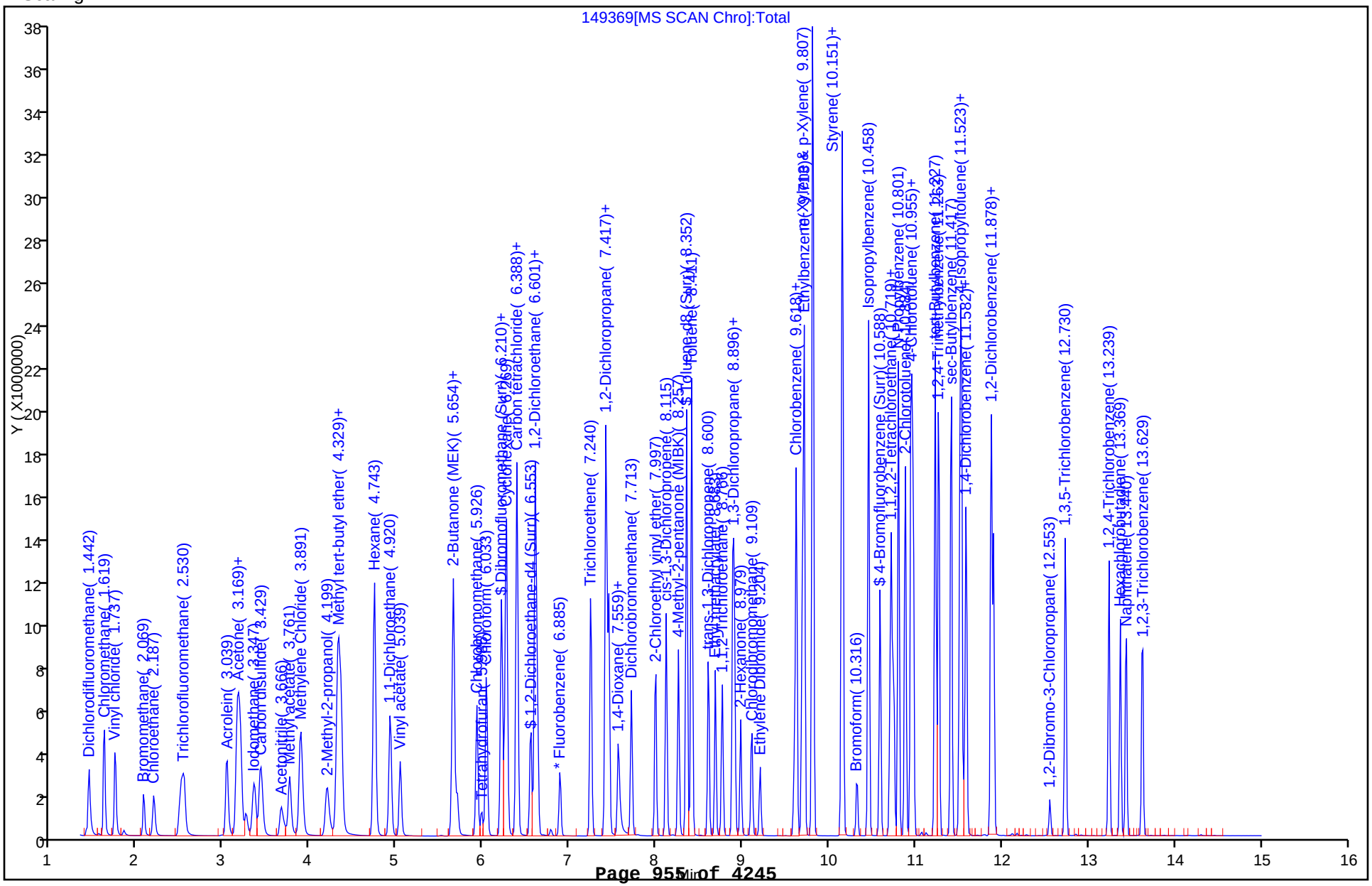
Report Date: 25-Nov-2012 10:56:54 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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	

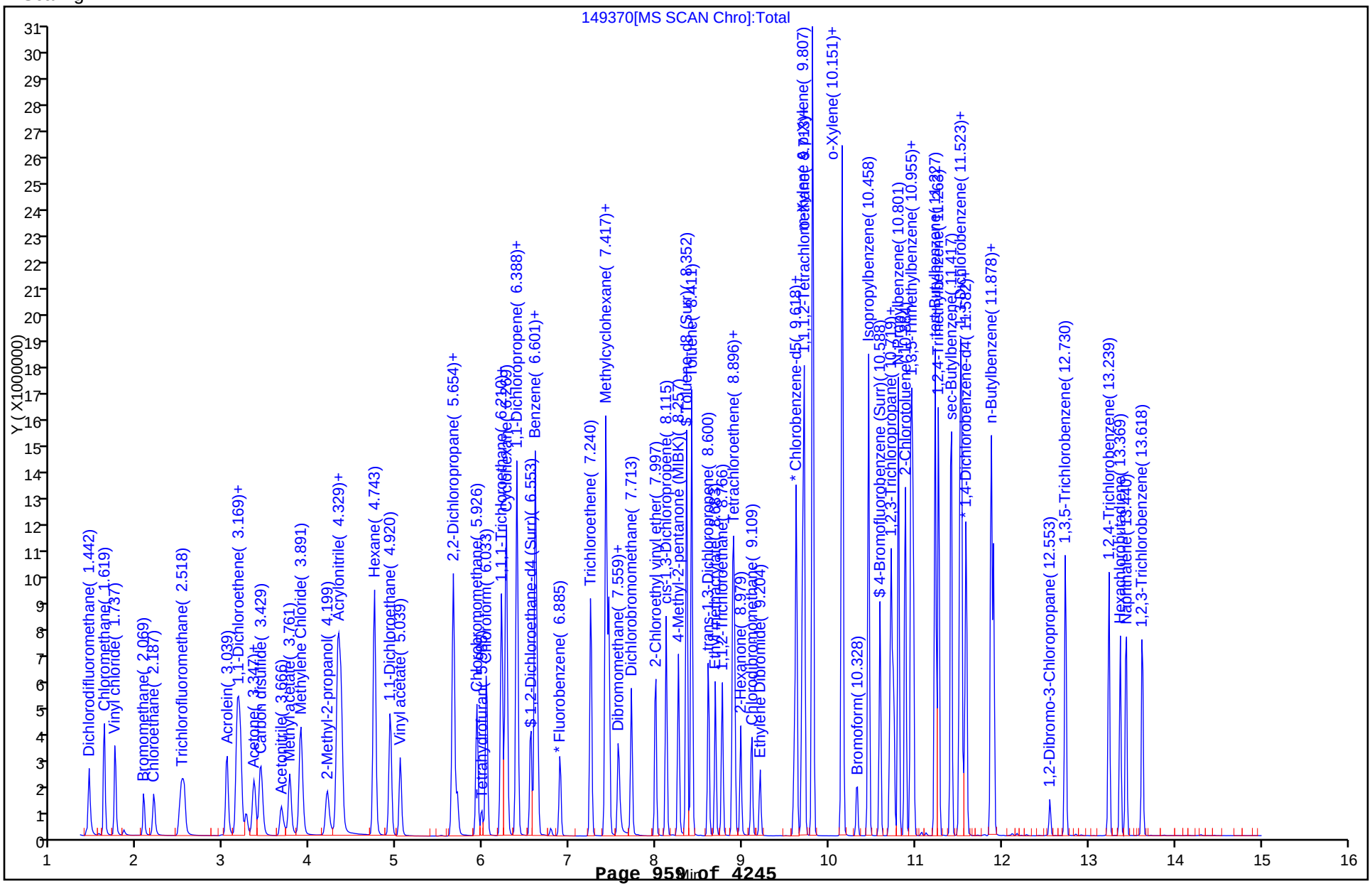
Report Date: 25-Nov-2012 10:56:55 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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	

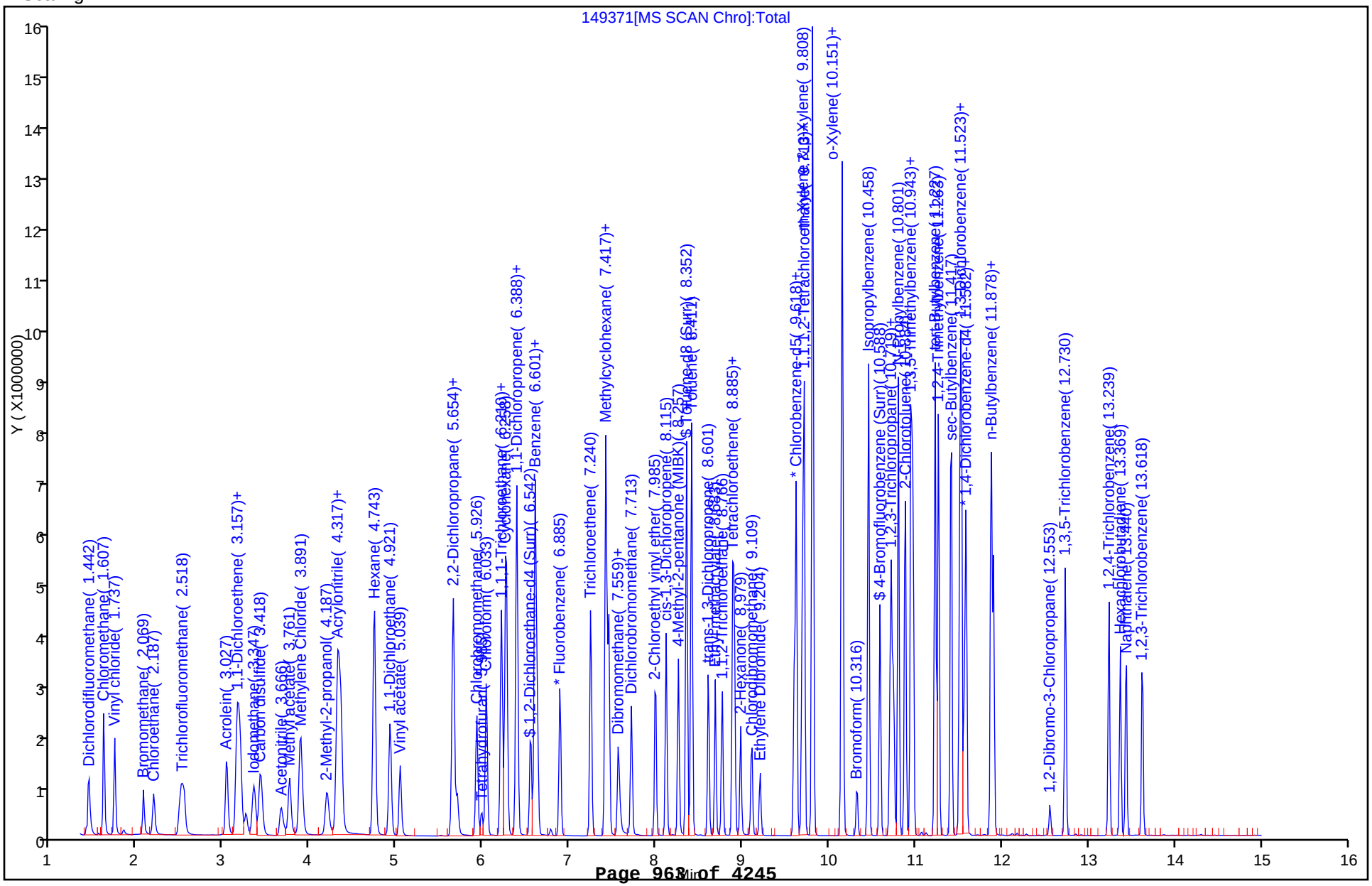
Report Date: 25-Nov-2012 10:56:56 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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	

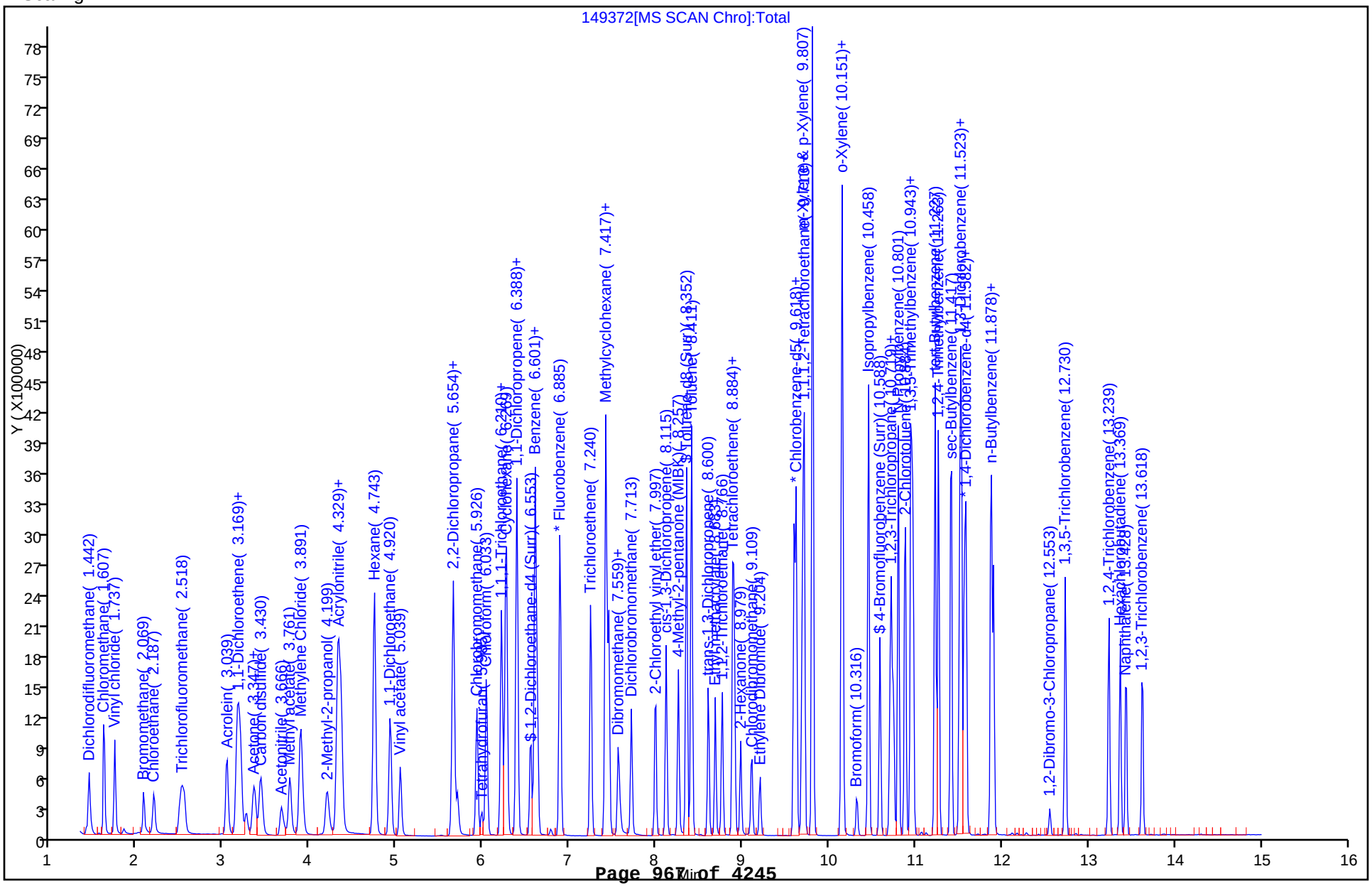
Report Date: 25-Nov-2012 10:56:57 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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	

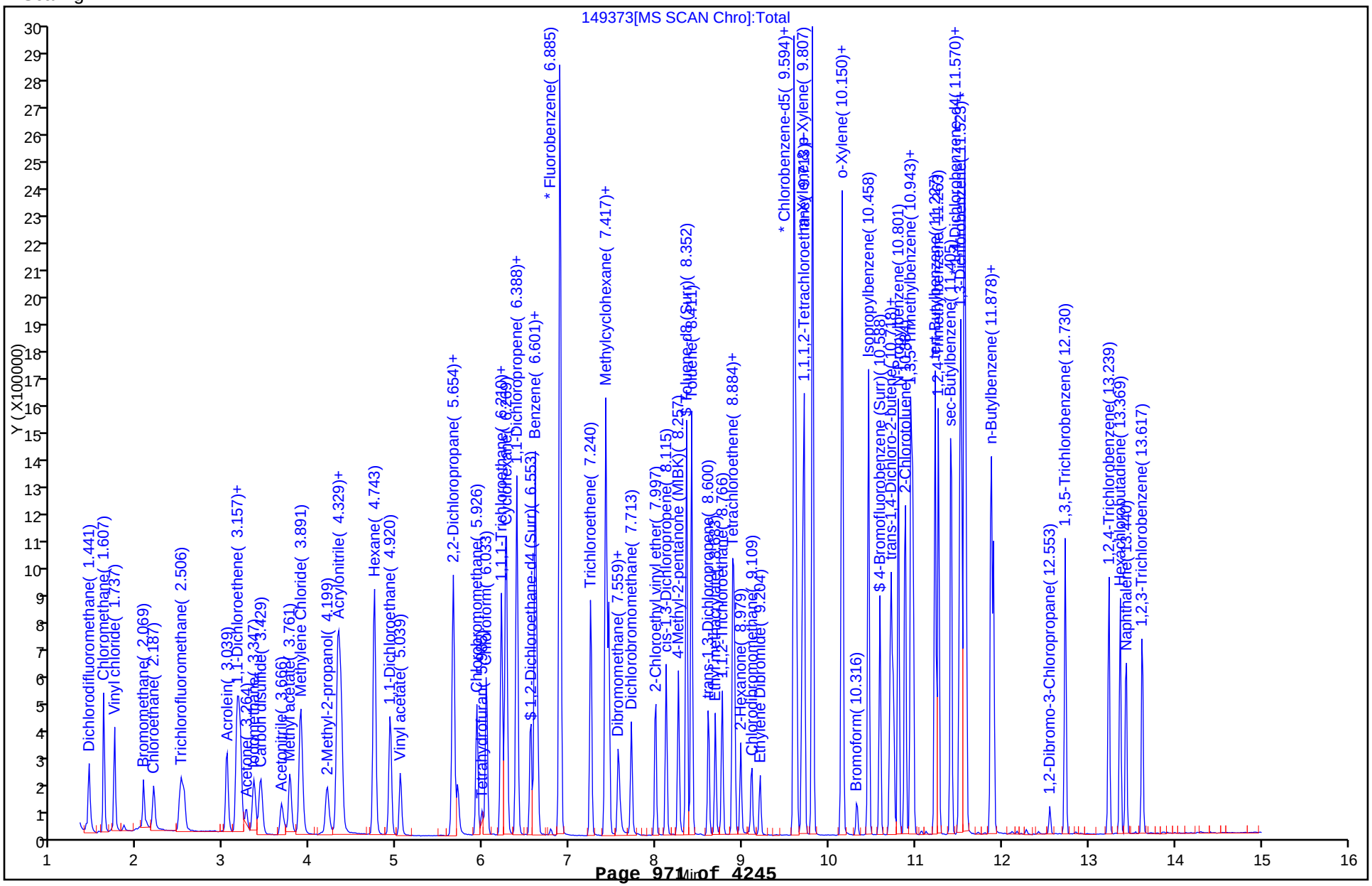
Report Date: 25-Nov-2012 10:56:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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	

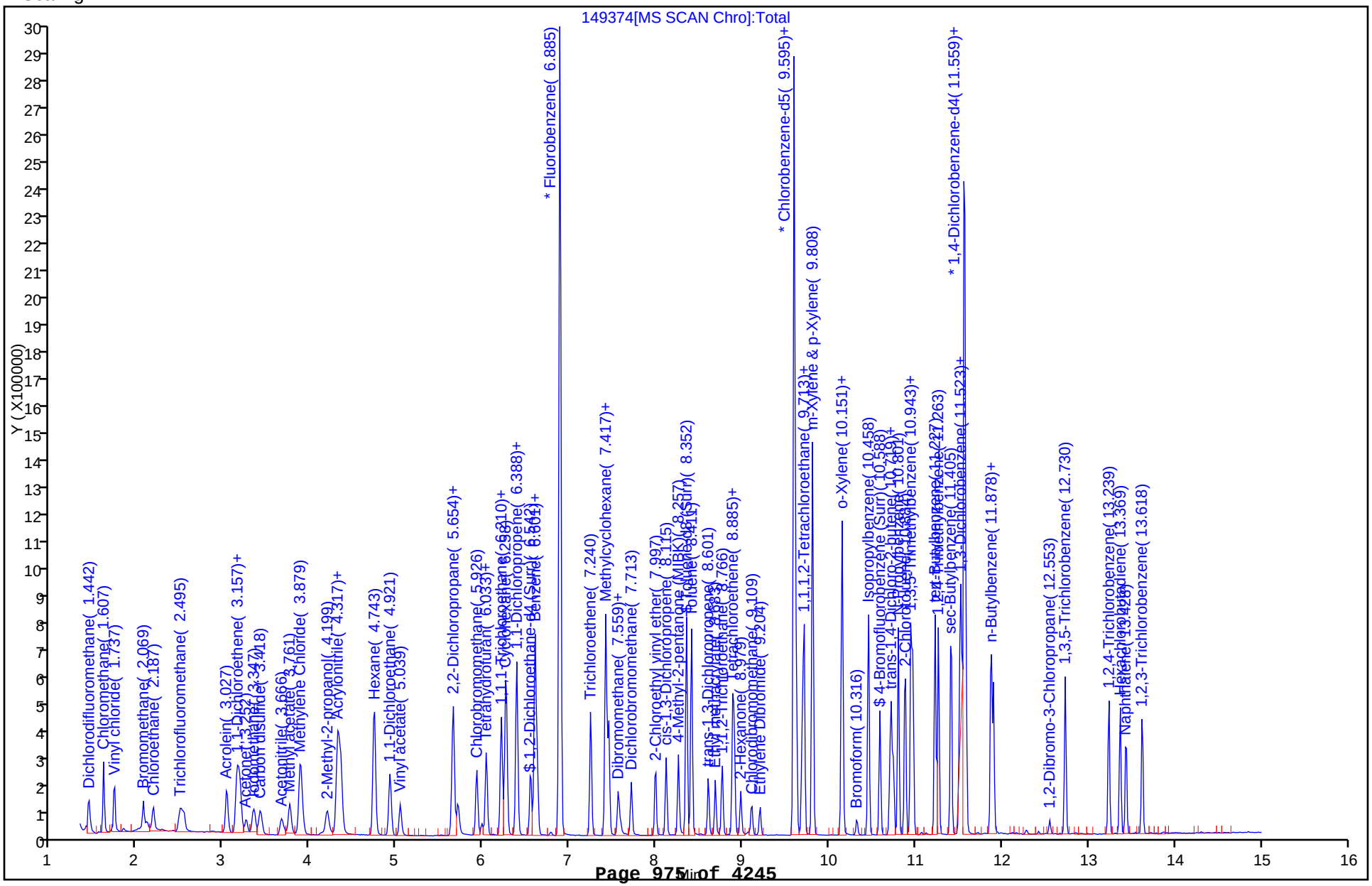
Report Date: 25-Nov-2012 10:56:58 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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	

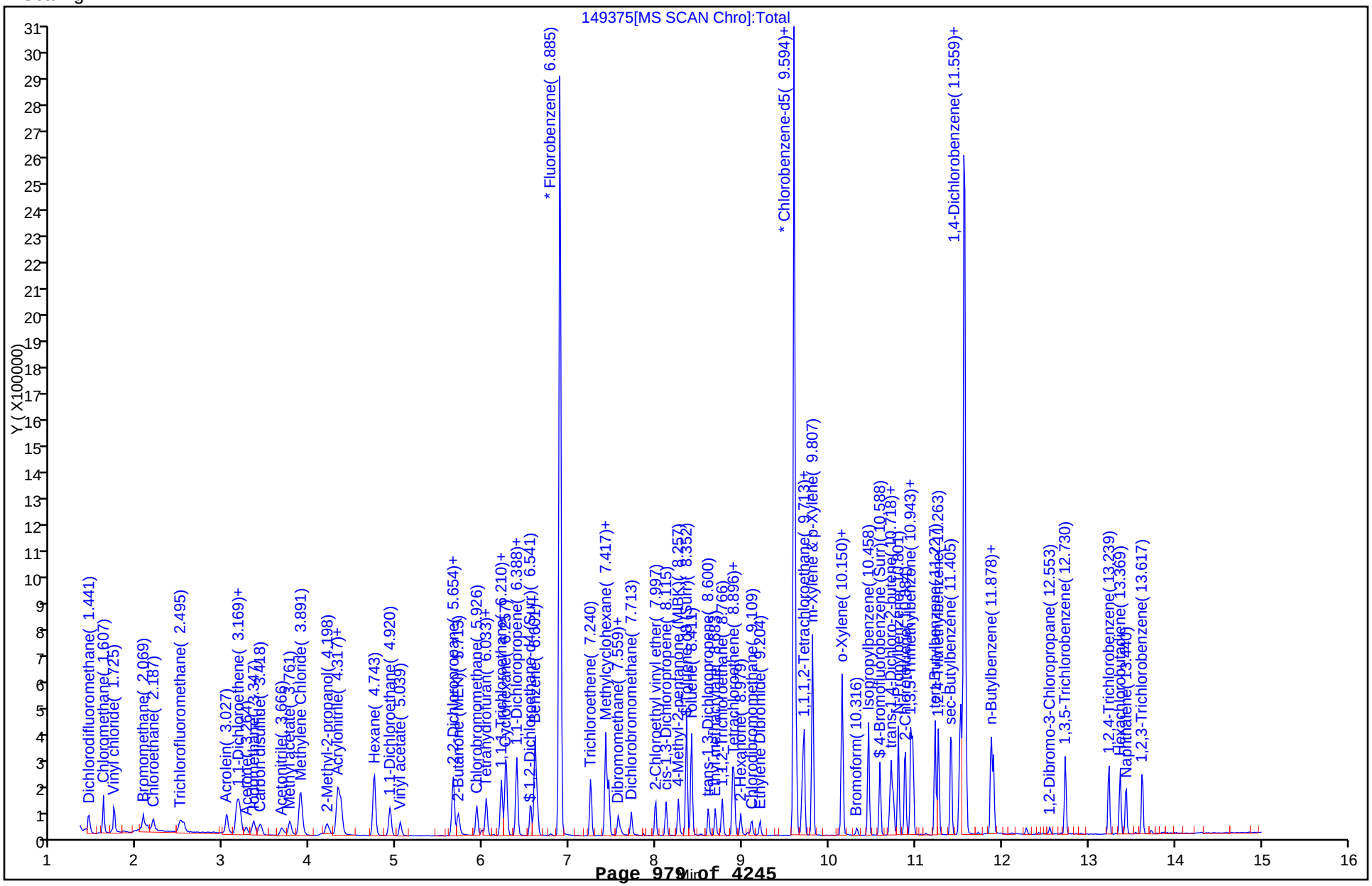
Report Date: 25-Nov-2012 10:56:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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	

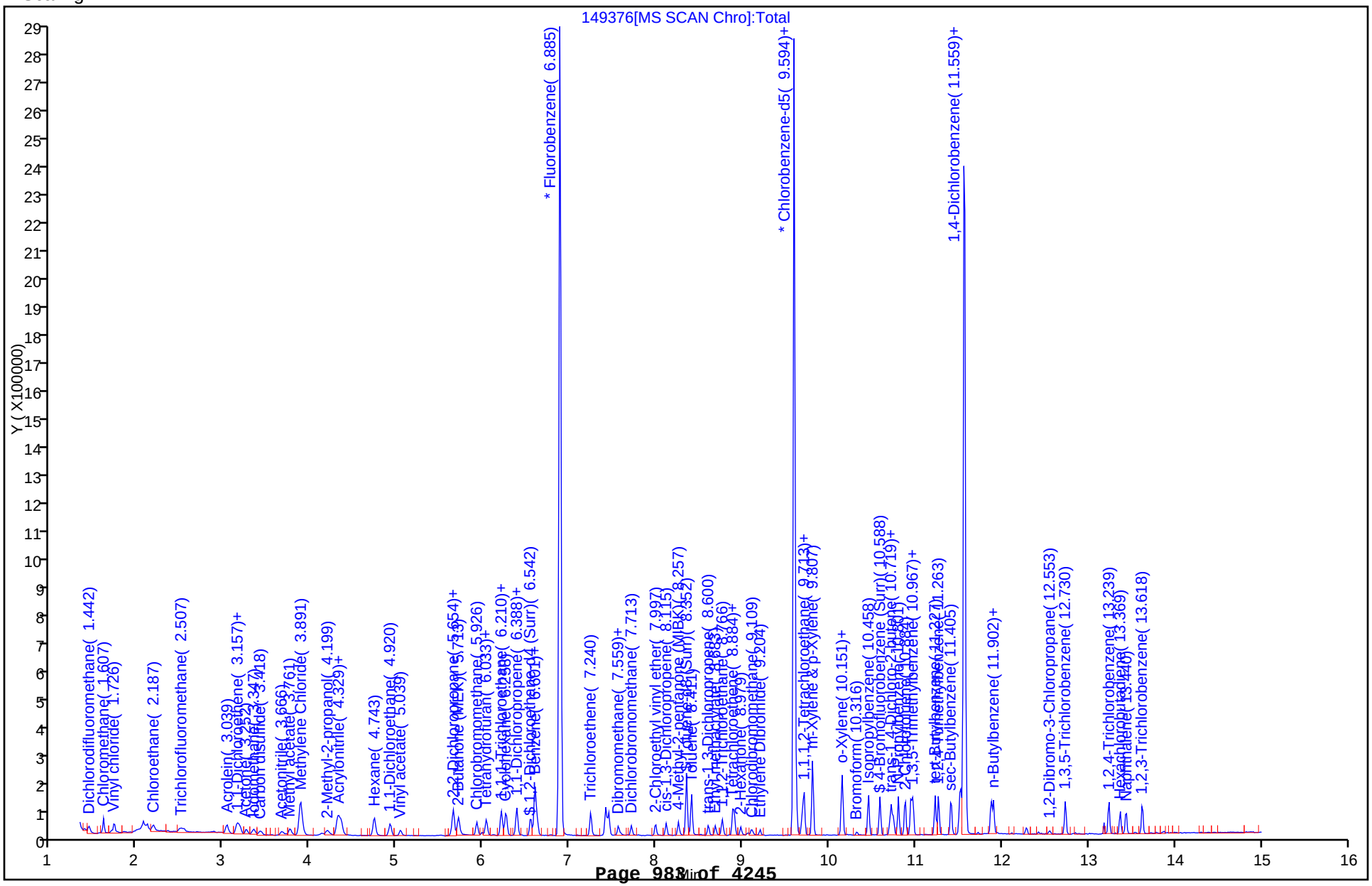
Report Date: 25-Nov-2012 10:57:00 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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	

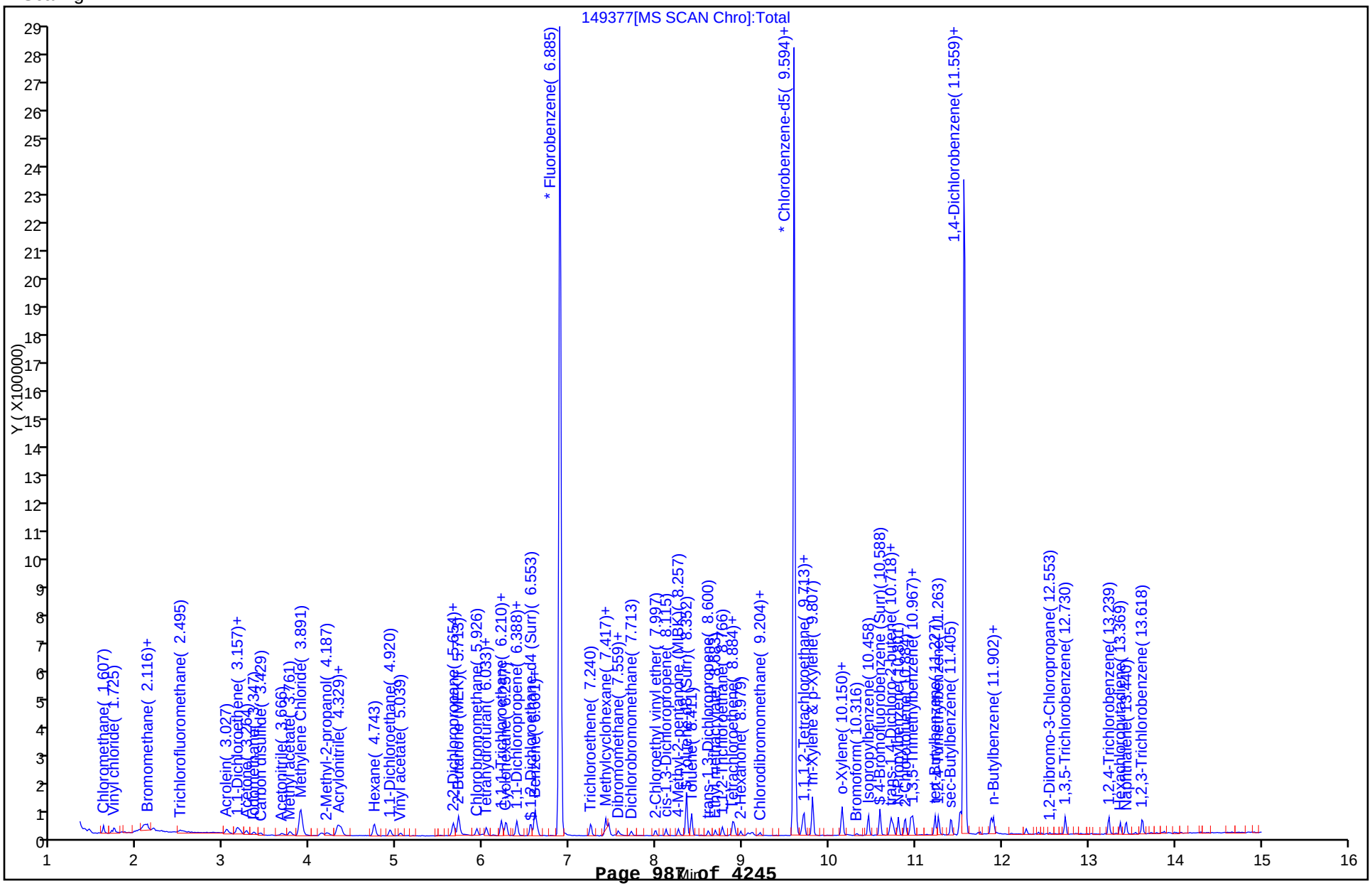
Report Date: 25-Nov-2012 10:57:01 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

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.: 240-17796-1

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	

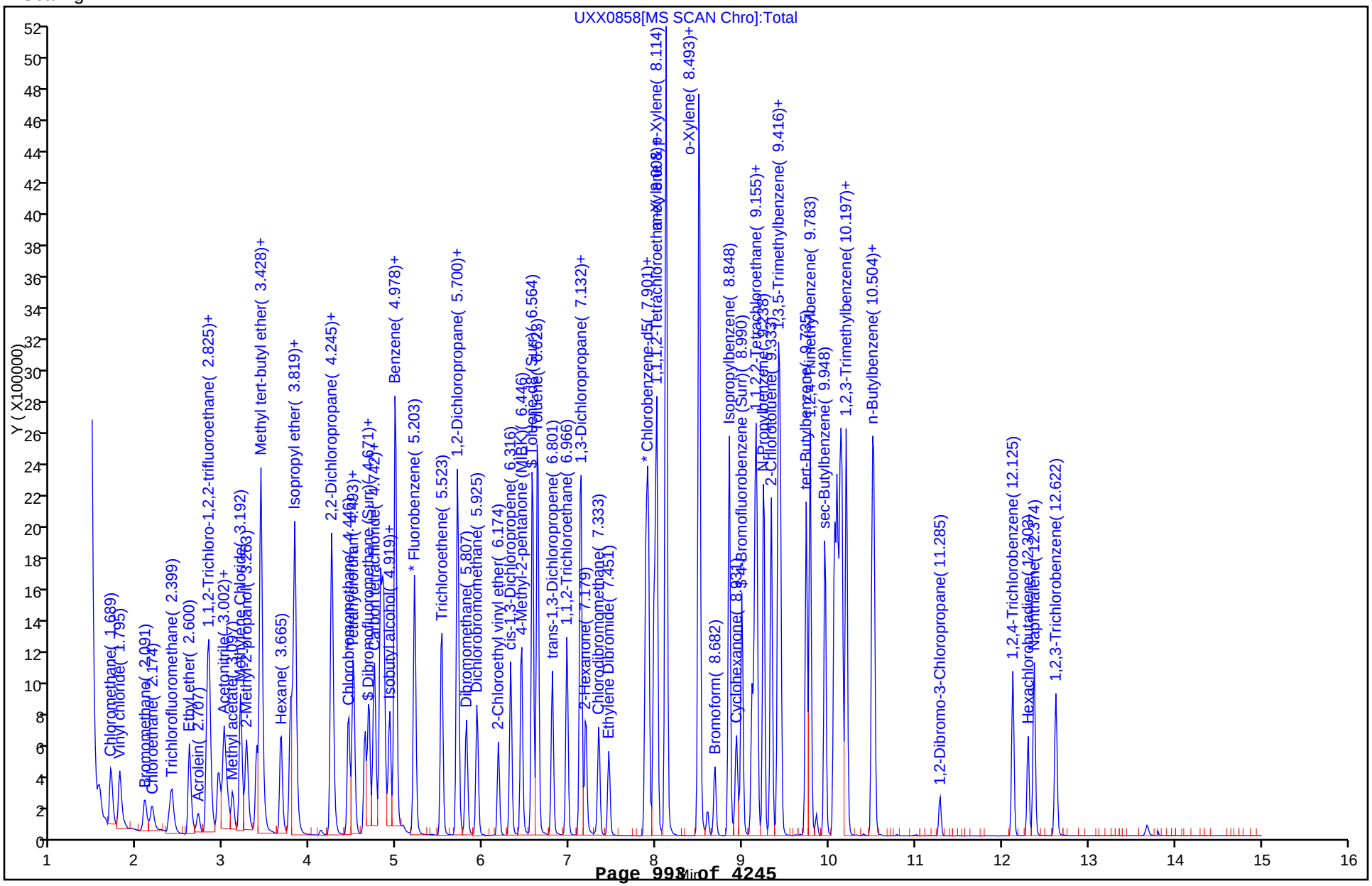
Report Date: 14-Nov-2012 12:23:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 240-17796-1

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	

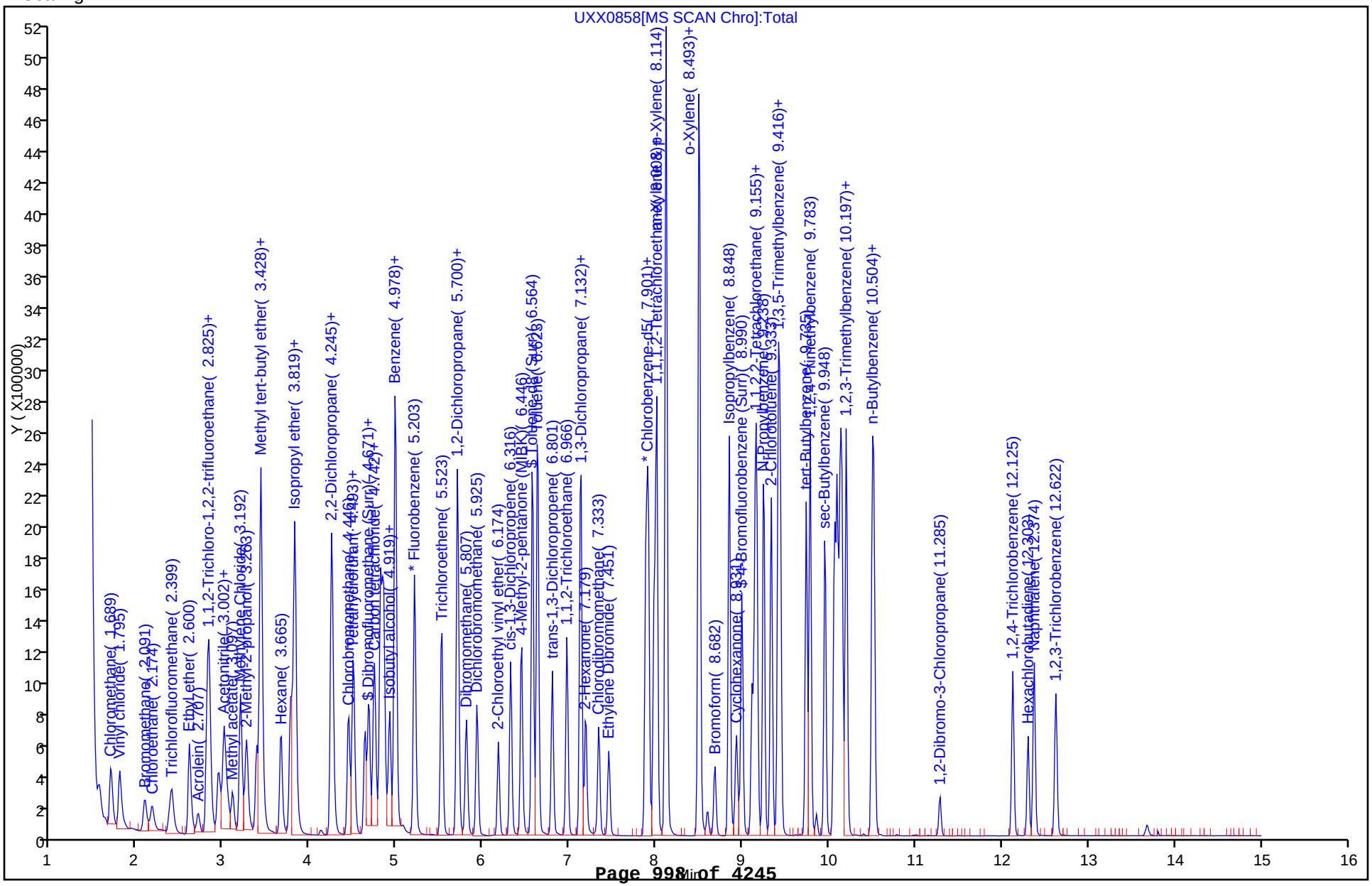
Report Date: 14-Nov-2012 12:23:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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.: 240-17796-1

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.: 240-17796-1

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	

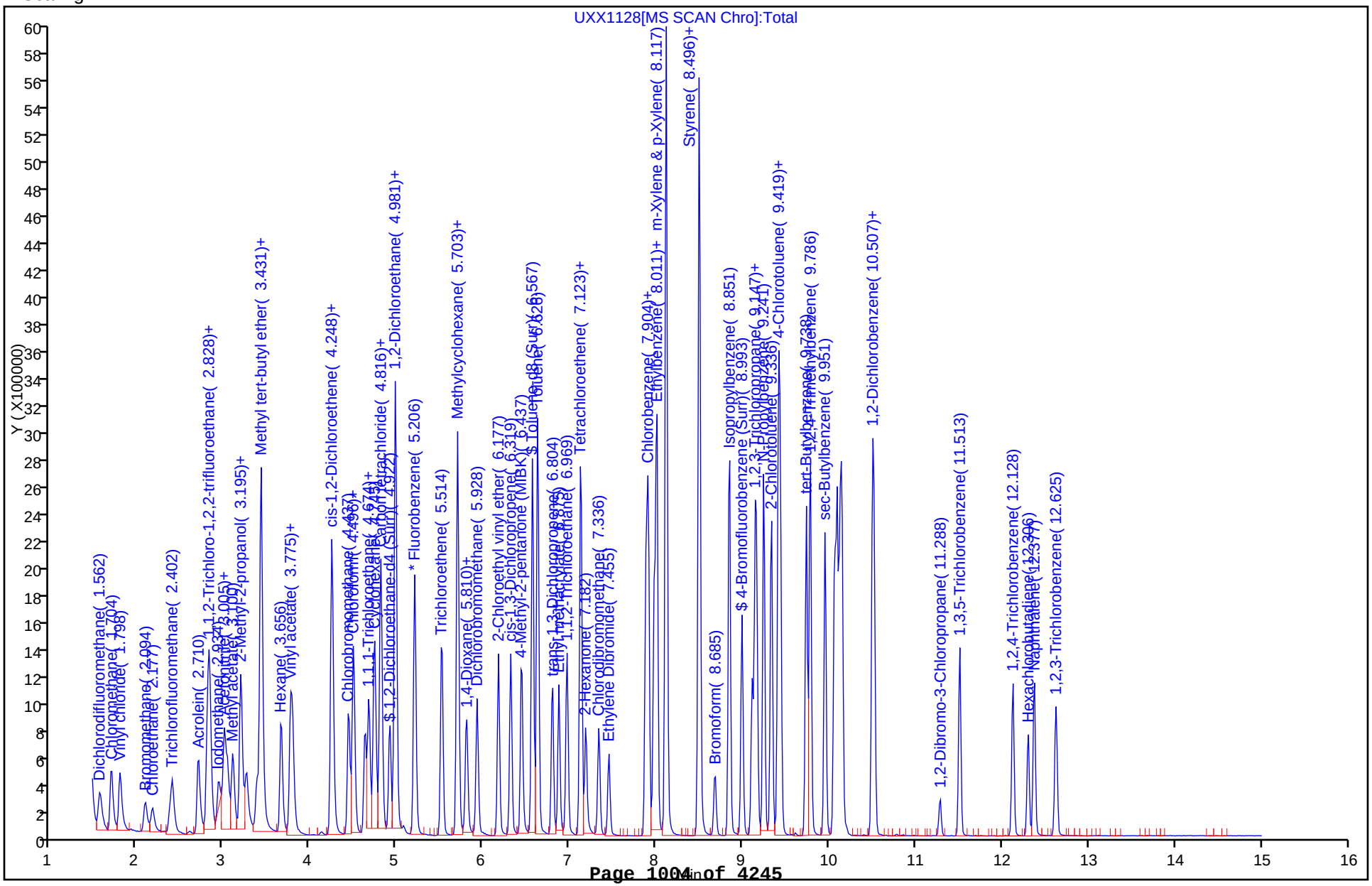
Report Date: 23-Nov-2012 08:56:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

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

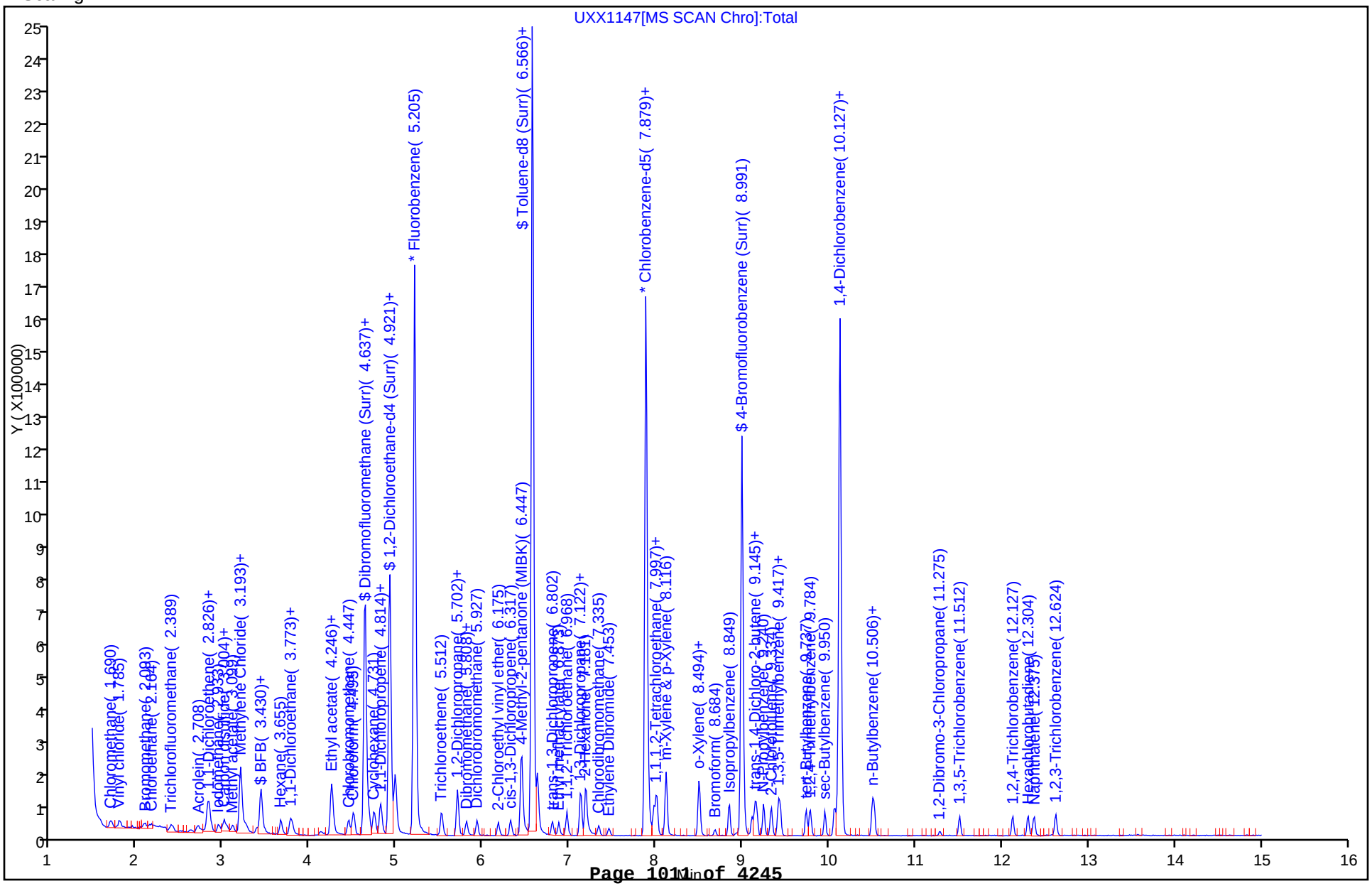
Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

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.: 240-17796-1

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	

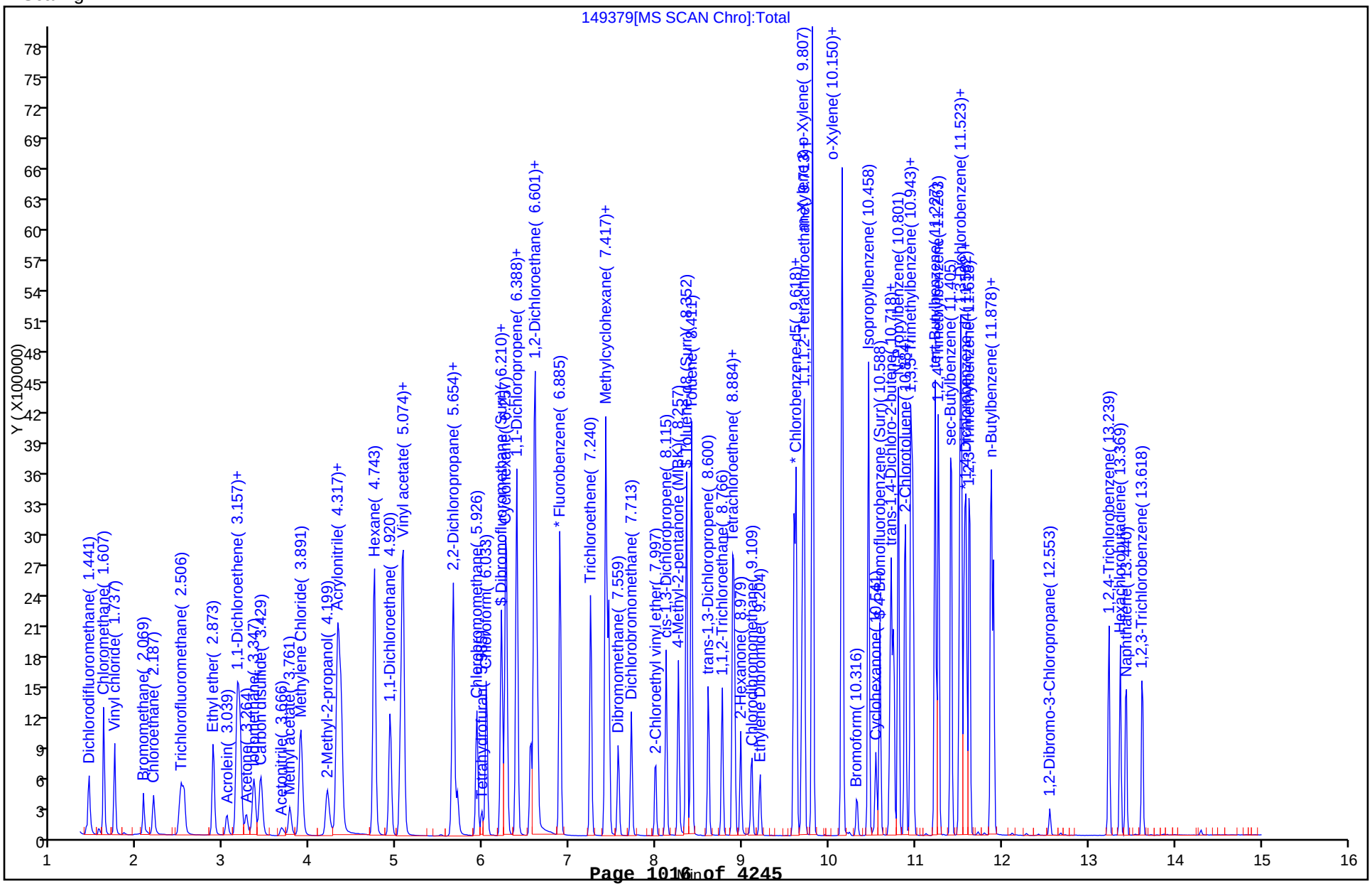
Report Date: 25-Nov-2012 10:57:03 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

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-triflu oroethane	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.: 240-17796-1

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	

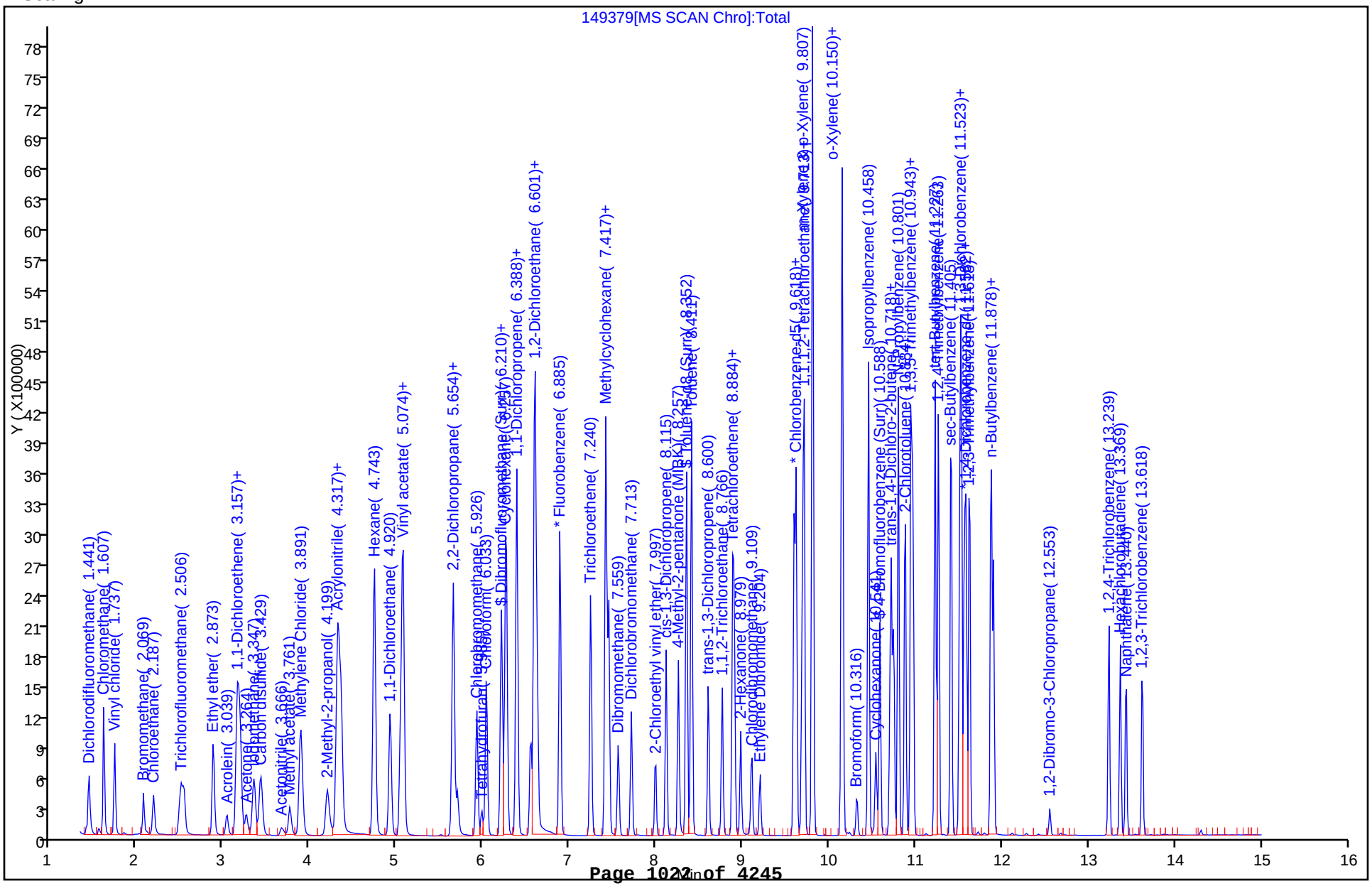
Report Date: 25-Nov-2012 10:57:03 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66239/4 Calibration Date: 11/26/2012 12:28

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: 149436.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	0.4026		0.0370	0.0500	-26.0*	20.0
Cyclohexanone	Ave	0.0718	0.0812		0.565	0.500	13.0	20.0
1,2,3-Trimethylbenzene	Ave	2.995	2.936		0.0490	0.0500	-2.0	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149436.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	26-Nov-2012 12:28:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0015258-004 =240-0015258-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	66239	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub15		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m		
Last Update:	27-Nov-2012 09:27:57	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:	XAWRK019		
First Level Reviewer: macenczaks		Date:	26-Nov-2012 12:45:08

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	2288503	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	95	1321337	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	97	642178	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	72	498040	43.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	92	639579	45.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1891845	45.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	569166	44.5	
17 Dichlorofluoromethane	67	2.447	2.447	0.0	83	921339	37.0	
19 Ethyl ether	59	2.873	2.873	0.0	96	598091	53.0	
29 3-Chloro-1-propene	76	3.690	3.690	0.0	86	286429	41.0	
39 2-Chloro-1,3-butadiene	53	5.039	5.039	0.0	87	1579982	54.1	
38 Isopropyl ether	87	5.074	5.074	0.0	97	2587740	223.5	
40 Tert-butyl ethyl ether	59	5.524	5.524	0.0	97	2189250	51.4	
44 Propionitrile	54	5.760	5.760	0.0	99	163108	108.2	
45 Ethyl acetate	43	5.796	5.796	0.0	99	1091288	133.7	
46 Methacrylonitrile	41	5.926	5.926	0.0	97	364687	55.5	
54 Isobutyl alcohol	41	6.589	6.589	0.0	92	335223	1009.1	
57 Tert-amyl methyl ether	73	6.743	6.743	0.0	85	1189276	45.5	
58 n-Heptane	100	6.896	6.896	0.0	94	189973	59.8	
59 n-Butanol	56	7.228	7.228	0.0	91	259391	1338.1	
64 Methyl methacrylate	41	7.571	7.571	0.0	87	442861	65.5	
68 2-Nitropropane	41	7.926	7.926	0.0	98	148110	125.6	
132 n-Butyl acetate	43	9.086	9.086	0.0	0	1333685	0	
89 Cyclohexanone	55	10.541	10.541	0.0	94	1072209	565.1	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	98	1885234	49.0	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	90	1474299	96.7	

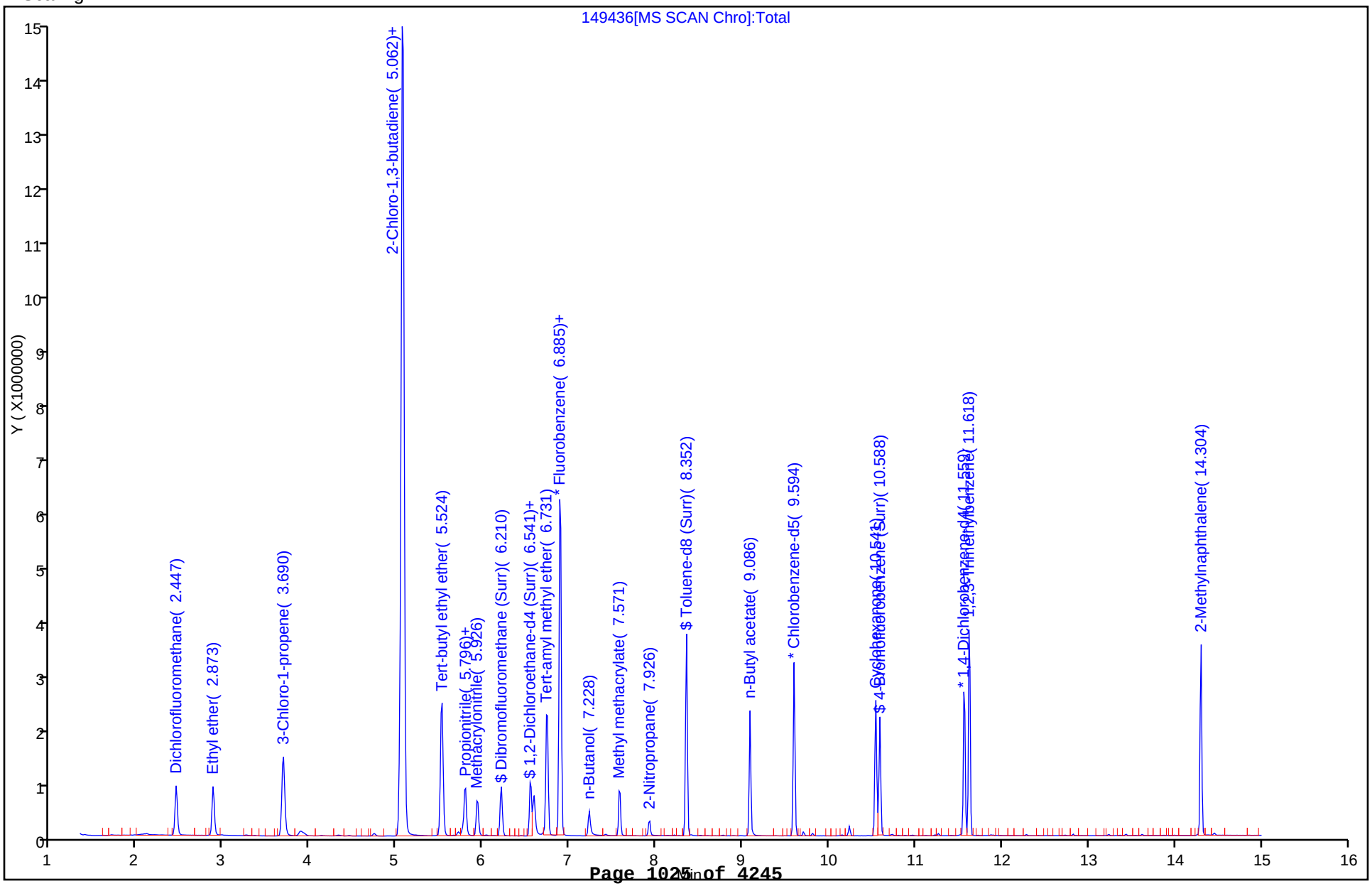
Report Date: 27-Nov-2012 09:27:57 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149436.D

Injection Date:	26-Nov-2012 12:28:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	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.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66239/4 Calibration Date: 11/26/2012 12:28

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: 149436.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		0.2176		0.0438	0.0500	-12.4	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2795		0.0454	0.0500	-9.2	20.0
Toluene-d8 (Surr)	Lin1		1.432		0.0459	0.0500	-8.2	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.8863		0.0445	0.0500	-11.1	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\149436.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	26-Nov-2012 12:28:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:	240-0015258-004 =240-0015258-004		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	3
Lims Batch ID:	66239	Lims Sample ID:	4
Sublist:	chrom-8260_14*sub15		
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m		
Last Update:	27-Nov-2012 09:27:57	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:	XAWRK019		
First Level Reviewer: macenczaks		Date:	26-Nov-2012 12:45:08

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	2288503	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.594	0.0	95	1321337	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.570	0.0	97	642178	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	72	498040	43.8	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.541	0.0	92	639579	45.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1891845	45.9	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.588	0.0	88	569166	44.5	
17 Dichlorofluoromethane	67	2.447	2.447	0.0	83	921339	37.0	
19 Ethyl ether	59	2.873	2.873	0.0	96	598091	53.0	
29 3-Chloro-1-propene	76	3.690	3.690	0.0	86	286429	41.0	
39 2-Chloro-1,3-butadiene	53	5.039	5.039	0.0	87	1579982	54.1	
38 Isopropyl ether	87	5.074	5.074	0.0	97	2587740	223.5	
40 Tert-butyl ethyl ether	59	5.524	5.524	0.0	97	2189250	51.4	
44 Propionitrile	54	5.760	5.760	0.0	99	163108	108.2	
45 Ethyl acetate	43	5.796	5.796	0.0	99	1091288	133.7	
46 Methacrylonitrile	41	5.926	5.926	0.0	97	364687	55.5	
54 Isobutyl alcohol	41	6.589	6.589	0.0	92	335223	1009.1	
57 Tert-amyl methyl ether	73	6.743	6.743	0.0	85	1189276	45.5	
58 n-Heptane	100	6.896	6.896	0.0	94	189973	59.8	
59 n-Butanol	56	7.228	7.228	0.0	91	259391	1338.1	
64 Methyl methacrylate	41	7.571	7.571	0.0	87	442861	65.5	
68 2-Nitropropane	41	7.926	7.926	0.0	98	148110	125.6	
132 n-Butyl acetate	43	9.086	9.086	0.0	0	1333685	0	
89 Cyclohexanone	55	10.541	10.541	0.0	94	1072209	565.1	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	98	1885234	49.0	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	90	1474299	96.7	

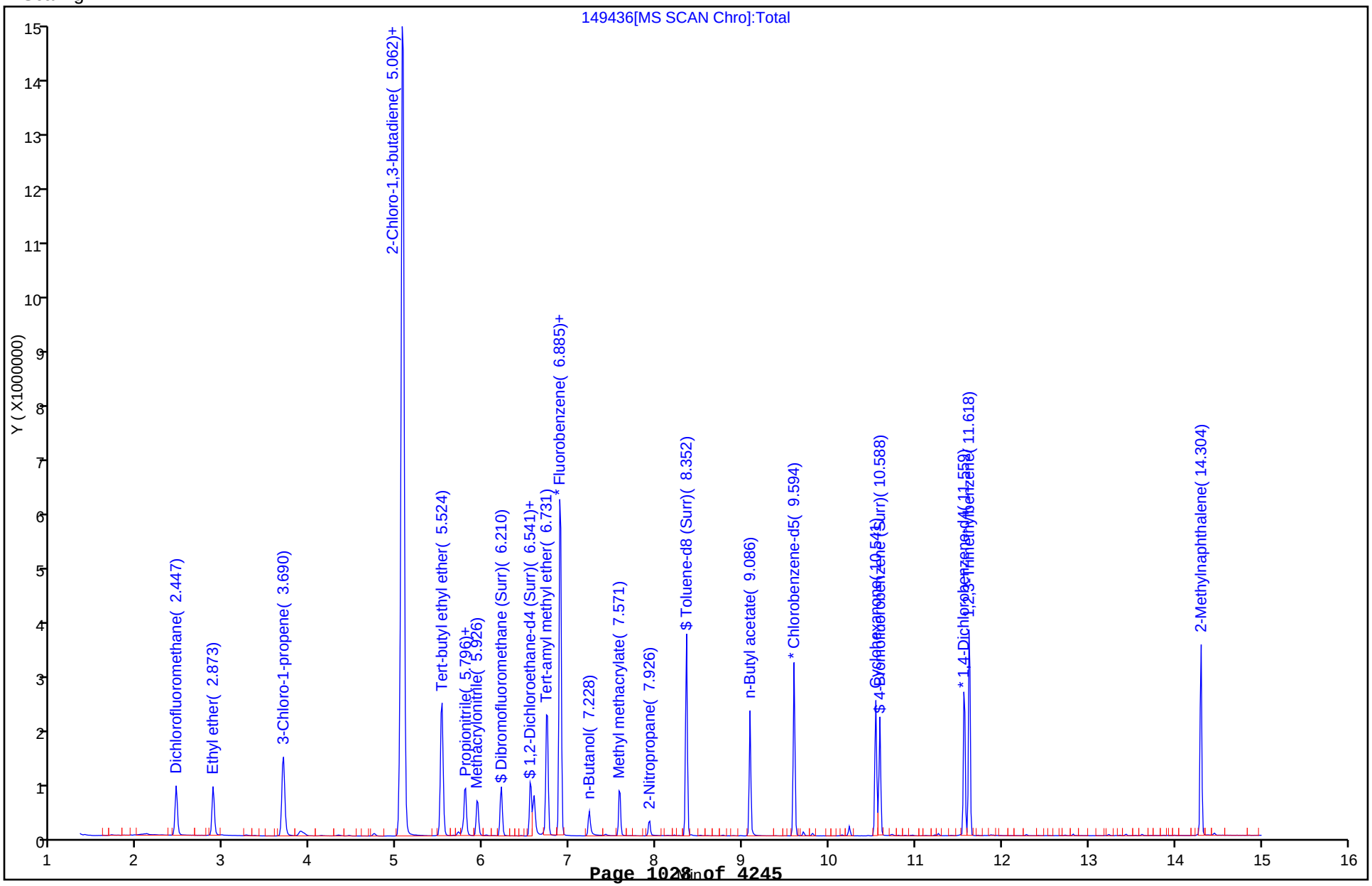
Report Date: 27-Nov-2012 09:27:57 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149436.D

Injection Date:	26-Nov-2012 12:28:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	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.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66239/10 Calibration Date: 11/26/2012 12:49

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: 149437.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	0.2400	0.1000	0.0434	0.0500	-13.2	20.0
Chloromethane	Ave	0.4959	0.4511	0.1000	0.0455	0.0500	-9.0	20.0
Vinyl chloride	Ave	0.3717	0.3543	0.1000	0.0477	0.0500	-4.7	20.0
Bromomethane	Ave	0.1059	0.1005	0.0500	0.0475	0.0500	-5.1	20.0
Chloroethane	Ave	0.1849	0.1784	0.0500	0.0482	0.0500	-3.5	20.0
Trichlorofluoromethane	Ave	0.2992	0.2913	0.1000	0.0487	0.0500	-2.6	20.0
1,1-Dichloroethene	Ave	0.2265	0.2145	0.1000	0.0473	0.0500	-5.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2112	0.2002	0.0500	0.0474	0.0500	-5.2	20.0
Acetone	Lin1		0.0779	0.0500	0.102	0.100	1.6	20.0
Iodomethane	Ave	0.3874	0.3686		0.0476	0.0500	-4.9	20.0
Carbon disulfide	Lin1		0.4611	0.1000	0.0398	0.0500	-20.3*	20.0
Methyl acetate	Ave	0.2374	0.2253	0.1000	0.0949	0.100	-5.1	20.0
Methylene Chloride	Lin1		0.2418	0.1000	0.0465	0.0500	-7.0	20.0
2-Methyl-2-propanol	Ave	0.0156	0.0141		0.903	1.00	-9.7	20.0
trans-1,2-Dichloroethene	Ave	0.2671	0.2606	0.1000	0.0488	0.0500	-2.4	20.0
Methyl tert-butyl ether	Ave	0.5793	0.5611	0.1000	0.0484	0.0500	-3.1	20.0
1,1-Dichloroethane	Ave	0.5878	0.5735	0.1000	0.0488	0.0500	-2.4	20.0
Vinyl acetate	Ave	0.0301	0.0276		0.0459	0.0500	-8.2	20.0
2,2-Dichloropropane	Ave	0.2006	0.2055		0.0512	0.0500	2.4	20.0
cis-1,2-Dichloroethene	Ave	0.2874	0.2759	0.1000	0.0480	0.0500	-4.0	20.0
2-Butanone (MEK)	Ave	0.1223	0.1144	0.0500	0.0935	0.100	-6.5	20.0
Bromochloromethane	Ave	0.1316	0.1279		0.0486	0.0500	-2.8	20.0
Chloroform	Ave	0.4567	0.4441	0.2000	0.0486	0.0500	-2.8	20.0
1,1,1-Trichloroethane	Ave	0.3442	0.3330	0.1000	0.0484	0.0500	-3.2	20.0
Cyclohexane	Ave	0.7470	0.7229	0.1000	0.0484	0.0500	-3.2	20.0
1,1-Dichloropropene	Ave	0.3682	0.3728		0.0506	0.0500	1.2	20.0
Carbon tetrachloride	Lin1		0.3093	0.1000	0.0451	0.0500	-9.9	20.0
Benzene	Ave	1.031	0.9916	0.5000	0.0481	0.0500	-3.9	20.0
1,2-Dichloroethane	Ave	0.4250	0.4039	0.1000	0.0475	0.0500	-5.0	20.0
Trichloroethene	Ave	0.2938	0.2958	0.2000	0.0503	0.0500	0.7	20.0
Methylcyclohexane	Ave	0.5164	0.5045	0.1000	0.0488	0.0500	-2.3	20.0
1,2-Dichloropropane	Ave	0.3038	0.3031	0.1000	0.0499	0.0500	-0.2	20.0
Dibromomethane	Ave	0.1204	0.1159		0.0481	0.0500	-3.7	20.0
Bromodichloromethane	Lin1		0.2512	0.1000	0.0438	0.0500	-12.3	20.0
cis-1,3-Dichloropropene	Lin1		0.3039	0.1500	0.0445	0.0500	-11.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3731	0.3821	0.0500	0.102	0.100	2.4	20.0
Toluene	Ave	1.728	1.691	0.4000	0.0489	0.0500	-2.2	20.0
trans-1,3-Dichloropropene	Lin1		0.3961	0.1000	0.0447	0.0500	-10.6	20.0
1,1,2-Trichloroethane	Ave	0.2601	0.2605	0.1000	0.0501	0.0500	0.2	20.0
Tetrachloroethene	Ave	0.3831	0.3750	0.2000	0.0489	0.0500	-2.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66239/10 Calibration Date: 11/26/2012 12:49

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: 149437.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	0.4583		0.0492	0.0500	-1.6	20.0
2-Hexanone	Ave	0.2202	0.2274	0.0500	0.103	0.100	3.3	20.0
Dibromochloromethane	Lin1		0.2636		0.0427	0.0500	-14.7	20.0
1,2-Dibromoethane	Ave	0.2561	0.2591		0.0506	0.0500	1.1	20.0
Chlorobenzene	Ave	1.110	1.069	0.3000	0.0482	0.0500	-3.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3614	0.3592		0.0497	0.0500	-0.6	20.0
Ethylbenzene	Ave	0.5831	0.5848		0.0501	0.0500	0.3	20.0
m-Xylene & p-Xylene	Ave	0.7120	0.7071		0.0993	0.100	-0.7	20.0
o-Xylene	Ave	0.6886	0.6838		0.0497	0.0500	-0.7	20.0
Styrene	Ave	0.9852	1.017	0.3000	0.0516	0.0500	3.3	20.0
Bromoform	Qua		0.1218	0.1000	0.0450	0.0500	-10.0	20.0
Isopropylbenzene	Ave	1.778	1.854	0.1000	0.0521	0.0500	4.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5612	0.5733	0.3000	0.0511	0.0500	2.2	20.0
Bromobenzene	Ave	0.8755	0.8475		0.0484	0.0500	-3.2	20.0
1,2,3-Trichloropropane	Ave	0.1860	0.1825		0.0491	0.0500	-1.9	20.0
N-Propylbenzene	Ave	0.996	1.051		0.0528	0.0500	5.5	20.0
2-Chlorotoluene	Ave	0.9085	0.9018		0.0496	0.0500	-0.7	20.0
1,3,5-Trimethylbenzene	Ave	2.948	3.087		0.0524	0.0500	4.7	20.0
4-Chlorotoluene	Ave	0.8826	0.8760		0.0496	0.0500	-0.7	20.0
tert-Butylbenzene	Ave	2.819	2.978		0.0528	0.0500	5.6	20.0
1,2,4-Trimethylbenzene	Ave	2.913	2.983		0.0512	0.0500	2.4	20.0
sec-Butylbenzene	Ave	3.716	3.912		0.0526	0.0500	5.3	20.0
1,3-Dichlorobenzene	Ave	1.719	1.645	0.6000	0.0478	0.0500	-4.3	20.0
4-Isopropyltoluene	Ave	3.278	3.439		0.0525	0.0500	4.9	20.0
1,4-Dichlorobenzene	Ave	1.750	1.636	0.5000	0.0467	0.0500	-6.5	20.0
n-Butylbenzene	Ave	2.701	2.812		0.0520	0.0500	4.1	20.0
1,2-Dichlorobenzene	Ave	1.612	1.472	0.4000	0.0457	0.0500	-8.6	20.0
1,2-Dibromo-3-Chloropropane	Qua		0.0722	0.0500	0.0416	0.0500	-16.8	20.0
1,2,4-Trichlorobenzene	Ave	1.101	0.9037	0.2000	0.0411	0.0500	-17.9	20.0
Hexachlorobutadiene	Ave	0.5388	0.4603		0.0427	0.0500	-14.6	20.0
Naphthalene	Ave	2.089	1.611		0.0386	0.0500	-22.9*	20.0
1,2,3-Trichlorobenzene	Ave	0.8675	0.6676		0.0385	0.0500	-23.0*	20.0
Dibromofluoromethane (Surr)	Lin1		0.2277		0.0459	0.0500	-8.3	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2784		0.0452	0.0500	-9.6	20.0
Toluene-d8 (Surr)	Lin1		1.446		0.0464	0.0500	-7.2	20.0
4-Bromofluorobenzene (Surr)	Lin1		0.9024		0.0453	0.0500	-9.4	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149437.D
Lims ID: CCVIS Client ID:
Inject. Date: 26-Nov-2012 12:49:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: ccvis
Misc. Info.: 240-0015258-010 =240-0015258-010
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 66239 Lims Sample ID: 10
Sublist: chrom-8260_14*sub16
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 26-Nov-2012 13:07:32

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	2337143	50.0	
* 2 Chlorobenzene-d5	117	9.595	9.595	0.0	98	1401178	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.559	0.0	99	665415	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	68	532101	45.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	650607	45.2	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	2026505	46.4	
$ 131 4-Bromofluorobenzene (Surr)	95	10.589	10.589	0.0	91	600483	45.3	
12 Dichlorodifluoromethane	85	1.430	1.430	0.0	88	560999	43.4	
13 Chloromethane	50	1.607	1.607	0.0	89	1054157	45.5	
14 Vinyl chloride	62	1.737	1.737	0.0	83	827982	47.7	
15 Bromomethane	94	2.069	2.069	0.0	91	234839	47.5	
16 Chloroethane	64	2.187	2.187	0.0	94	416964	48.2	
18 Trichlorofluoromethane	101	2.507	2.507	0.0	86	680755	48.7	
20 Acrolein	56	3.027	3.027	0.0	94	759070	439.3	
21 1,1-Dichloroethene	96	3.146	3.146	0.0	82	501339	47.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	84	467788	47.4	
22 Acetone	43	3.252	3.252	0.0	98	364021	101.6	
24 Iodomethane	142	3.347	3.347	0.0	99	861412	47.6	
26 Carbon disulfide	76	3.418	3.418	0.0	98	1077662	39.8	
27 Acetonitrile	41	3.654	3.654	0.0	98	575336	443.6	
28 Methyl acetate	43	3.761	3.761	0.0	98	1053070	94.9	
30 Methylene Chloride	84	3.879	3.879	0.0	87	565183	46.5	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	90	656950	903.1	
32 Acrylonitrile	53	4.293	4.293	0.0	98	480217	95.9	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	87	609083	48.8	
34 Methyl tert-butyl ether	73	4.353	4.353	0.0	88	1311318	48.4	
35 Hexane	86	4.743	4.743	0.0	94	167715	49.8	
36 1,1-Dichloroethane	63	4.921	4.921	0.0	85	1340278	48.8	
37 Vinyl acetate	86	5.039	5.039	0.0	97	64522	45.9	

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	480255	51.2	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	644708	48.0	
41 2-Butanone (MEK)	43	5.702	5.702	0.0	95	534846	93.5	
47 Chlorobromomethane	128	5.926	5.926	0.0	87	298875	48.6	
48 Tetrahydrofuran	42	5.974	5.974	0.0	91	172884	46.3	
49 Chloroform	83	6.033	6.033	0.0	84	1037801	48.6	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	91	778301	48.4	
51 Cyclohexane	56	6.258	6.258	0.0	91	1689491	48.4	
53 Carbon tetrachloride	117	6.388	6.388	0.0	67	722855	45.1	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	871166	50.6	
55 Benzene	78	6.601	6.601	0.0	96	2317603	48.1	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	89	943953	47.5	
60 Trichloroethene	130	7.240	7.240	0.0	88	691260	50.3	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	1179017	48.8	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	90	708279	49.9	
65 Dibromomethane	93	7.559	7.559	0.0	83	270957	48.1	
66 1,4-Dioxane	88	7.583	7.583	0.0	88	176481	2450.4	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	587012	43.8	
69 2-Chloroethyl vinyl ether	63	7.985	7.985	0.0	89	520602	97.1	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	83	710357	44.5	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	1070657	102.4	
72 Toluene	91	8.411	8.411	0.0	91	2368767	48.9	
73 trans-1,3-Dichloropropene	75	8.601	8.601	0.0	91	555030	44.7	
74 Ethyl methacrylate	69	8.683	8.683	0.0	92	462907	50.0	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	365059	50.1	
77 Tetrachloroethene	164	8.885	8.885	0.0	90	525371	48.9	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	95	642156	49.2	
78 2-Hexanone	43	8.979	8.979	0.0	99	637332	103.3	
79 Chlorodibromomethane	129	9.109	9.109	0.0	87	369300	42.7	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	362980	50.6	
82 Chlorobenzene	112	9.618	9.618	0.0	91	1497597	48.2	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	503263	49.7	
84 Ethylbenzene	106	9.713	9.713	0.0	98	819338	50.1	
10 m-Xylene & p-Xylene	106	9.808	9.808	0.0	98	1981453	99.3	
85 o-Xylene	106	10.151	10.151	0.0	95	958119	49.7	
86 Styrene	104	10.151	10.151	0.0	91	1425281	51.6	
87 Bromoform	173	10.316	10.316	0.0	95	170593	45.0	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2597532	52.1	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	80	381501	51.1	
91 Bromobenzene	156	10.719	10.719	0.0	92	563925	48.4	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	80	121454	49.1	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.742	0.0	57	143066	48.5	
94 N-Propylbenzene	120	10.802	10.802	0.0	97	699491	52.8	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	600054	49.6	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	2054372	52.4	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	582921	49.6	
97 tert-Butylbenzene	119	11.227	11.227	0.0	81	1981345	52.8	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	1985006	51.2	
99 sec-Butylbenzene	105	11.405	11.405	0.0	96	2603030	52.6	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	85	1094292	47.8	
101 4-Isopropyltoluene	119	11.523	11.523	0.0	92	2288439	52.5	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	92	1088529	46.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
105 n-Butylbenzene	91	11.866	11.866	0.0	95	1870815	52.0	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	97	979762	45.7	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	73	48014	41.6	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	736255	43.8	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	601355	41.1	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	95	306297	42.7	
111 Naphthalene	128	13.440	13.440	0.0	97	1072167	38.6	
112 1,2,3-Trichlorobenzene	180	13.618	13.618	0.0	93	444236	38.5	
S 137 Trihalomethanes, Total	1				0		180.1	
S 11 1,2-Dichloroethene, Total	96				0		96.8	
S 9 1,3-Dichloropropene, Total	75				0		89.2	
S 114 Xylenes, Total	106				0		149.0	

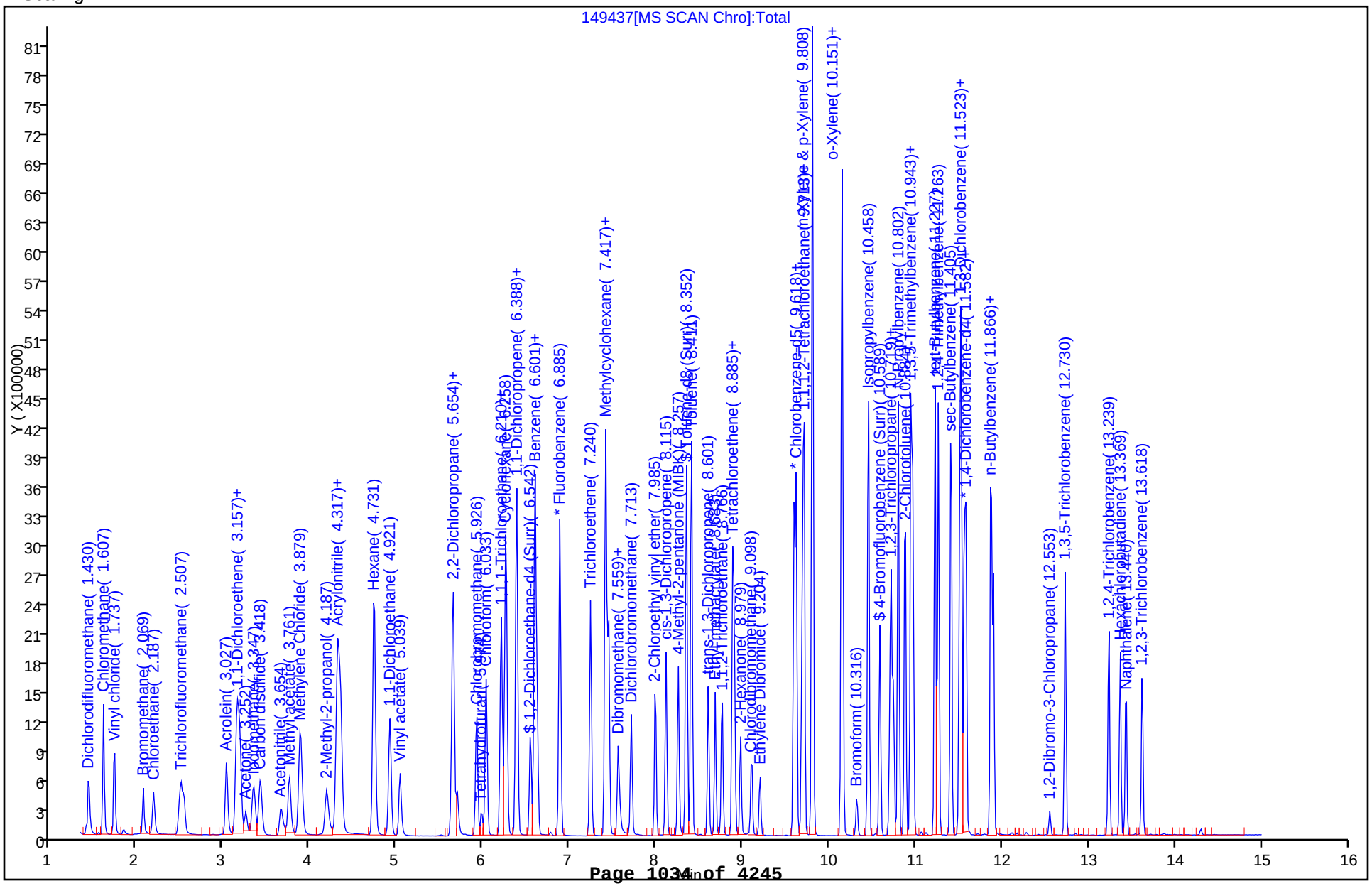
Report Date: 27-Nov-2012 09:27:59 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149437.D

Injection Date:	26-Nov-2012 12:49:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	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	

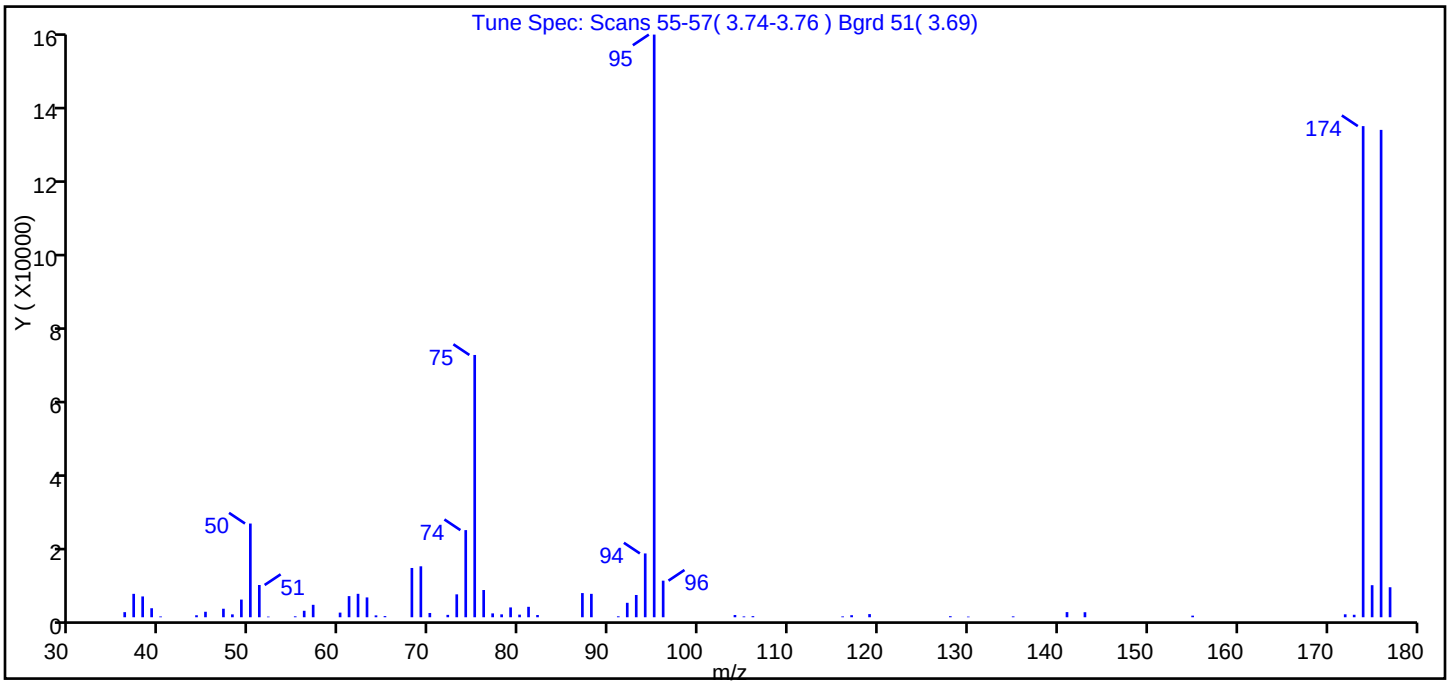
Report Date: 14-Nov-2012 12:22:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

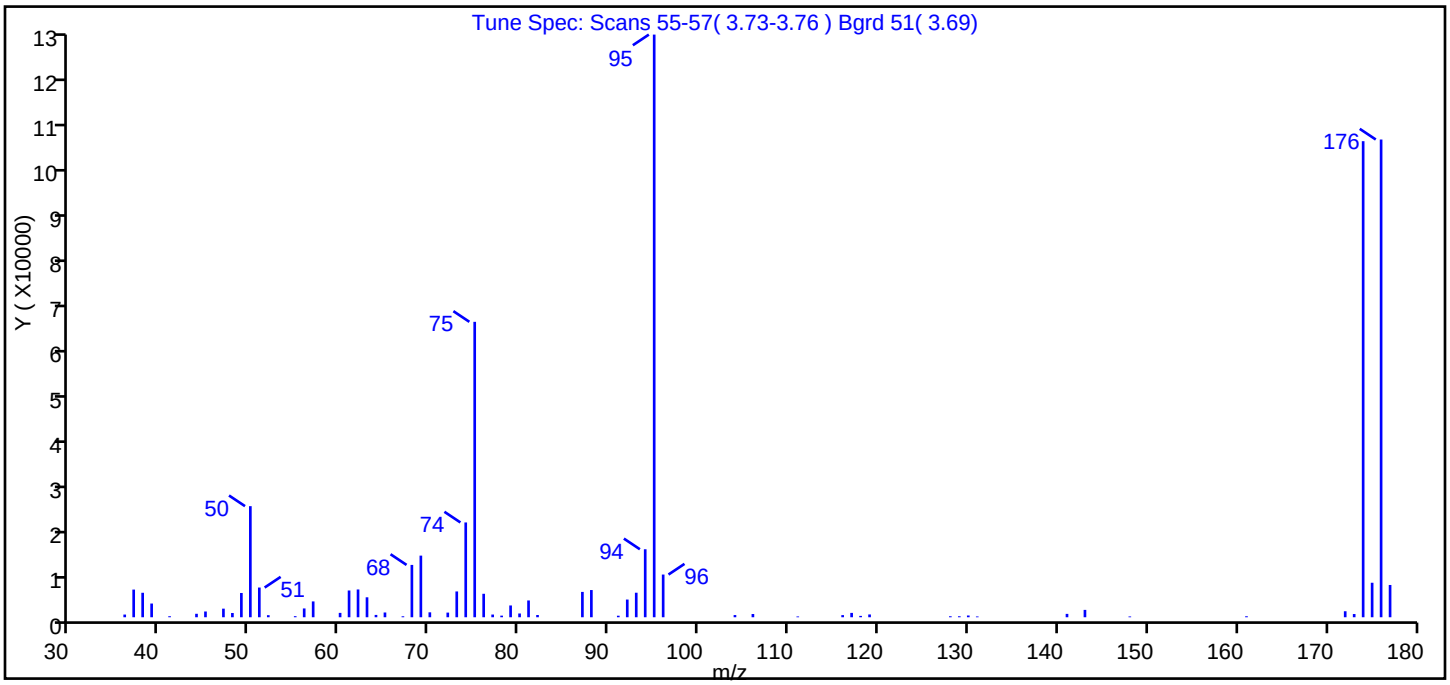
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	3.746	3.746	0.0	0	394901	0	

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

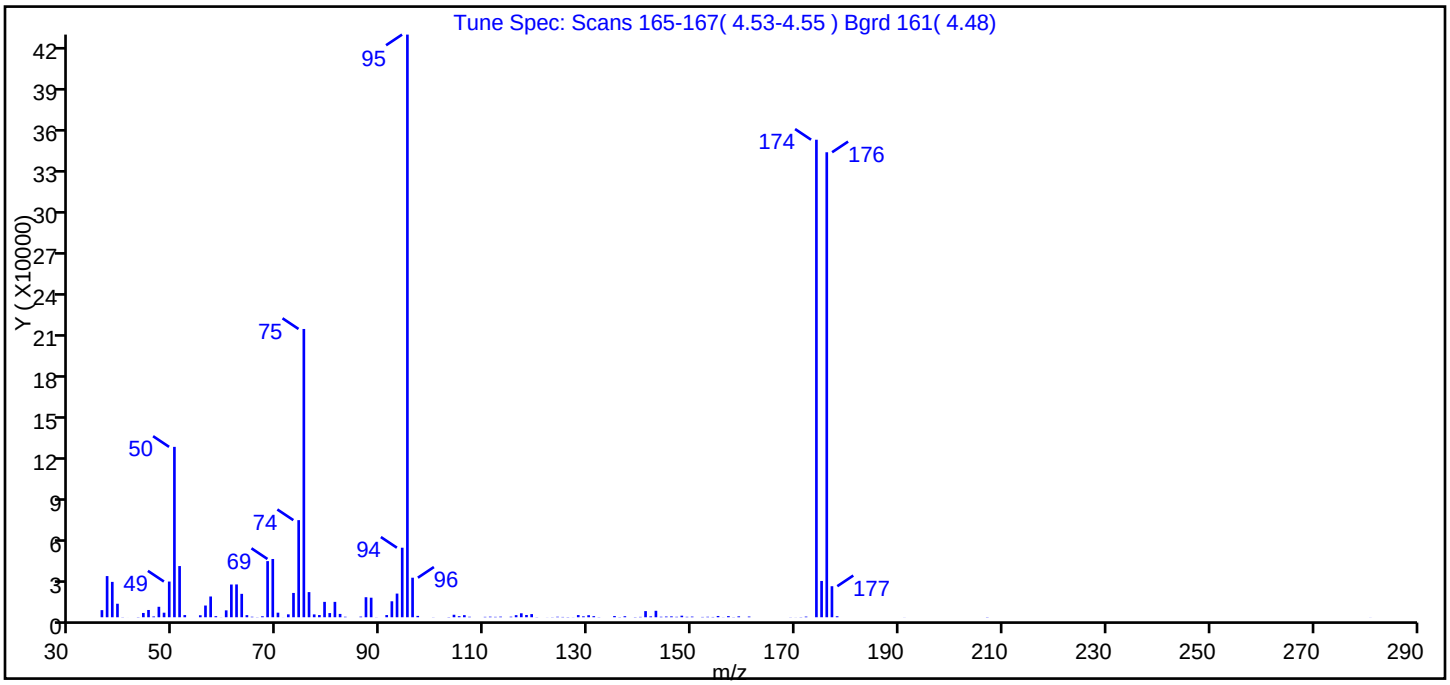
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.538	4.538	0.0	0	1008650	0	

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\20121126-15258.b\BFB14290.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	26-Nov-2012 11:23:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	240-0015258-001 =240-0015258-001		
Operator:	002808	Instrument ID:	A3UX14
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	66239	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m		
Last Update:	27-Nov-2012 09:27:56	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:	XAWRK019		
First Level Reviewer: macenczaks		Date:	26-Nov-2012 12:24:05

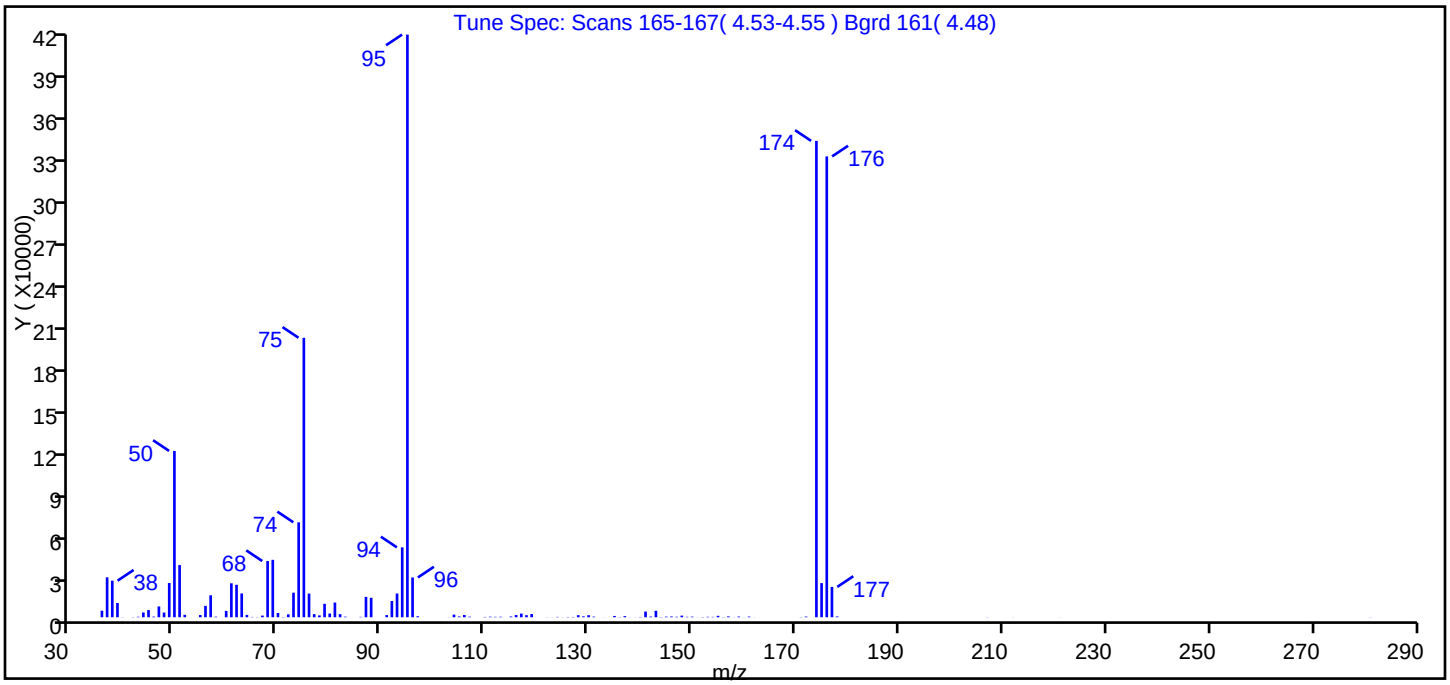
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.538	4.538	0.0	0	960916	0	

MS Tune Report

TestAmerica Canton

Data File:	\\NCChrom\ChromData\A3UX14\20121126-15258.b\BFB14290.D		
Injection Date:	26-Nov-2012 11:23:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	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	28.55
75	30.00 - 60.00% of mass 95	47.96
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	81.76
175	5.00 - 9.00% of mass 174	5.86 (7.17)
176	95.00 - 101.00% of mass 174	79.09 (96.74)
177	5.00 - 9.00% of mass 176	5.21 (6.59)

Report Date: 27-Nov-2012 09:27:56 Chrom Revision: 2.0 15-Nov-2012 14:43:54

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\BFB14290.D\8260_14.rslt\spectra.d
Injection Date: 26-Nov-2012 11:23:30
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: 118

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4611	70.00	3010	111.00	392	146.00	550
37.00	28096	71.00	164	112.00	295	147.00	351
38.00	25760	72.00	2043	113.00	357	148.00	1155
39.00	10049	73.00	17304	115.00	532	149.00	308
40.00	107	74.00	66848	116.00	1568	150.00	429
42.00	129	75.00	196736	117.00	2593	151.00	53
43.00	355	76.00	16672	118.00	1473	152.00	172
44.00	3366	77.00	2217	119.00	2262	153.00	318
45.00	5067	78.00	1291	122.00	73	154.00	257
46.00	459	79.00	9459	123.00	52	155.00	1018
47.00	7632	80.00	2624	124.00	256	156.00	156
48.00	3311	81.00	10360	125.00	72	157.00	602
49.00	24120	82.00	2164	126.00	200	158.00	68
50.00	117104	83.00	402	127.00	199	159.00	502
51.00	36736	86.00	272	128.00	1459	160.00	62
52.00	1731	87.00	14350	129.00	627	161.00	479
55.00	1553	88.00	13708	130.00	1444	162.00	50
56.00	8033	91.00	1526	131.00	449	171.00	144
57.00	15481	92.00	11442	133.00	53	172.00	482
58.00	412	93.00	16720	135.00	913	174.00	335360
60.00	4470	94.00	49200	136.00	131	175.00	24040
61.00	23904	95.00	410176	137.00	804	176.00	324416
62.00	22864	96.00	28008	138.00	69	177.00	21368
63.00	16744	97.00	715	139.00	65	178.00	551
64.00	1649	103.00	80	140.00	214	207.00	90
65.00	223	104.00	1859	141.00	4014	212.00	51
66.00	118	105.00	543	142.00	491	221.00	53
67.00	1168	106.00	1589	143.00	4555	281.00	79
68.00	39568	107.00	402	144.00	180		
69.00	40424	110.00	227	145.00	435		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

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.: 240-17796-1

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

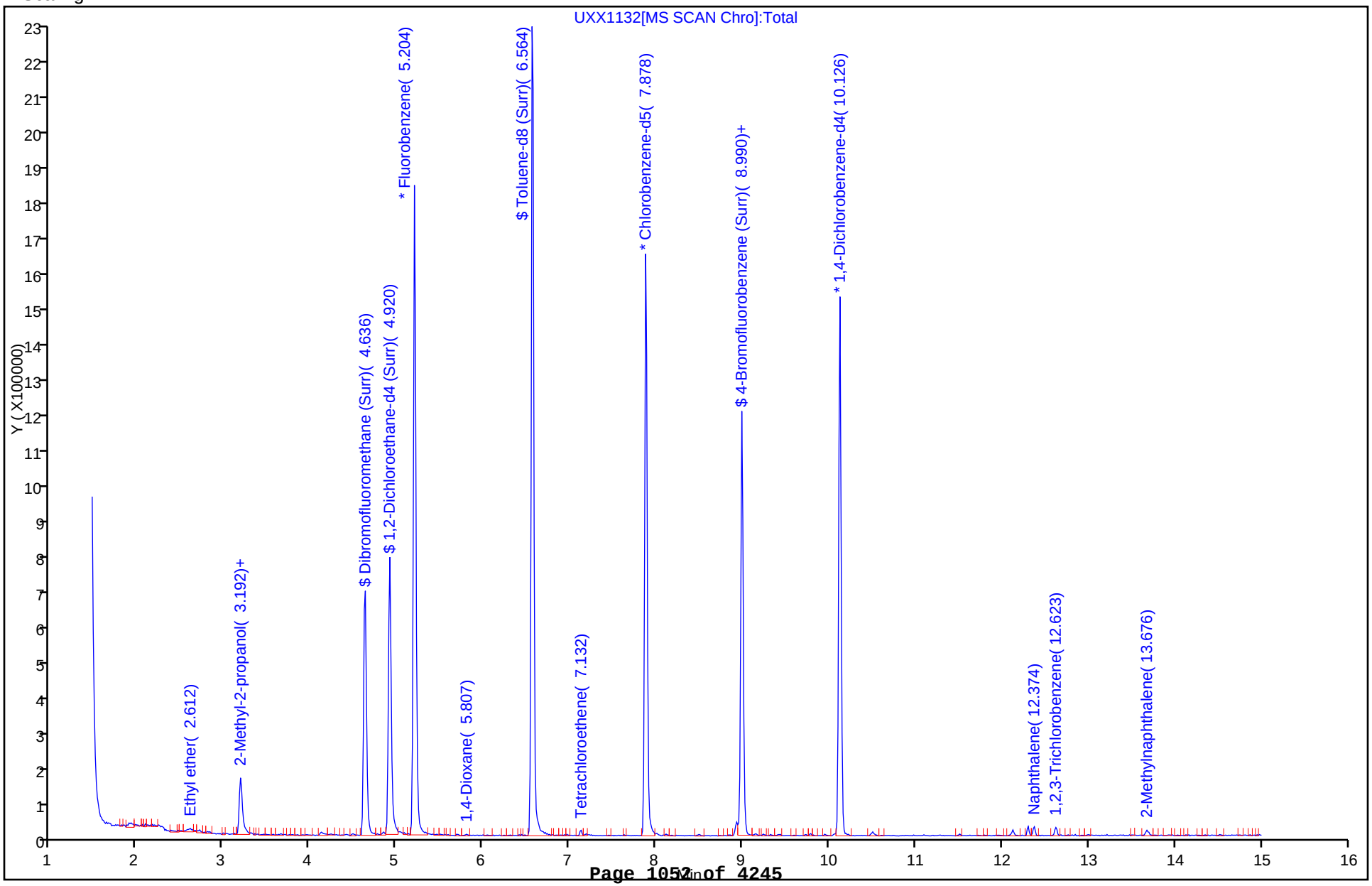
Report Date: 23-Nov-2012 08:56:54 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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:



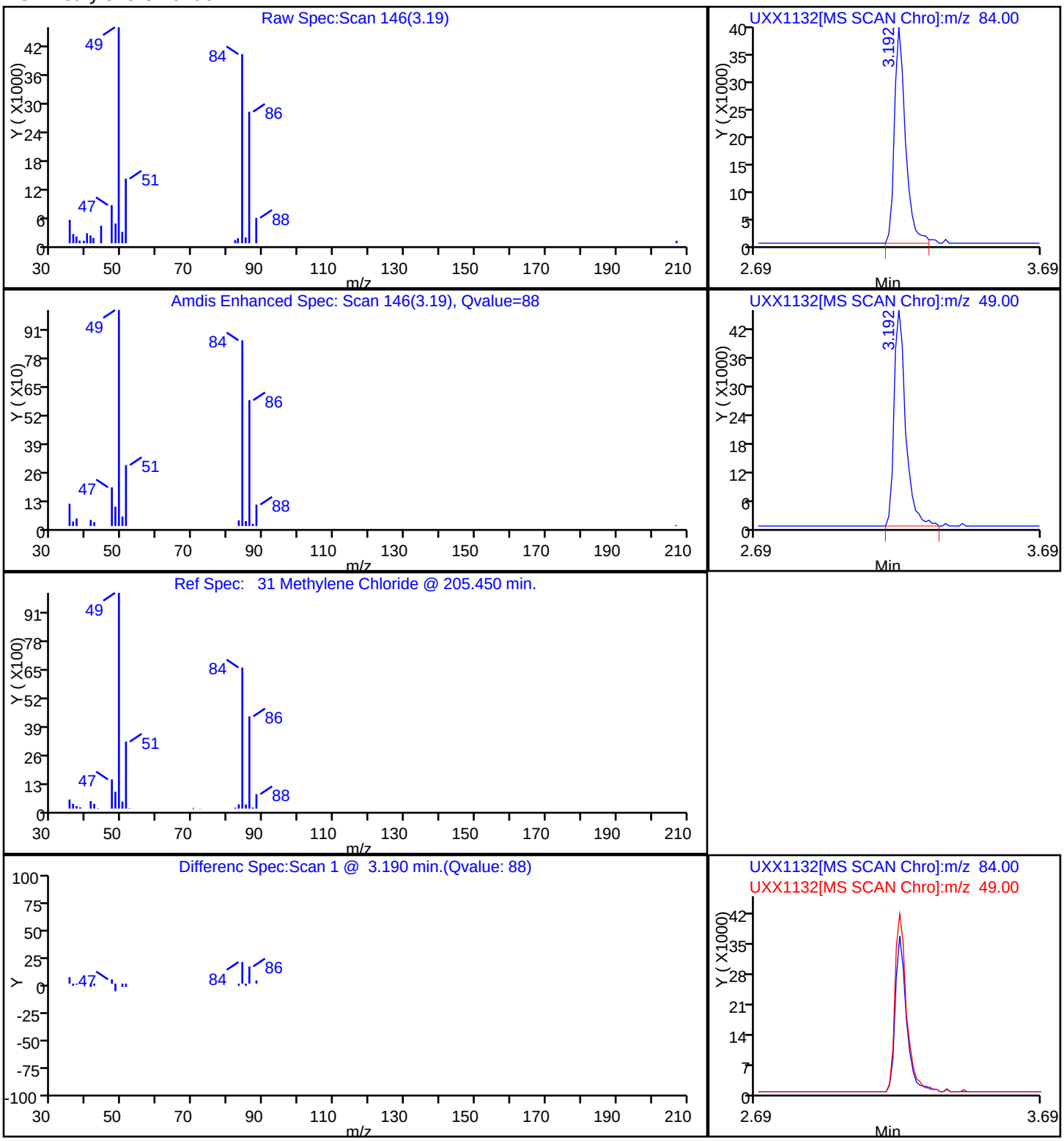
Report Date: 23-Nov-2012 08:56:55 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66239/8

Matrix: Solid | Lab File ID: 149441.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2012 14:15

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.: 66239 | 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	0.785	J	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	11.2	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	0.50	U	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.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-66239/8

Matrix: Solid Lab File ID: 149441.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/26/2012 14:15

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.: 66239 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-130
2037-26-5	Toluene-d8 (Surr)	89		85-115
460-00-4	4-Bromofluorobenzene (Surr)	85		85-120
1868-53-7	Dibromofluoromethane (Surr)	82		59-138

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149441.D
Lims ID: MB Client ID:
Inject. Date: 26-Nov-2012 14:15:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: mb
Misc. Info.: 240-0015258-008 =240-0015258-008
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 66239 Lims Sample ID: 8
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 26-Nov-2012 14:34:33

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	2183703	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	97	1280862	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.559	0.011	98	626936	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	72	444615	40.9	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	92	610167	45.4	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1785715	44.7	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	532305	42.6	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85		1.430					9
13 Chloromethane	50		1.607					
14 Vinyl chloride	62		1.737					9
15 Bromomethane	94		2.069					
16 Chloroethane	64		2.187					
17 Dichlorofluoromethane	67		2.447					9
18 Trichlorofluoromethane	101		2.507					
19 Ethyl ether	59		2.873					
25 Methylal	45		2.932					9
20 Acrolein	56	3.027	3.027	0.0	61	1283	0.7946	
21 1,1-Dichloroethene	96		3.146					
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.181					
22 Acetone	43	3.252	3.252	0.0	98	55873	11.2	
24 Iodomethane	142		3.347					9
26 Carbon disulfide	76		3.418					9
27 Acetonitrile	41	3.690	3.654	0.036	85	2325	1.92	
29 3-Chloro-1-propene	76		3.690					
28 Methyl acetate	43	3.773	3.761	0.012	63	5652	0.5451	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
30 Methylene Chloride	84	3.879	3.879	0.0	86	43642	0.3400	
31 2-Methyl-2-propanol	59		4.187					
32 Acrylonitrile	53	4.305	4.293	0.012	56	2323	0.4967	
33 trans-1,2-Dichloroethene	96		4.317					9
34 Methyl tert-butyl ether	73		4.353					9
35 Hexane	86	4.743	4.743	0.0	86	1174	0.3730	
36 1,1-Dichloroethane	63		4.921					9
39 2-Chloro-1,3-butadiene	53		5.039					
37 Vinyl acetate	86		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					9
41 2-Butanone (MEK)	43		5.702					
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					
46 Methacrylonitrile	41		5.926					9
47 Chlorobromomethane	128		5.926					
48 Tetrahydrofuran	42		5.974					
49 Chloroform	83		6.033					9
50 1,1,1-Trichloroethane	97		6.210					
51 Cyclohexane	56		6.258					9
53 Carbon tetrachloride	117		6.388					
52 1,1-Dichloropropene	75		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					
58 n-Heptane	100		6.896					
59 n-Butanol	56	7.228	7.228	0.0	93	7329	18.2	
60 Trichloroethene	130		7.240					9
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83		7.417					9
62 1,2-Dichloropropane	63		7.453					9
65 Dibromomethane	93		7.559					9
64 Methyl methacrylate	41		7.571					9
66 1,4-Dioxane	88		7.583					
67 Dichlorobromomethane	83		7.713					9
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63		7.985					
70 cis-1,3-Dichloropropene	75		8.115					9
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	75	3409	0.3567	
72 Toluene	91		8.411					
73 trans-1,3-Dichloropropene	75		8.601					9
74 Ethyl methacrylate	69		8.683					9
75 1,1,2-Trichloroethane	97		8.766					9
77 Tetrachloroethene	164		8.885					9
76 1,3-Dichloropropane	76		8.908					9
78 2-Hexanone	43	8.979	8.979	0.0	77	4428	0.7850	
132 n-Butyl acetate	43	9.085	9.086	-0.001	0	12006	0	
79 Chlorodibromomethane	129		9.109					9

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 Ethylene Dibromide	107	9.204	9.204	0.0	36	817	0.1245	
81 1-Chlorohexane	91	9.594	9.594	0.0	14	3052	0	
82 Chlorobenzene	112		9.618					9
83 1,1,1,2-Tetrachloroethane	131		9.689					
84 Ethylbenzene	106	9.713	9.713	0.0	19	1115	0.0746	7
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	91	3091	0.1695	
85 o-Xylene	106		10.151					
86 Styrene	104	10.162	10.151	0.011	58	3380	0.1339	
87 Bromoform	173		10.316					
88 Isopropylbenzene	105		10.458					9
89 Cyclohexanone	55	10.541	10.541	0.0	35	5251	2.86	
90 1,1,2,2-Tetrachloroethane	83		10.707					9
91 Bromobenzene	156	10.718	10.719	-0.001	80	1721	0.1568	
92 1,2,3-Trichloropropane	110		10.742					
93 trans-1,4-Dichloro-2-butene	53		10.742					9
94 N-Propylbenzene	120		10.802					
95 2-Chlorotoluene	126	10.884	10.884	0.0	50	985	0.0865	7
96 1,3,5-Trimethylbenzene	105		10.943					
104 4-Chlorotoluene	126	10.967	10.967	0.0	72	1441	0.1302	
97 tert-Butylbenzene	119		11.227					9
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	55	4472	0.1224	
99 sec-Butylbenzene	105		11.405					9
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	30	4338	0.2013	
101 4-Isopropyltoluene	119		11.523					
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	40	7630	0.3478	
103 1,2,3-Trimethylbenzene	105	11.630	11.618	0.012	6	4016	0.1069	
105 n-Butylbenzene	91	11.866	11.866	0.0	83	5025	0.1484	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	70	3564	0.1764	
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	67	5936	0.4302	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	20	792	0.1172	
111 Naphthalene	128	13.440	13.440	0.0	92	17621	0.6727	
112 1,2,3-Trichlorobenzene	180	13.617	13.618	-0.001	80	6274	0.5768	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	42	2952	0.1984	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	1698518	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	2030057	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				0		0.1695	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

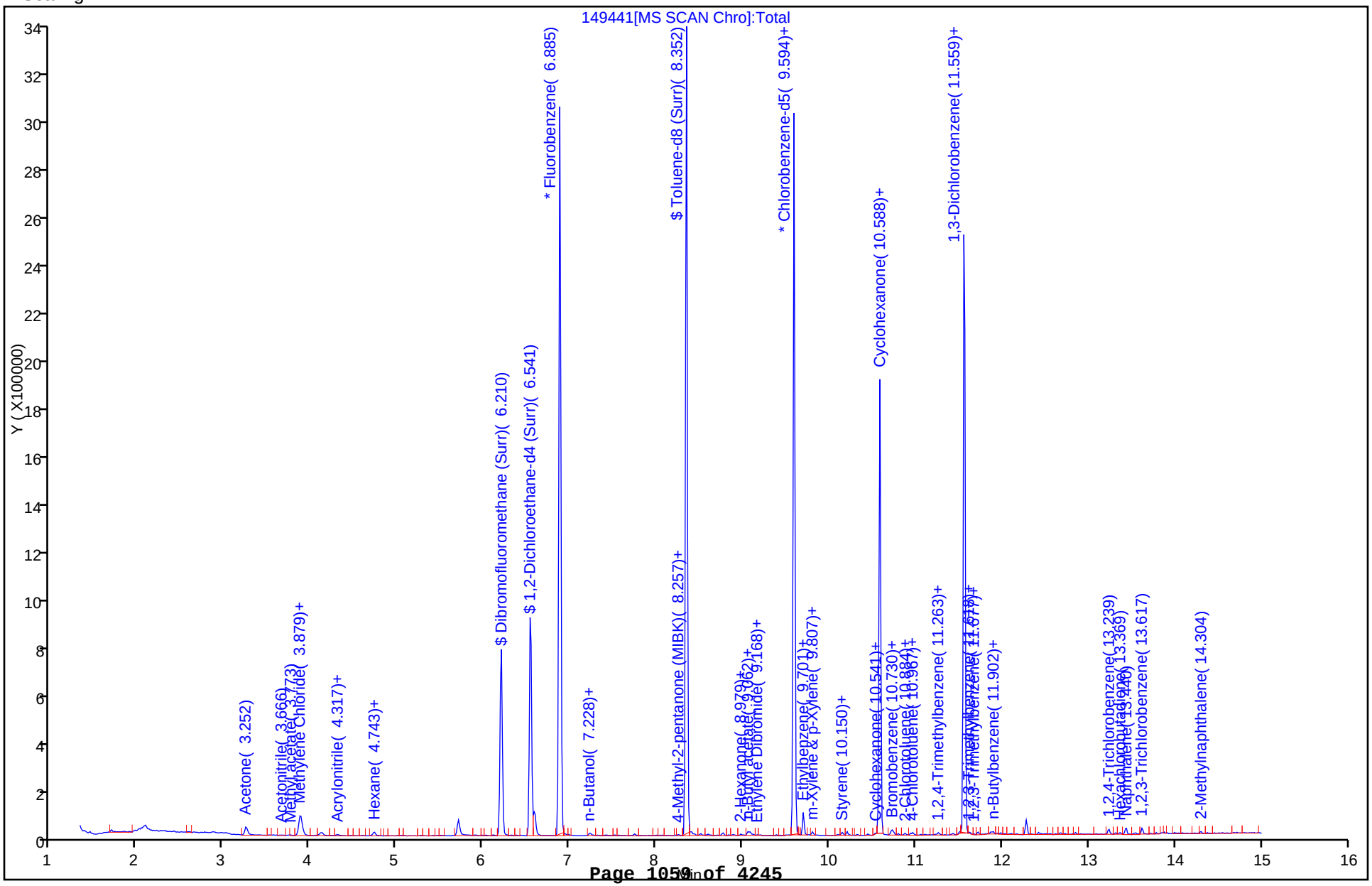
Report Date: 27-Nov-2012 09:28:03 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149441.D

Injection Date:	26-Nov-2012 14:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

Y Scaling:



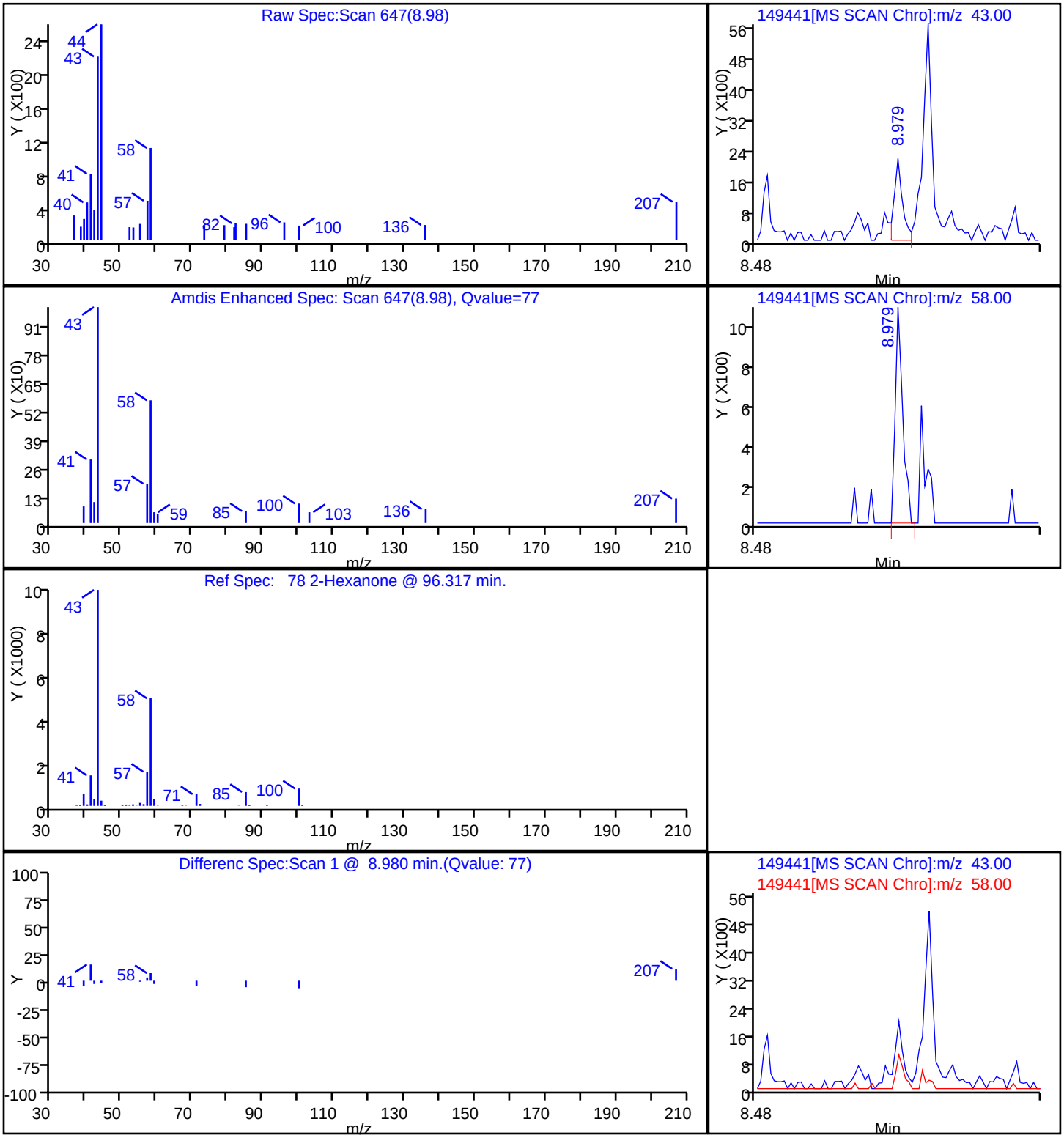
Report Date: 27-Nov-2012 09:28:03 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149441.D

Injection Date:	26-Nov-2012 14:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	8
Operator ID:	002808	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.18 mm

78 2-Hexanone



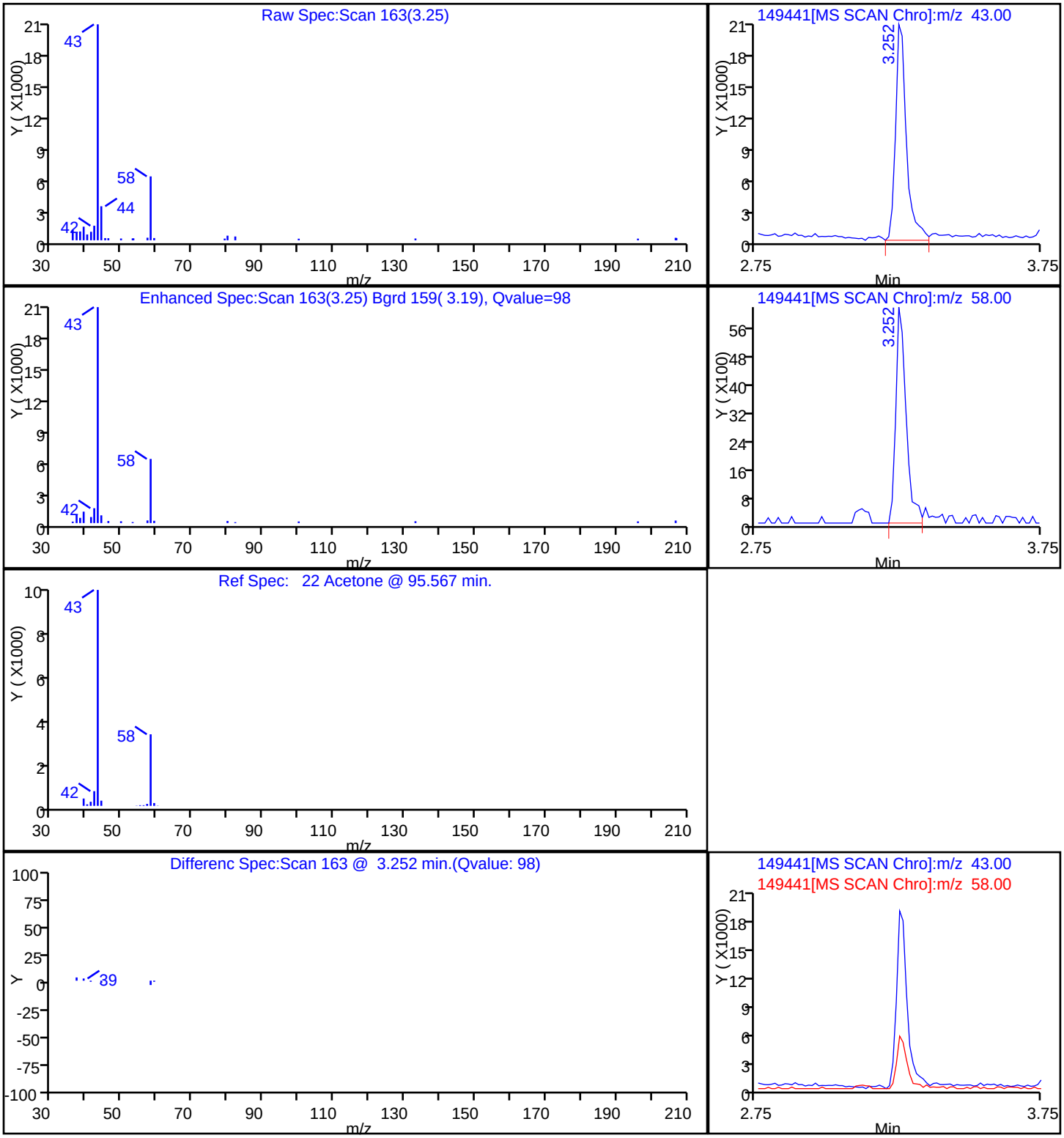
Report Date: 27-Nov-2012 09:28:03 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149441.D

Injection Date:	26-Nov-2012 14:15:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	8
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.: 240-17796-1

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.: 240-17796-1

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	

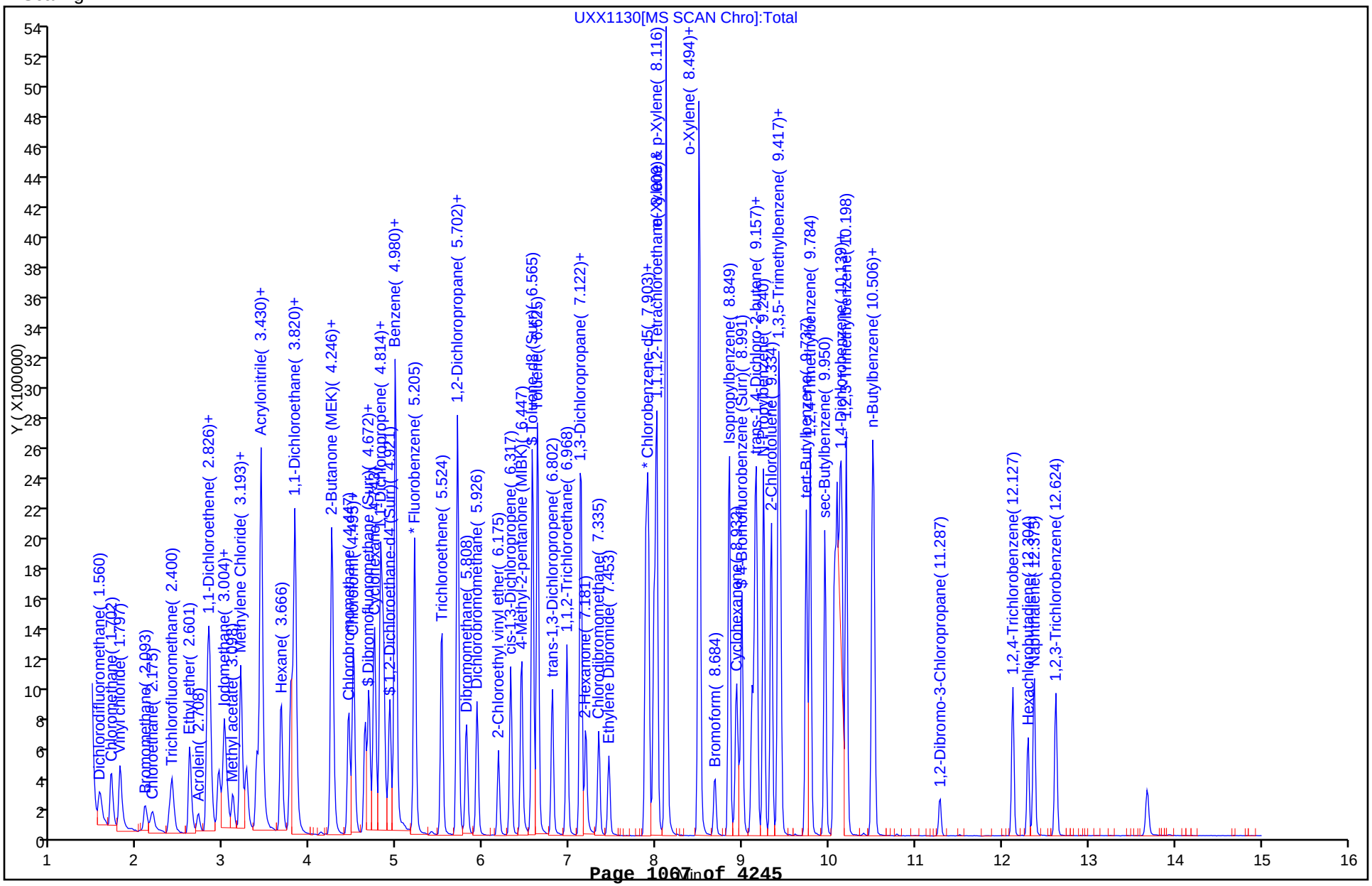
Report Date: 23-Nov-2012 08:56:28 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66239/7

Matrix: Solid | Lab File ID: 149440.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2012 13:54

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.: 66239 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	51.0		5.0	1.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	52.3		5.0	0.50	0.34
79-00-5	1,1,2-Trichloroethane	52.0		5.0	0.50	0.39
75-34-3	1,1-Dichloroethane	53.7		5.0	0.50	0.36
75-35-4	1,1-Dichloroethene	52.4		5.0	1.0	0.52
107-06-2	1,2-Dichloroethane	50.8		5.0	0.50	0.34
540-59-0	1,2-Dichloroethene, Total	103		10	1.0	0.77
78-87-5	1,2-Dichloropropane	53.0		5.0	1.0	0.69
78-93-3	2-Butanone (MEK)	101		20	2.0	1.4
591-78-6	2-Hexanone	105		20	1.0	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	107		20	1.0	0.54
67-64-1	Acetone	125		20	6.3	6.3
71-43-2	Benzene	51.1		5.0	0.50	0.23
75-25-2	Bromoform	45.8		5.0	0.50	0.33
74-83-9	Bromomethane	37.3		5.0	1.0	0.54
75-15-0	Carbon disulfide	42.1		5.0	0.50	0.44
56-23-5	Carbon tetrachloride	47.9		5.0	0.50	0.37
108-90-7	Chlorobenzene	48.8		5.0	0.50	0.33
75-27-4	Bromodichloromethane	47.6		5.0	0.50	0.28
74-87-3	Chloromethane	43.8		5.0	0.50	0.41
10061-01-5	cis-1,3-Dichloropropene	45.2		5.0	0.50	0.34
124-48-1	Dibromochloromethane	44.3		5.0	1.0	0.55
100-41-4	Ethylbenzene	51.4		5.0	0.50	0.26
1634-04-4	Methyl tert-butyl ether	51.3		5.0	0.50	0.43
75-09-2	Methylene Chloride	51.0		5.0	1.0	0.67
100-42-5	Styrene	52.8		5.0	0.50	0.15
127-18-4	Tetrachloroethene	51.0		5.0	1.0	0.52
108-88-3	Toluene	50.5		5.0	0.50	0.27
67-66-3	Chloroform	50.4		5.0	0.50	0.29
74-97-5	Bromochloromethane	50.7		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	46.0		5.0	1.0	0.54
79-01-6	Trichloroethene	53.1		5.0	0.50	0.42
75-01-4	Vinyl chloride	43.6		5.0	0.50	0.39
75-00-3	Chloroethane	45.8		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.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-66239/7

Matrix: Solid Lab File ID: 149440.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/26/2012 13:54

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.: 66239 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-130
2037-26-5	Toluene-d8 (Surr)	93		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\20121126-15258.b\149440.D
Lims ID: LCS Client ID:
Inject. Date: 26-Nov-2012 13:54:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: lcs
Misc. Info.: 240-0015258-007 =240-0015258-007
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 66239 Lims Sample ID: 7
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 26-Nov-2012 14:12:32

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	2261655	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	98	1337889	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.570	11.559	0.011	99	628756	50.0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	79	512044	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	93	630963	45.3	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	86	1937165	46.4	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	84	565434	45.1	
12 Dichlorodifluoromethane	85	1.430	1.430	0.0	87	513081	41.0	
13 Chloromethane	50	1.607	1.607	0.0	89	981769	43.8	
14 Vinyl chloride	62	1.737	1.737	0.0	83	733864	43.6	
15 Bromomethane	94	2.069	2.069	0.0	90	178558	37.3	
16 Chloroethane	64	2.187	2.187	0.0	94	383039	45.8	
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	86	617466	45.6	
19 Ethyl ether	59	2.873	2.873	0.0	95	622886	55.9	
20 Acrolein	56	3.027	3.027	0.0	89	215044	128.6	
21 1,1-Dichloroethene	96	3.157	3.146	0.011	83	537198	52.4	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.181	3.181	0.0	85	508857	53.3	
22 Acetone	43	3.252	3.252	0.0	98	429730	125.4	
24 Iodomethane	142	3.347	3.347	0.0	99	920204	52.5	
26 Carbon disulfide	76	3.418	3.418	0.0	98	1107283	42.1	
27 Acetonitrile	41	3.666	3.654	0.012	99	175428	139.8	
28 Methyl acetate	43	3.761	3.761	0.0	98	513374	47.8	
30 Methylene Chloride	84	3.879	3.879	0.0	87	595862	51.0	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	90	684285	972.0	
32 Acrylonitrile	53	4.293	4.293	0.0	99	704746	145.5	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	86	633642	52.5	
34 Methyl tert-butyl ether	73	4.352	4.353	-0.001	92	1343509	51.3	
35 Hexane	86	4.743	4.743	0.0	95	170572	52.3	
36 1,1-Dichloroethane	63	4.920	4.921	-0.001	85	1427483	53.7	
37 Vinyl acetate	86	5.039	5.039	0.0	95	73445	54.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
38 Isopropyl ether	87	5.062	5.074	-0.012	98	511483	44.7	
43 2,2-Dichloropropane	77	5.642	5.642	0.0	73	484069	53.3	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	660026	50.8	
41 2-Butanone (MEK)	43	5.701	5.702	-0.001	95	557152	100.7	
47 Chlorobromomethane	128	5.926	5.926	0.0	86	301986	50.7	
48 Tetrahydrofuran	42	5.973	5.974	-0.001	91	173048	47.9	
49 Chloroform	83	6.033	6.033	0.0	83	1041332	50.4	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	87	793833	51.0	
51 Cyclohexane	56	6.257	6.258	-0.001	91	1678001	49.7	
53 Carbon tetrachloride	117	6.388	6.388	0.0	69	745987	47.9	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	83	869202	52.2	
54 Isobutyl alcohol	41	6.577	6.589	-0.012	93	900662	2743.5	
55 Benzene	78	6.601	6.601	0.0	96	2384384	51.1	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	87	976042	50.8	
60 Trichloroethene	130	7.240	7.240	0.0	90	705270	53.1	
63 Methylcyclohexane	83	7.417	7.417	0.0	95	1168626	50.0	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	92	728067	53.0	
65 Dibromomethane	93	7.559	7.559	0.0	85	286904	52.7	
67 Dichlorobromomethane	83	7.713	7.713	0.0	91	619873	47.6	
69 2-Chloroethyl vinyl ether	63	7.985	7.985	0.0	88	242508	46.7	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	83	699543	45.2	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	98	1063722	106.6	
72 Toluene	91	8.411	8.411	0.0	90	2334913	50.5	
73 trans-1,3-Dichloropropene	75	8.600	8.601	-0.001	91	546352	46.0	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	362089	52.0	
77 Tetrachloroethene	164	8.884	8.885	-0.001	90	522927	51.0	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	628257	50.4	
78 2-Hexanone	43	8.979	8.979	0.0	98	619822	105.2	
79 Chlorodibromomethane	129	9.109	9.109	0.0	87	367082	44.3	
123 Ethylene Dibromide	107	9.204	9.204	0.0	98	352007	51.4	
82 Chlorobenzene	112	9.618	9.618	0.0	91	1450431	48.8	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	88	504785	52.2	
84 Ethylbenzene	106	9.713	9.713	0.0	98	801626	51.4	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	98	1912081	100.4	
85 o-Xylene	106	10.150	10.151	-0.001	94	949338	51.5	
86 Styrene	104	10.150	10.151	-0.001	90	1392348	52.8	
87 Bromoform	173	10.316	10.316	0.0	96	166015	45.8	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	2505055	52.7	
89 Cyclohexanone	55	10.541	10.541	0.0	91	975175	507.6	
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	80	368949	52.3	
91 Bromobenzene	156	10.718	10.719	-0.001	92	553512	50.3	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	80	120929	51.7	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.742	0.0	76	277560	99.5	
94 N-Propylbenzene	120	10.801	10.802	-0.001	97	694423	55.4	
95 2-Chlorotoluene	126	10.884	10.884	0.0	97	589715	51.6	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	94	2005000	54.1	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	568559	51.2	
97 tert-Butylbenzene	119	11.227	11.227	0.0	82	1928120	54.4	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	1928718	52.6	
99 sec-Butylbenzene	105	11.405	11.405	0.0	96	2546855	54.5	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	84	1060856	49.1	
101 4-Isopropyltoluene	119	11.523	11.523	0.0	90	2287464	55.5	

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	1043888	47.4	
103 1,2,3-Trimethylbenzene	105	11.618	11.618	0.0	88	1857402	49.3	
105 n-Butylbenzene	91	11.866	11.866	0.0	95	1808154	53.2	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	958512	47.3	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	74	50397	45.7	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	92	572886	41.4	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	92	303494	44.8	
111 Naphthalene	128	13.428	13.440	-0.012	97	1080599	41.1	
112 1,2,3-Trichlorobenzene	180	13.618	13.618	0.0	93	457565	41.9	
S 137 Trihalomethanes, Total	1				0		188.0	
S 11 1,2-Dichloroethene, Total	96				0		103.2	
S 114 Xylenes, Total	106				0		151.9	

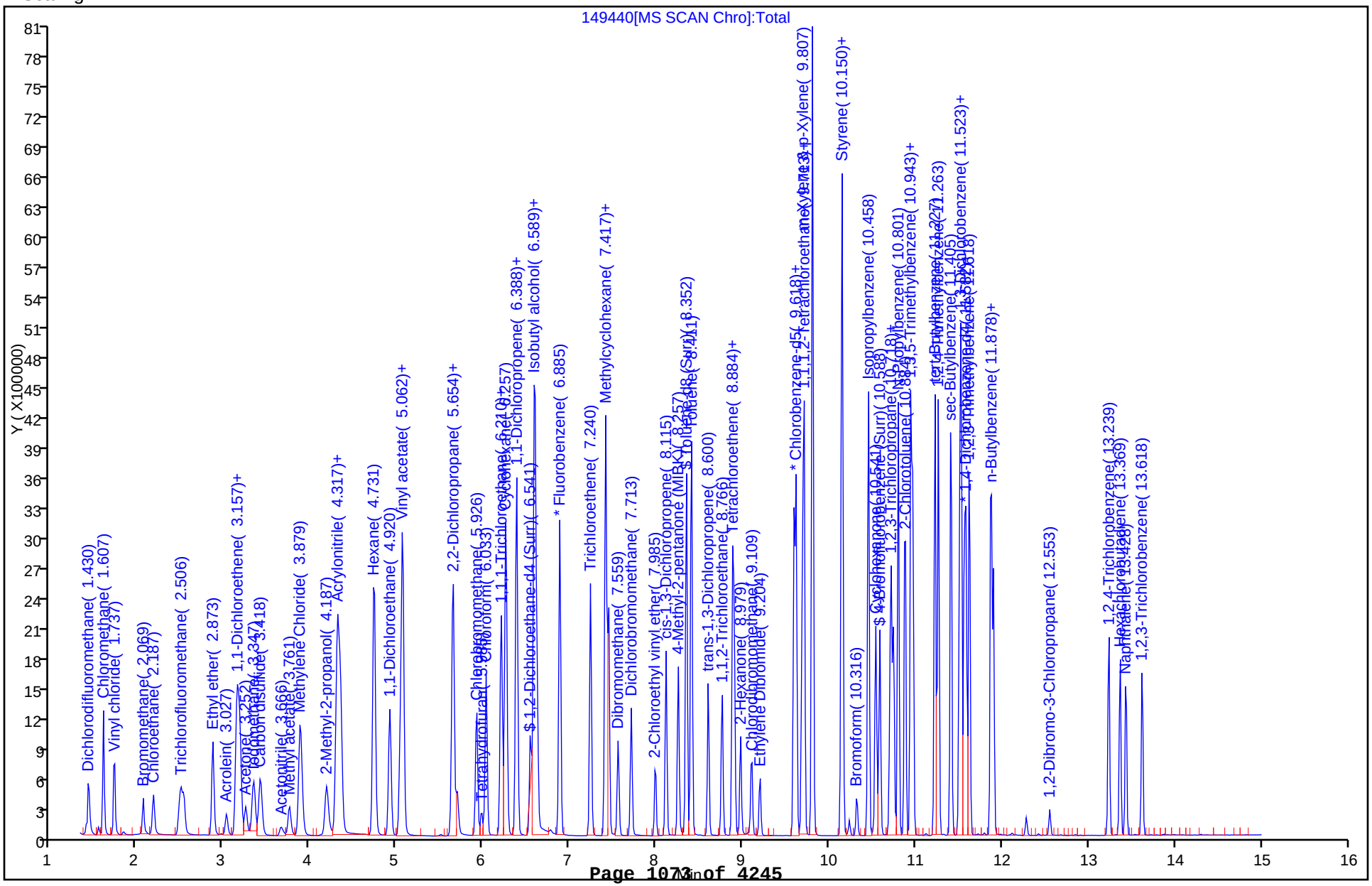
Report Date: 27-Nov-2012 09:28:01 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149440.D

Injection Date:	26-Nov-2012 13:54:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	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.: 240-17796-1

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.: 240-17796-1

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

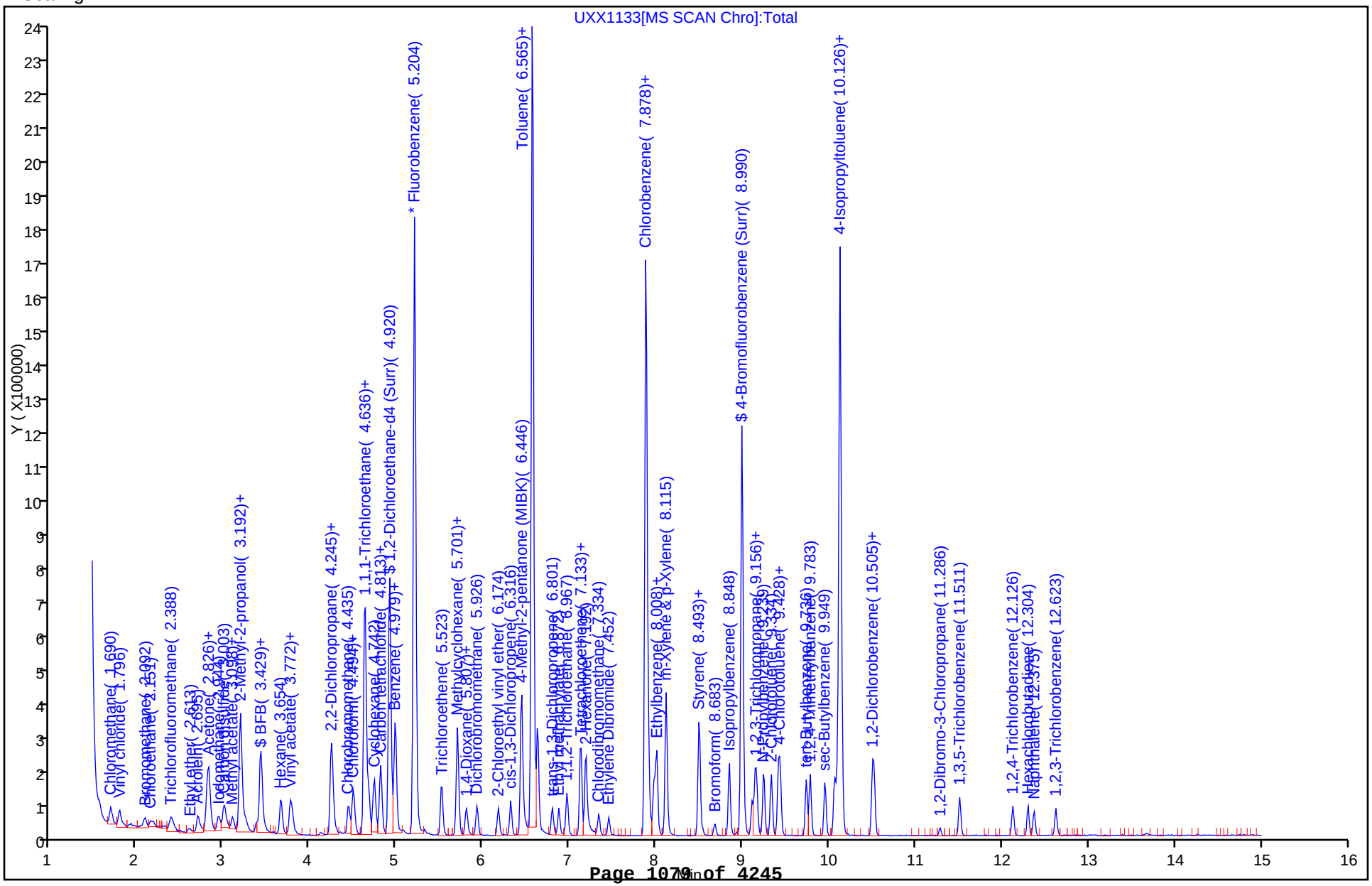
Report Date: 23-Nov-2012 08:56:55 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

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.: 240-17796-1

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

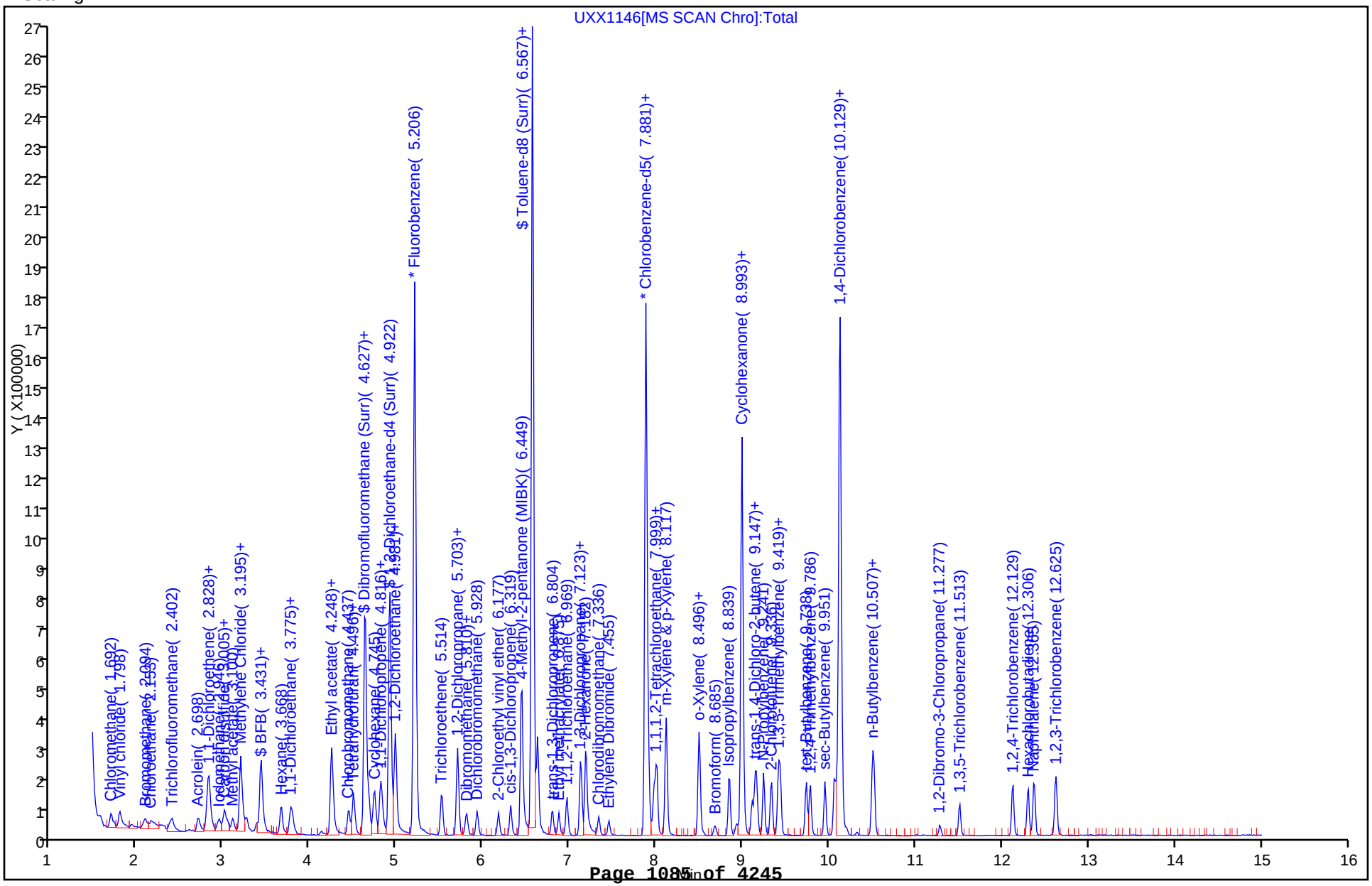
Report Date: 23-Nov-2012 08:57:02 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66239/5

Matrix: Solid | Lab File ID: 149438.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2012 13:11

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.: 66239 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00444		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00490		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00488		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00480		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00478		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00498		0.0010	0.00025	0.00022
540-59-0	1,2-Dichloroethene, Total	0.00972		0.0020	0.00050	0.00034
78-87-5	1,2-Dichloropropane	0.00503		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0113		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.0108		0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00995	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.0220	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00493		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00660	^	0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00506		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00569		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00576		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00496		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00597		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00484		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00604		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00624		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00498		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00493		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00481		0.0010	0.00050	0.00033
100-42-5	Styrene	0.00470		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00530		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00505		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00481		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00476		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00483		0.0010	0.00025	0.00024
10061-02-6	trans-1,3-Dichloropropene	0.00608		0.0010	0.00025	0.00019
79-01-6	Trichloroethene	0.00516		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00498		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00467		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0152		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66239/5

Matrix: Solid Lab File ID: 149438.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/26/2012 13:11

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.: 66239 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		50-150
2037-26-5	Toluene-d8 (Surr)	91		50-150
460-00-4	4-Bromofluorobenzene (Surr)	89		50-150
1868-53-7	Dibromofluoromethane (Surr)	86		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149438.D
Lims ID: QCMRL Client ID:
Inject. Date: 26-Nov-2012 13:11:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0015258-005 =240-0015258-005
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 66239 Lims Sample ID: 5
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 26-Nov-2012 13:35:20

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	2318648	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	97	1369591	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.559	11.559	0.0	99	680239	50.0	
$ 4 BFB	95	4.317	4.538	-0.221	0	3163	0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	76	496890	43.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.542	-0.001	92	666055	46.7	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	85	1949043	45.6	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	601060	44.3	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.441	1.430	0.011	95	59168	4.62	
13 Chloromethane	50	1.607	1.607	0.0	89	111252	4.84	
14 Vinyl chloride	62	1.737	1.737	0.0	83	85804	4.98	
15 Bromomethane	94	2.069	2.069	0.0	91	24830	5.06	
16 Chloroethane	64	2.187	2.187	0.0	89	40028	4.67	
17 Dichlorofluoromethane	67		2.447					
18 Trichlorofluoromethane	101	2.506	2.507	-0.001	83	56755	4.09	
19 Ethyl ether	59		2.873					9
25 Methylal	45		2.932					9
20 Acrolein	56	3.039	3.027	0.012	92	84279	49.2	
21 1,1-Dichloroethene	96	3.157	3.146	0.011	82	50199	4.78	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.181	0.012	79	46735	4.77	
22 Acetone	43	3.252	3.252	0.0	97	95295	22.0	
24 Iodomethane	142	3.347	3.347	0.0	98	87782	4.89	
26 Carbon disulfide	76	3.418	3.418	0.0	98	81093	5.69	
27 Acetonitrile	41	3.666	3.654	0.012	99	68860	53.5	
29 3-Chloro-1-propene	76		3.690					

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	98	119961	10.9	
30 Methylene Chloride	84	3.879	3.879	0.0	88	96091	4.81	
31 2-Methyl-2-propanol	59	4.187	4.187	0.0	86	75898	105.2	
32 Acrylonitrile	53	4.305	4.293	0.012	96	53718	10.8	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	87	61172	4.94	
34 Methyl tert-butyl ether	73	4.352	4.353	-0.001	86	132376	4.93	
35 Hexane	86	4.743	4.743	0.0	95	17129	5.13	
36 1,1-Dichloroethane	63	4.920	4.921	-0.001	86	130740	4.80	
39 2-Chloro-1,3-butadiene	53		5.039					9
37 Vinyl acetate	86	5.050	5.039	0.011	97	4881	3.50	
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	5.642	0.0	71	41252	4.43	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	77	63681	4.78	
41 2-Butanone (MEK)	43	5.701	5.702	-0.001	95	64169	11.3	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					9
46 Methacrylonitrile	41		5.926					
47 Chlorobromomethane	128	5.926	5.926	0.0	88	29072	4.76	
48 Tetrahydrofuran	42	5.985	5.974	0.011	89	18615	5.03	
49 Chloroform	83	6.033	6.033	0.0	84	101970	4.81	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	36	70859	4.44	
51 Cyclohexane	56	6.257	6.258	-0.001	92	164985	4.76	
53 Carbon tetrachloride	117	6.388	6.388	0.0	60	60656	5.76	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	81	84296	4.94	
54 Isobutyl alcohol	41		6.589					
55 Benzene	78	6.601	6.601	0.0	95	235846	4.93	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	83	98151	4.98	
57 Tert-amyl methyl ether	73		6.743					9
58 n-Heptane	100		6.896					
59 n-Butanol	56		7.228					
60 Trichloroethene	130	7.240	7.240	0.0	90	70270	5.16	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	95	115516	4.82	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	88	70860	5.03	
65 Dibromomethane	93	7.559	7.559	0.0	87	26940	4.82	
64 Methyl methacrylate	41		7.571					9
66 1,4-Dioxane	88	7.583	7.583	0.0	92	16909	236.6	
67 Dichlorobromomethane	83	7.713	7.713	0.0	89	46538	5.97	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.997	7.985	0.012	90	47012	8.84	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	79	54392	6.04	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	101689	9.95	
72 Toluene	91	8.411	8.411	0.0	96	238943	5.05	
73 trans-1,3-Dichloropropene	75	8.600	8.601	-0.001	88	40476	6.08	
74 Ethyl methacrylate	69	8.683	8.683	0.0	90	37688	4.16	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	34796	4.88	
77 Tetrachloroethene	164	8.884	8.885	-0.001	91	55613	5.30	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	94	64548	5.06	
78 2-Hexanone	43	8.979	8.979	0.0	98	64905	10.8	
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	89	25447	6.24	
123 Ethylene Dibromide	107	9.204	9.204	0.0	99	33876	4.83	
81 1-Chlorohexane	91		9.594					
82 Chlorobenzene	112	9.618	9.618	0.0	91	150822	4.96	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	79	40998	4.14	
84 Ethylbenzene	106	9.713	9.713	0.0	98	79536	4.98	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	98	196304	10.1	
85 o-Xylene	106	10.150	10.151	-0.001	94	96309	5.11	
86 Styrene	104	10.162	10.151	0.011	93	126927	4.70	
87 Bromoform	173	10.316	10.316	0.0	94	12037	6.60	
88 Isopropylbenzene	105	10.458	10.458	0.0	97	247484	5.08	
89 Cyclohexanone	55		10.541					
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	79	37416	4.90	
91 Bromobenzene	156	10.718	10.719	-0.001	92	59776	5.02	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	83	13819	5.46	
93 trans-1,4-Dichloro-2-butene	53	10.742	10.742	0.0	54	13934	4.62	
94 N-Propylbenzene	120	10.801	10.802	-0.001	97	68773	5.07	
95 2-Chlorotoluene	126	10.884	10.884	0.0	98	61205	4.95	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	95	195855	4.88	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	62255	5.18	
97 tert-Butylbenzene	119	11.227	11.227	0.0	83	189287	4.94	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	195519	4.93	
99 sec-Butylbenzene	105	11.405	11.405	0.0	95	255010	5.04	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	115522	4.94	
101 4-Isopropyltoluene	119	11.523	11.523	0.0	85	220440	4.94	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	86	117817	4.95	
103 1,2,3-Trimethylbenzene	105		11.618					
105 n-Butylbenzene	91	11.878	11.866	0.012	94	177517	4.83	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	111977	5.11	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	59	4920	5.79	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	97	90002	5.24	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	94	75291	5.03	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	94	40309	5.50	
111 Naphthalene	128	13.440	13.440	0.0	97	137646	4.84	
112 1,2,3-Trichlorobenzene	180	13.618	13.618	0.0	94	66384	5.62	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	55	7579	0.4695	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	19722184	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	23235545	0	
S 137 Trihalomethanes, Total	1				0		23.6	
S 11 1,2-Dichloroethene, Total	96				0		9.72	
S 9 1,3-Dichloropropene, Total	75				0		12.1	
S 114 Xylenes, Total	106				0		15.2	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

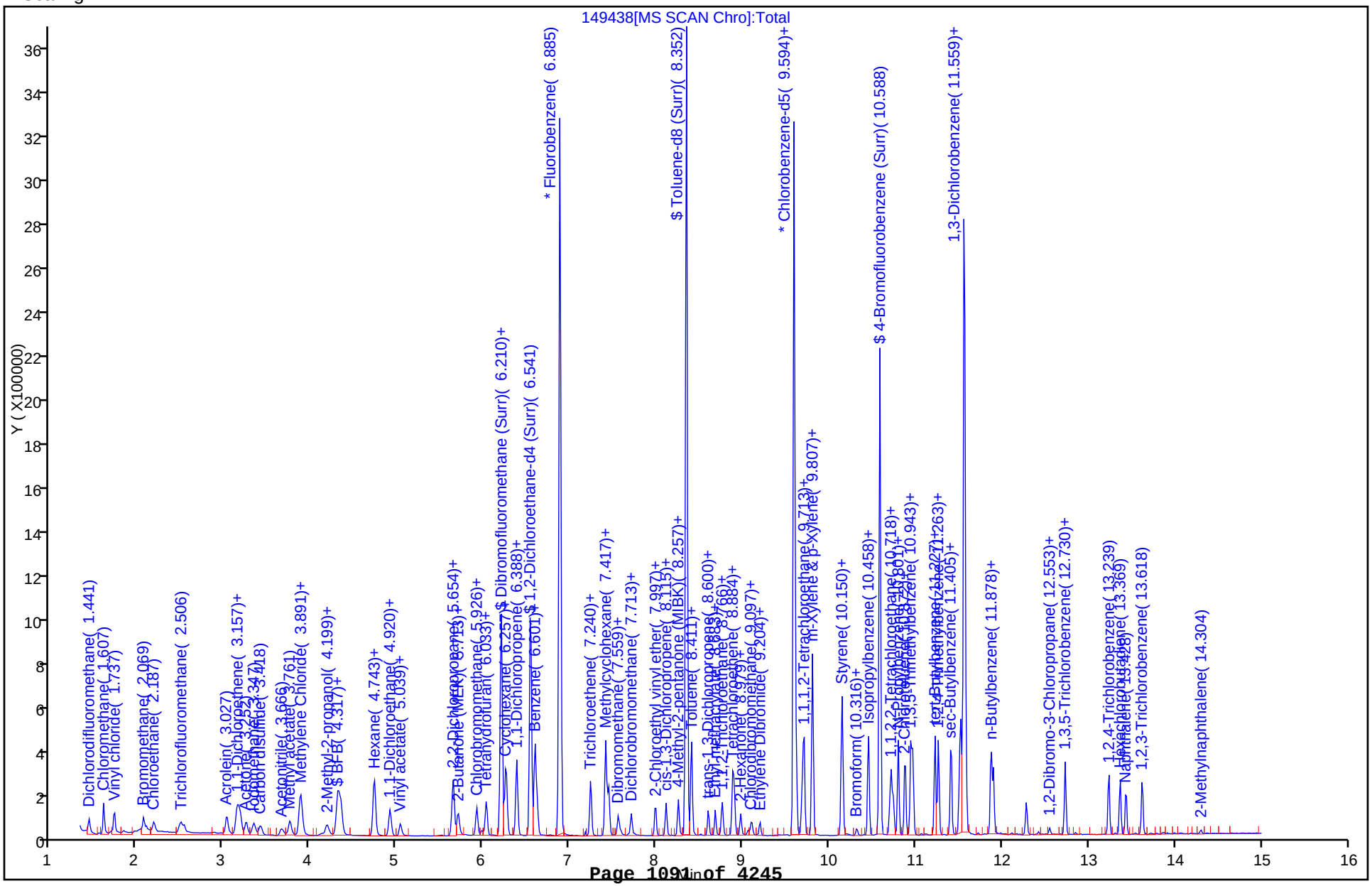
Report Date: 27-Nov-2012 09:28:00 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149438.D

Injection Date:	26-Nov-2012 13:11:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66239/31

Matrix: Solid | Lab File ID: 149464.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 11/26/2012 22:31

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.: 66239 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-55-6	1,1,1-Trichloroethane	0.00449		0.0010	0.00025	0.00022
79-34-5	1,1,2,2-Tetrachloroethane	0.00514		0.0010	0.00025	0.00018
79-00-5	1,1,2-Trichloroethane	0.00543		0.0010	0.00050	0.00027
75-34-3	1,1-Dichloroethane	0.00504		0.0010	0.00025	0.00015
75-35-4	1,1-Dichloroethene	0.00487		0.0010	0.00025	0.00019
107-06-2	1,2-Dichloroethane	0.00525		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	0.00517		0.0010	0.00025	0.00018
78-93-3	2-Butanone (MEK)	0.0113		0.010	0.00050	0.00057
591-78-6	2-Hexanone	0.00898	J	0.010	0.00050	0.00041
108-10-1	4-Methyl-2-pentanone (MIBK)	0.00946	J	0.010	0.00050	0.00032
67-64-1	Acetone	0.0323	^	0.010	0.0010	0.0011
71-43-2	Benzene	0.00538		0.0010	0.00025	0.00013
75-25-2	Bromoform	0.00644		0.0010	0.00050	0.00064
74-83-9	Bromomethane	0.00523		0.0010	0.00050	0.00041
75-15-0	Carbon disulfide	0.00541		0.0010	0.00025	0.00013
56-23-5	Carbon tetrachloride	0.00553		0.0010	0.00025	0.00013
108-90-7	Chlorobenzene	0.00524		0.0010	0.00025	0.00015
75-27-4	Bromodichloromethane	0.00596		0.0010	0.00025	0.00015
74-87-3	Chloromethane	0.00462		0.0010	0.00050	0.00030
10061-01-5	cis-1,3-Dichloropropene	0.00591		0.0010	0.00025	0.00014
124-48-1	Dibromochloromethane	0.00634		0.0010	0.00025	0.00018
100-41-4	Ethylbenzene	0.00538		0.0010	0.00025	0.00017
1634-04-4	Methyl tert-butyl ether	0.00499		0.0010	0.00025	0.00017
75-09-2	Methylene Chloride	0.00800	^	0.0010	0.00050	0.00033
100-42-5	Styrene	0.00477		0.0010	0.00025	0.00011
127-18-4	Tetrachloroethene	0.00534		0.0010	0.00050	0.00029
108-88-3	Toluene	0.00551		0.0010	0.00025	0.00013
67-66-3	Chloroform	0.00490		0.0010	0.00025	0.00016
74-97-5	Bromochloromethane	0.00502		0.0010	0.00050	0.00029
106-93-4	1,2-Dibromoethane	0.00497		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	0.00532		0.0010	0.00025	0.00017
75-01-4	Vinyl chloride	0.00468		0.0010	0.00025	0.00022
75-00-3	Chloroethane	0.00487		0.0010	0.0050	0.00029
1330-20-7	Xylenes, Total	0.0157		0.0020	0.00075	0.00028

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66239/31

Matrix: Solid Lab File ID: 149464.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 11/26/2012 22:31

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.: 66239 Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-150
2037-26-5	Toluene-d8 (Surr)	94		50-150
460-00-4	4-Bromofluorobenzene (Surr)	88		50-150
1868-53-7	Dibromofluoromethane (Surr)	85		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149464.D
Lims ID: QCMRL Client ID:
Inject. Date: 26-Nov-2012 22:31:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: qcmrl
Misc. Info.: 240-0015258-031 =240-0015258-031
Operator: 002808 Instrument ID: A3UX14
Purge Vol: 5.000 mL ALS Bottle#: 31
Lims Batch ID: 66239 Lims Sample ID: 31
Detector: MS SCAN

Method: \\NCChrom\ChromData\A3UX14\20121126-15258.b\8260_14.m
Last Update: 27-Nov-2012 09:27:58 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: XAWRK019

First Level Reviewer: macenczaks Date: 27-Nov-2012 09:04:23

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	2221378	50.0	
* 2 Chlorobenzene-d5	117	9.594	9.595	-0.001	97	1269554	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.571	11.559	0.012	99	622360	50.0	
$ 4 BFB	95	4.329	4.538	-0.209	0	3047	0	
$ 5 Dibromofluoromethane (Surr)	113	6.210	6.210	0.0	76	467374	42.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	6.542	6.542	0.0	92	623567	45.6	
$ 7 Toluene-d8 (Surr)	98	8.352	8.352	0.0	95	1865448	47.1	
$ 131 4-Bromofluorobenzene (Surr)	95	10.588	10.589	0.0	90	546939	44.1	
135 1,4-Dichlorobutane	1		0.000					
134 Chlorodifluoromethane TIC	1		0.000					
138 Butyl Methacrylate TIC	1		0.000					
133 Benzyl chloride	126		0.000					
136 Hexachloroethane TIC	1		0.000					
12 Dichlorodifluoromethane	85	1.442	1.430	0.012	86	50712	4.13	
13 Chloromethane	50	1.607	1.607	0.0	89	101695	4.62	
14 Vinyl chloride	62	1.737	1.737	0.0	83	77211	4.68	
15 Bromomethane	94	2.069	2.069	0.0	91	24579	5.23	
16 Chloroethane	64	2.187	2.187	0.0	99	40000	4.87	
17 Dichlorofluoromethane	67		2.447					
18 Trichlorofluoromethane	101	2.495	2.507	-0.012	81	52016	3.91	
19 Ethyl ether	59	2.873	2.873	0.0	84	3549	0.3240	
25 Methylal	45		2.932					
20 Acrolein	56	3.039	3.027	0.012	95	71158	43.3	
21 1,1-Dichloroethene	96	3.157	3.146	0.011	83	48999	4.87	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.193	3.181	0.012	80	46829	4.99	
22 Acetone	43	3.264	3.252	0.012	98	124286	32.3	
24 Iodomethane	142	3.347	3.347	0.0	98	83137	4.83	
26 Carbon disulfide	76	3.418	3.418	0.0	98	69850	5.41	
27 Acetonitrile	41	3.666	3.654	0.012	98	65622	53.2	
29 3-Chloro-1-propene	76		3.690					

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	116247	11.0	
30 Methylene Chloride	84	3.891	3.879	0.012	88	126094	8.00	
31 2-Methyl-2-propanol	59	4.199	4.187	0.012	85	77937	112.7	
32 Acrylonitrile	53	4.305	4.293	0.012	98	48602	10.2	
33 trans-1,2-Dichloroethene	96	4.317	4.317	0.0	88	60115	5.07	
34 Methyl tert-butyl ether	73	4.352	4.353	-0.001	85	128476	4.99	
35 Hexane	86	4.743	4.743	0.0	95	17018	5.32	
36 1,1-Dichloroethane	63	4.920	4.921	-0.001	86	131526	5.04	
39 2-Chloro-1,3-butadiene	53		5.039					9
37 Vinyl acetate	86	5.039	5.039	0.0	97	4844	3.63	
38 Isopropyl ether	87		5.074					9
40 Tert-butyl ethyl ether	59		5.524					
61 Ethyl acrylate	55		5.605					9
43 2,2-Dichloropropane	77	5.642	5.642	0.0	62	40126	4.50	
42 cis-1,2-Dichloroethene	96	5.654	5.654	0.0	76	62480	4.89	
41 2-Butanone (MEK)	43	5.701	5.702	-0.001	89	61518	11.3	
44 Propionitrile	54		5.760					
45 Ethyl acetate	43		5.796					9
46 Methacrylonitrile	41		5.926					
47 Chlorobromomethane	128	5.926	5.926	0.0	86	29351	5.02	
48 Tetrahydrofuran	42	5.985	5.974	0.011	90	18726	5.28	
49 Chloroform	83	6.033	6.033	0.0	83	99460	4.90	
50 1,1,1-Trichloroethane	97	6.210	6.210	0.0	36	68712	4.49	
51 Cyclohexane	56	6.258	6.258	0.0	91	167186	5.04	
53 Carbon tetrachloride	117	6.388	6.388	0.0	60	54557	5.53	
52 1,1-Dichloropropene	75	6.388	6.388	0.0	82	85266	5.21	
54 Isobutyl alcohol	41		6.589					
55 Benzene	78	6.601	6.601	0.0	95	246527	5.38	
56 1,2-Dichloroethane	62	6.624	6.624	0.0	82	99045	5.25	
57 Tert-amyl methyl ether	73		6.743					
58 n-Heptane	100		6.896					
59 n-Butanol	56		7.228					
60 Trichloroethene	130	7.240	7.240	0.0	89	69457	5.32	
80 Tetrahydrothiophene	60		7.255					9
63 Methylcyclohexane	83	7.417	7.417	0.0	95	117303	5.11	
62 1,2-Dichloropropane	63	7.453	7.453	0.0	91	69753	5.17	
65 Dibromomethane	93	7.559	7.559	0.0	89	25993	4.86	
64 Methyl methacrylate	41		7.571					9
66 1,4-Dioxane	88	7.595	7.583	0.012	91	17331	253.2	
67 Dichlorobromomethane	83	7.713	7.713	0.0	90	44533	5.96	
68 2-Nitropropane	41		7.926					
69 2-Chloroethyl vinyl ether	63	7.985	7.985	0.0	90	39365	7.72	
70 cis-1,3-Dichloropropene	75	8.115	8.115	0.0	80	50011	5.91	
71 4-Methyl-2-pentanone (MIBK)	43	8.257	8.257	0.0	99	89647	9.46	
72 Toluene	91	8.411	8.411	0.0	90	241727	5.51	
73 trans-1,3-Dichloropropene	75	8.600	8.601	-0.001	87	34976	5.87	
74 Ethyl methacrylate	69	8.683	8.683	0.0	91	36336	4.33	
75 1,1,2-Trichloroethane	97	8.766	8.766	0.0	90	35891	5.43	
77 Tetrachloroethene	164	8.884	8.885	-0.001	90	51976	5.34	
76 1,3-Dichloropropane	76	8.908	8.908	0.0	91	63598	5.38	
78 2-Hexanone	43	8.979	8.979	0.0	98	50209	8.98	
132 n-Butyl acetate	43		9.086					1

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Chlorodibromomethane	129	9.109	9.109	0.0	86	24386	6.34	
123 Ethylene Dibromide	107	9.204	9.204	0.0	96	32324	4.97	
81 1-Chlorohexane	91		9.594					9
82 Chlorobenzene	112	9.618	9.618	0.0	91	147779	5.24	
83 1,1,1,2-Tetrachloroethane	131	9.689	9.689	0.0	82	39059	4.26	
84 Ethylbenzene	106	9.713	9.713	0.0	98	79609	5.38	
10 m-Xylene & p-Xylene	106	9.807	9.808	-0.001	97	185573	10.3	
85 o-Xylene	106	10.151	10.151	0.0	94	94613	5.41	
86 Styrene	104	10.162	10.151	0.011	92	119220	4.77	
87 Bromoform	173	10.316	10.316	0.0	94	10609	6.44	
88 Isopropylbenzene	105	10.458	10.458	0.0	96	238037	5.27	
89 Cyclohexanone	55		10.541					
90 1,1,2,2-Tetrachloroethane	83	10.707	10.707	0.0	83	35904	5.14	
91 Bromobenzene	156	10.719	10.719	0.0	90	54162	4.97	
92 1,2,3-Trichloropropane	110	10.742	10.742	0.0	80	12992	5.61	
93 trans-1,4-Dichloro-2-butene	53	10.754	10.742	0.012	38	12520	4.53	
94 N-Propylbenzene	120	10.801	10.802	-0.001	97	64722	5.22	
95 2-Chlorotoluene	126	10.884	10.884	0.0	96	59372	5.25	
96 1,3,5-Trimethylbenzene	105	10.943	10.943	0.0	95	187564	5.11	
104 4-Chlorotoluene	126	10.967	10.967	0.0	98	58055	5.28	
97 tert-Butylbenzene	119	11.227	11.227	0.0	85	179265	5.11	
98 1,2,4-Trimethylbenzene	105	11.263	11.263	0.0	97	188197	5.19	
99 sec-Butylbenzene	105	11.405	11.405	0.0	96	242485	5.24	
100 1,3-Dichlorobenzene	146	11.511	11.511	0.0	97	109161	5.10	
101 4-Isopropyltoluene	119	11.523	11.523	0.0	86	212017	5.20	
102 1,4-Dichlorobenzene	146	11.582	11.582	0.0	80	110737	5.08	
103 1,2,3-Trimethylbenzene	105		11.618					
105 n-Butylbenzene	91	11.878	11.866	0.012	93	176922	5.26	
106 1,2-Dichlorobenzene	146	11.902	11.902	0.0	96	104235	5.20	
107 1,2-Dibromo-3-Chloropropane	157	12.553	12.553	0.0	47	3708	5.03	
108 1,3,5-Trichlorobenzene	180	12.730	12.730	0.0	96	86494	5.51	
109 1,2,4-Trichlorobenzene	180	13.239	13.239	0.0	93	74658	5.45	
110 Hexachlorobutadiene	225	13.369	13.369	0.0	91	42628	6.36	
111 Naphthalene	128	13.440	13.440	0.0	97	125621	4.83	
112 1,2,3-Trichlorobenzene	180	13.618	13.618	0.0	94	66057	6.12	
113 2-Methylnaphthalene	142	14.304	14.304	0.0	42	2491	0.1686	
A 140 C6-C10	1	7.589	3.915 - 11.263		0	19779604	0	
A 139 C6-C12	1	8.388	3.915 - 12.860		0	24043683	0	
S 137 Trihalomethanes, Total	1				0		23.6	
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		15.7	

QC Flag Legend

Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

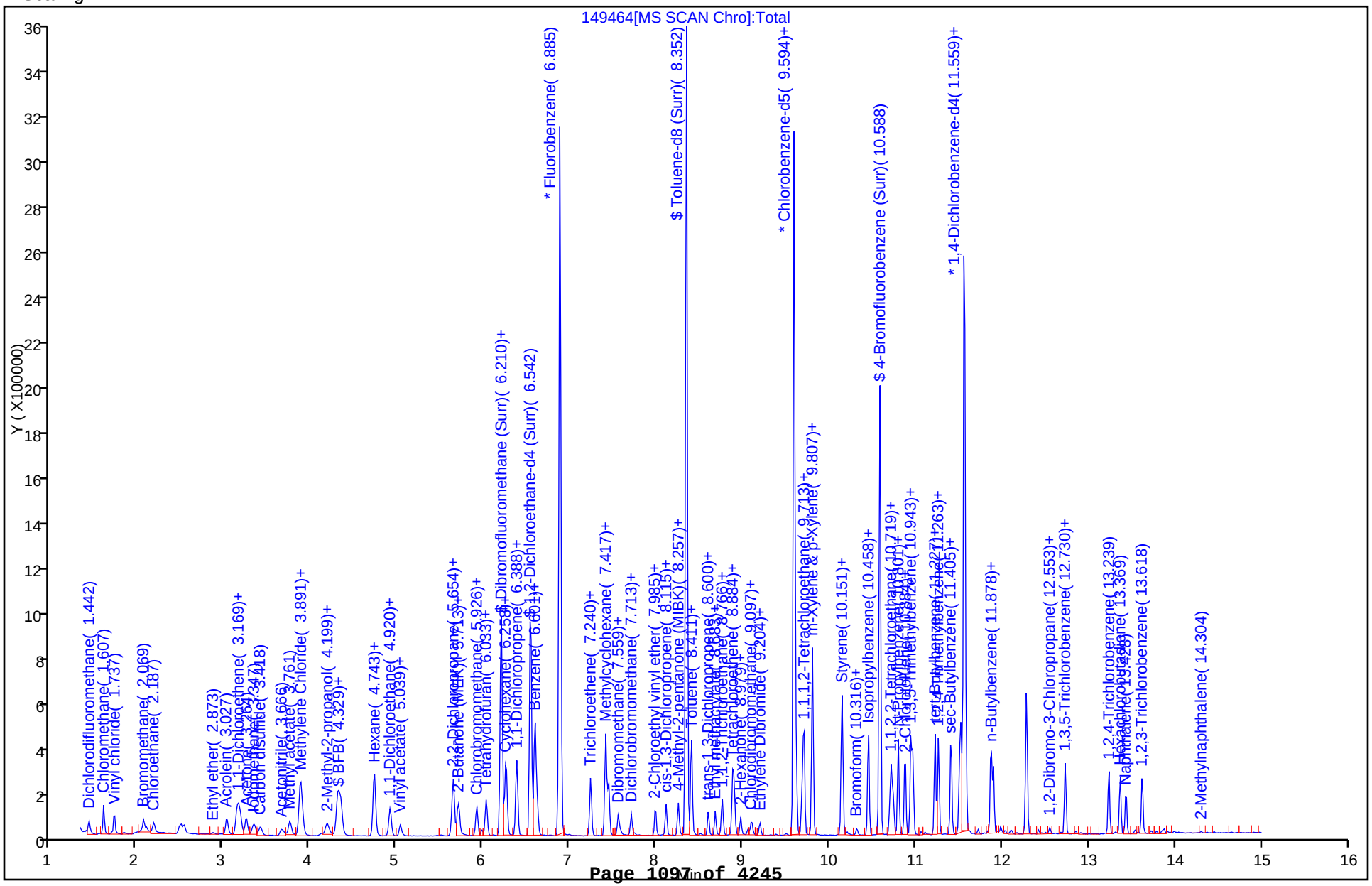
Report Date: 27-Nov-2012 09:28:17 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX14\20121126-15258.b\149464.D

Injection Date:	26-Nov-2012 22:31:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX14
Lims Batch ID:	66239	Lims Sample ID:	31
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.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER MS | Lab Sample ID: 240-17796-20 MS

Matrix: Water | Lab File ID: UXX1144.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 16:46

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	9.97		1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	9.27		1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	9.73		1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	10.2		1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	11.1		1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	10.2		1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	18.9		2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	9.88		1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	17.0		10	0.57	0.57
591-78-6	2-Hexanone	18.7		10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	18.1		10	0.50	0.32
67-64-1	Acetone	17.1		10	1.1	1.1
71-43-2	Benzene	9.62		1.0	0.25	0.13
75-25-2	Bromoform	8.20		1.0	0.64	0.64
74-83-9	Bromomethane	7.71		1.0	0.50	0.41
75-15-0	Carbon disulfide	11.1		1.0	0.25	0.13
56-23-5	Carbon tetrachloride	10.5		1.0	0.25	0.13
108-90-7	Chlorobenzene	8.97		1.0	0.25	0.15
75-27-4	Bromodichloromethane	9.41		1.0	0.25	0.15
74-87-3	Chloromethane	9.22		1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	8.07		1.0	0.25	0.14
124-48-1	Dibromochloromethane	9.23		1.0	0.25	0.18
100-41-4	Ethylbenzene	9.40		1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	8.82		1.0	0.25	0.17
75-09-2	Methylene Chloride	9.18		1.0	0.50	0.33
100-42-5	Styrene	9.44		1.0	0.25	0.11
127-18-4	Tetrachloroethene	9.48		1.0	0.50	0.29
108-88-3	Toluene	9.85		1.0	0.25	0.13
67-66-3	Chloroform	10.1		1.0	0.25	0.16
74-97-5	Bromochloromethane	9.08		1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	8.90		1.0	0.25	0.24
10061-02-6	trans-1,3-Dichloropropene	9.07		1.0	0.25	0.19
79-01-6	Trichloroethene	9.18		1.0	0.25	0.17
75-01-4	Vinyl chloride	10.5		1.0	0.25	0.22
75-00-3	Chloroethane	7.58		1.0	0.50	0.29
1330-20-7	Xylenes, Total	28.6		2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER MS Lab Sample ID: 240-17796-20 MS

Matrix: Water Lab File ID: UXX1144.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 16:46

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)	103		70-120
2037-26-5	Toluene-d8 (Surr)	101		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\UXX1144.D
Lims ID: 240-17796-M-20 MS Client ID:
Inject. Date: 21-Nov-2012 16:46:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015165-018
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 65929 Lims Sample ID: 18
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 08:37:36

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	1938786	10.0	
* 2 Chlorobenzene-d5	117	7.878	7.881	-0.003	86	1234319	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	80	669639	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.636	4.626	0.010	65	512032	9.64	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.920	4.922	-0.002	0	643375	10.3	
$ 7 Toluene-d8 (Surr)	98	6.565	6.567	-0.002	94	1963344	10.1	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	88	603847	9.40	
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	87	492302	12.7	
13 Chloromethane	50	1.690	1.704	-0.014	99	686947	9.22	
14 Vinyl chloride	62	1.796	1.798	-0.002	82	620859	10.5	
16 Bromomethane	94	2.092	2.094	-0.002	89	212709	7.71	
17 Chloroethane	64	2.175	2.177	-0.002	99	216259	7.58	
19 Trichlorofluoromethane	101	2.388	2.402	-0.014	98	506755	11.8	
20 Ethyl ether	59	2.601	2.603	-0.002	90	467594	9.55	
21 Acrolein	56	2.707	2.710	-0.003	91	183111	26.7	
23 1,1-Dichloroethene	96	2.814	2.804	0.010	90	528415	11.1	
24 Acetone	43	2.826	2.828	-0.002	60	262717	17.1	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.826	2.840	-0.014	87	434717	12.1	
26 Iodomethane	142	2.944	2.934	0.010	96	772867	9.58	
27 Carbon disulfide	76	3.003	3.005	-0.002	99	1663499	11.1	
28 Acetonitrile	41	3.050	3.053	-0.003	98	136308	20.3	
30 Methyl acetate	43	3.098	3.100	-0.002	96	416239	9.18	
31 Methylene Chloride	84	3.192	3.195	-0.003	89	614113	9.18	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	96	556364	141.9	
33 Acrylonitrile	53	3.382	3.384	-0.002	97	639107	28.1	
34 trans-1,2-Dichloroethene	96	3.429	3.431	-0.002	68	568549	9.78	
35 Methyl tert-butyl ether	73	3.429	3.431	-0.002	89	1488851	8.82	
36 Hexane	86	3.666	3.668	-0.002	93	109866	11.8	
37 1,1-Dichloroethane	63	3.772	3.775	-0.003	85	1010033	10.2	
38 Vinyl acetate	86	3.796	3.798	-0.002	97	110590	10.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 Isopropyl ether	87	3.819	3.822	-0.003	93	491752	8.77	
42 2-Butanone (MEK)	43	4.245	4.236	0.009	62	433038	17.0	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	70	588660	9.11	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	86	462964	8.16	
48 Chlorobromomethane	128	4.447	4.437	0.010	91	284487	9.08	
50 Chloroform	83	4.506	4.496	0.010	81	1006459	10.1	
49 Tetrahydrofuran	42	4.494	4.496	-0.002	86	150866	7.78	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	93	681545	9.97	
52 Cyclohexane	56	4.742	4.745	-0.003	88	831083	10.7	
53 1,1-Dichloropropene	75	4.813	4.816	-0.003	94	715579	10.2	
54 Carbon tetrachloride	117	4.825	4.828	-0.003	80	579780	10.5	
55 Isobutyl alcohol	41	4.849	4.851	-0.002	93	750984	460.5	
56 1,2-Dichloroethane	62	4.979	4.981	-0.002	53	731858	10.2	
57 Benzene	78	4.979	4.981	-0.002	95	2347052	9.62	
61 Trichloroethene	130	5.523	5.526	-0.003	96	552085	9.18	
63 Methylcyclohexane	83	5.701	5.703	-0.002	88	668324	10.5	
64 1,2-Dichloropropane	63	5.701	5.703	-0.002	85	559019	9.88	
66 Dibromomethane	93	5.807	5.798	0.009	89	312651	9.54	
68 Dichlorobromomethane	83	5.926	5.928	-0.002	99	632613	9.41	
70 2-Chloroethyl vinyl ether	63		6.177					
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	91	669422	8.07	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	97	889452	18.1	
73 Toluene	91	6.624	6.626	-0.002	98	2292742	9.85	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	93	597779	9.07	
76 1,1,2-Trichloroethane	97	6.967	6.969	-0.002	92	459054	9.73	
77 1,3-Dichloropropane	76	7.121	7.123	-0.002	94	794703	9.57	
78 Tetrachloroethene	164	7.133	7.135	-0.002	89	398404	9.48	
79 2-Hexanone	43	7.180	7.182	-0.002	96	531500	18.7	
81 Chlorodibromomethane	129	7.334	7.336	-0.002	89	422203	9.23	
83 Ethylene Dibromide	107	7.452	7.455	-0.003	100	407036	8.90	
85 Chlorobenzene	112	7.914	7.904	0.010	95	1320920	8.97	
86 1,1,1,2-Tetrachloroethane	131	7.973	7.975	-0.002	81	474840	9.29	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	692114	9.40	
88 m-Xylene & p-Xylene	106	8.115	8.117	-0.002	100	1781117	19.1	
89 o-Xylene	106	8.493	8.496	-0.003	93	873721	9.54	
90 Styrene	104	8.505	8.508	-0.003	93	1387370	9.44	
91 Bromoform	173	8.683	8.685	-0.002	97	227166	8.20	
92 Isopropylbenzene	105	8.848	8.851	-0.003	95	1962621	9.54	
94 Cyclohexanone	55	8.931	8.934	-0.003	90	181436	24.5	
95 1,1,2,2-Tetrachloroethane	83	9.109	9.111	-0.002	84	578514	9.27	
96 Bromobenzene	156	9.144	9.147	-0.003	92	513809	8.24	
97 1,2,3-Trichloropropane	110	9.156	9.158	-0.002	72	189723	9.41	
98 trans-1,4-Dichloro-2-butene	53	9.168	9.170	-0.002	76	230933	16.9	
99 N-Propylbenzene	120	9.239	9.241	-0.002	98	525289	9.54	
100 2-Chlorotoluene	126	9.334	9.336	-0.002	97	497932	8.99	
101 1,3,5-Trimethylbenzene	105	9.416	9.419	-0.003	94	1586629	9.35	
102 4-Chlorotoluene	126	9.440	9.431	0.009	98	515207	8.73	
103 tert-Butylbenzene	119	9.736	9.738	-0.002	91	1212110	8.70	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.003	76	1664438	9.48	
105 sec-Butylbenzene	105	9.949	9.951	-0.002	94	1603206	9.03	
106 1,3-Dichlorobenzene	146	10.067	10.070	-0.003	96	923498	8.26	
107 4-Isopropyltoluene	119	10.091	10.093	-0.002	92	1398120	9.37	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,4-Dichlorobenzene	146	10.150	10.152	-0.002	93	984416	8.18	
109 1,2,3-Trimethylbenzene	105	10.197	10.200	-0.003	96	1759401	9.58	
110 n-Butylbenzene	91	10.493	10.496	-0.003	98	1058570	8.96	
111 1,2-Dichlorobenzene	146	10.517	10.519	-0.002	97	945543	8.45	
112 1,2-Dibromo-3-Chloropropane	157	11.286	11.288	-0.002	75	82486	7.83	
114 1,2,4-Trichlorobenzene	180	12.126	12.128	-0.002	90	356698	6.28	
115 Hexachlorobutadiene	225	12.304	12.306	-0.002	94	153385	6.59	
116 Naphthalene	128	12.375	12.377	-0.002	100	967792	5.59	
117 1,2,3-Trichlorobenzene	180	12.623	12.625	-0.002	99	351188	5.72	
S 119 Trihalomethanes, Total	1				0		36.9	
S 120 1,2-Dichloroethene, Total	96				0		18.9	
S 122 Xylenes, Total	106				0		28.6	

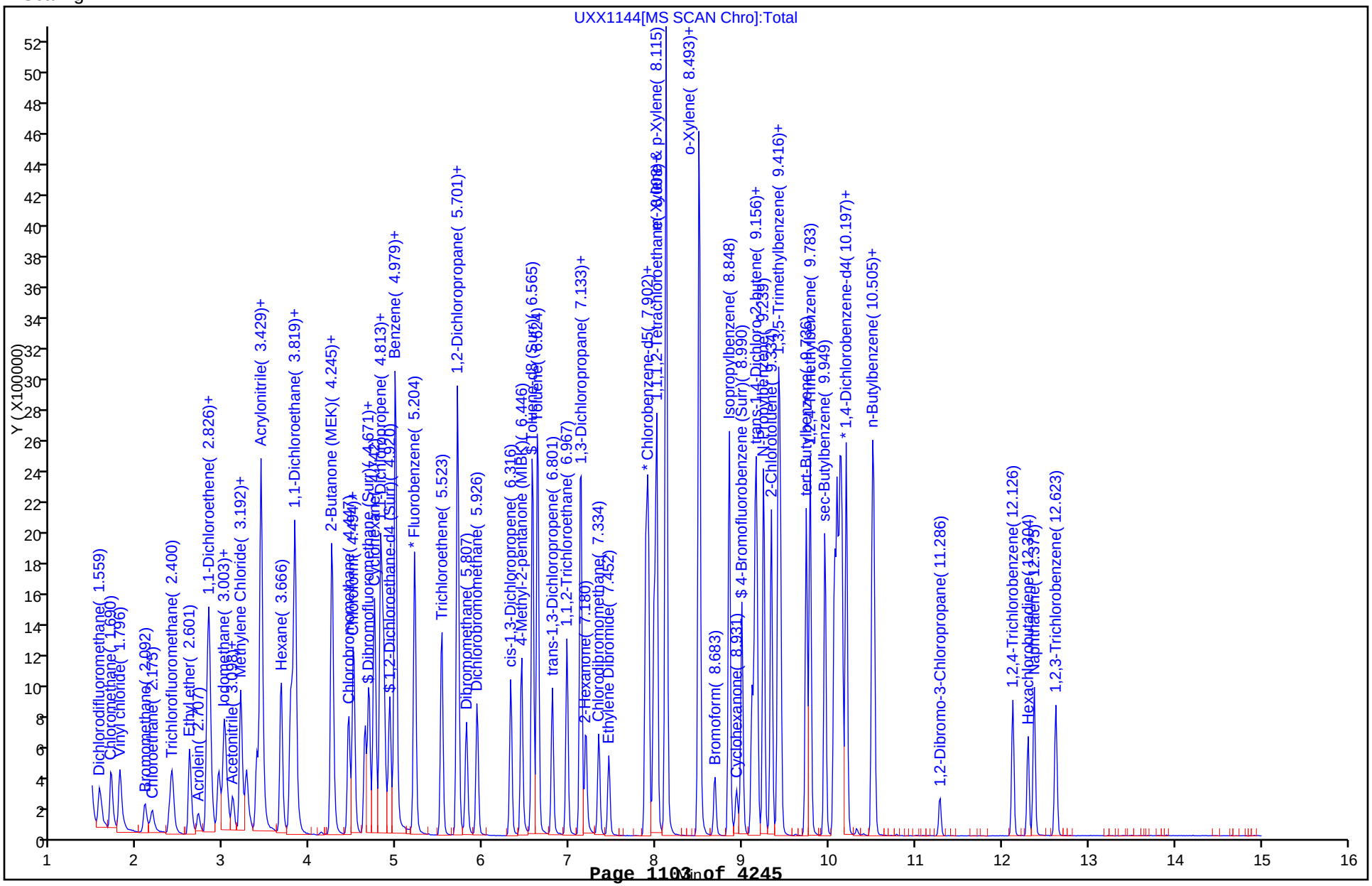
Report Date: 23-Nov-2012 08:57:01 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1144.D

Injection Date:	21-Nov-2012 16:46:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	18
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.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER MSD | Lab Sample ID: 240-17796-20 MSD

Matrix: Water | Lab File ID: UXX1145.D

Analysis Method: 8260B/DoD | Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/21/2012 17:08

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	10.5		1.0	0.25	0.22
79-34-5	1,1,2,2-Tetrachloroethane	10.0		1.0	0.25	0.18
79-00-5	1,1,2-Trichloroethane	9.84		1.0	0.50	0.27
75-34-3	1,1-Dichloroethane	10.5		1.0	0.25	0.15
75-35-4	1,1-Dichloroethene	11.0		1.0	0.25	0.19
107-06-2	1,2-Dichloroethane	10.4		1.0	0.25	0.22
540-59-0	1,2-Dichloroethene, Total	20.0		2.0	0.50	0.34
78-87-5	1,2-Dichloropropane	9.95		1.0	0.25	0.18
78-93-3	2-Butanone (MEK)	18.2		10	0.57	0.57
591-78-6	2-Hexanone	20.7		10	0.50	0.41
108-10-1	4-Methyl-2-pentanone (MIBK)	19.3		10	0.50	0.32
67-64-1	Acetone	20.3		10	1.1	1.1
71-43-2	Benzene	10.1		1.0	0.25	0.13
75-25-2	Bromoform	8.51		1.0	0.64	0.64
74-83-9	Bromomethane	8.31		1.0	0.50	0.41
75-15-0	Carbon disulfide	11.0		1.0	0.25	0.13
56-23-5	Carbon tetrachloride	10.7		1.0	0.25	0.13
108-90-7	Chlorobenzene	9.44		1.0	0.25	0.15
75-27-4	Bromodichloromethane	9.68		1.0	0.25	0.15
74-87-3	Chloromethane	9.50		1.0	0.50	0.30
10061-01-5	cis-1,3-Dichloropropene	8.21		1.0	0.25	0.14
124-48-1	Dibromochloromethane	9.43		1.0	0.25	0.18
100-41-4	Ethylbenzene	10.1		1.0	0.25	0.17
1634-04-4	Methyl tert-butyl ether	9.31		1.0	0.25	0.17
75-09-2	Methylene Chloride	9.96		1.0	0.50	0.33
100-42-5	Styrene	9.71		1.0	0.25	0.11
127-18-4	Tetrachloroethene	9.96		1.0	0.50	0.29
108-88-3	Toluene	10.1		1.0	0.25	0.13
67-66-3	Chloroform	10.2		1.0	0.25	0.16
74-97-5	Bromochloromethane	9.39		1.0	0.50	0.29
106-93-4	1,2-Dibromoethane	9.29		1.0	0.25	0.24
10061-02-6	trans-1,3-Dichloropropene	9.59		1.0	0.25	0.19
79-01-6	Trichloroethene	9.40		1.0	0.25	0.17
75-01-4	Vinyl chloride	10.6		1.0	0.25	0.22
75-00-3	Chloroethane	8.38		1.0	0.50	0.29
1330-20-7	Xylenes, Total	30.3		2.0	0.75	0.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER MSD Lab Sample ID: 240-17796-20 MSD

Matrix: Water Lab File ID: UXX1145.D

Analysis Method: 8260B/DoD Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 11/21/2012 17:08

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)	103		85-120
460-00-4	4-Bromofluorobenzene (Surr)	96		75-120
1868-53-7	Dibromofluoromethane (Surr)	96		85-115

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1145.D
Lims ID: 240-17796-O-20 MSD Client ID:
Inject. Date: 21-Nov-2012 17:08:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015165-019
Misc. Info.: P21121A,8260LLUX10,,1904 =P21121A,8260LLUX10,,1904
Operator: 1904 Instrument ID: A3UX10
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 65929 Lims Sample ID: 19
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 08:37:51

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 1 Fluorobenzene	96	5.203	5.206	-0.003	99	1961331	10.0	
* 2 Chlorobenzene-d5	117	7.877	7.881	-0.004	83	1250788	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.126	10.129	-0.003	91	665637	10.0	
$ 5 Dibromofluoromethane (Surr)	113	4.635	4.626	0.009	59	517848	9.64	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	4.919	4.922	-0.003	0	680402	10.8	
$ 7 Toluene-d8 (Surr)	98	6.564	6.567	-0.003	93	2031959	10.3	
$ 8 4-Bromofluorobenzene (Surr)	95	8.990	8.993	-0.003	89	628179	9.65	
12 Dichlorodifluoromethane	85	1.559	1.562	-0.003	97	523092	13.4	
13 Chloromethane	50	1.689	1.704	-0.015	99	716259	9.50	
14 Vinyl chloride	62	1.795	1.798	-0.003	97	630417	10.6	
16 Bromomethane	94	2.091	2.094	-0.003	90	231881	8.31	
17 Chloroethane	64	2.162	2.177	-0.015	92	241671	8.38	
19 Trichlorofluoromethane	101	2.399	2.402	-0.003	96	528473	12.2	
20 Ethyl ether	59	2.600	2.603	-0.003	90	488220	9.86	
21 Acrolein	56	2.695	2.710	-0.015	93	190257	27.4	
23 1,1-Dichloroethene	96	2.813	2.804	0.009	97	526928	11.0	
24 Acetone	43	2.825	2.828	-0.003	60	310127	20.3	
25 1,1,2-Trichloro-1,2,2-trifluoroe	151	2.825	2.840	-0.015	85	417866	11.5	
26 Iodomethane	142	2.943	2.934	0.009	97	841257	10.3	
27 Carbon disulfide	76	3.002	3.005	-0.003	99	1681437	11.0	
28 Acetonitrile	41	3.050	3.053	-0.003	94	155743	23.4	
30 Methyl acetate	43	3.097	3.100	-0.003	95	427941	9.33	
31 Methylene Chloride	84	3.192	3.195	-0.003	90	673994	9.96	
32 2-Methyl-2-propanol	59	3.263	3.266	-0.003	94	684775	172.7	
33 Acrylonitrile	53	3.381	3.384	-0.003	99	670869	29.2	
34 trans-1,2-Dichloroethene	96	3.428	3.431	-0.003	68	603093	10.3	
35 Methyl tert-butyl ether	73	3.428	3.431	-0.003	91	1590185	9.31	
36 Hexane	86	3.665	3.668	-0.003	91	111613	11.9	
37 1,1-Dichloroethane	63	3.771	3.775	-0.004	85	1056762	10.5	
38 Vinyl acetate	86	3.795	3.798	-0.003	97	114966	11.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
39 Isopropyl ether	87	3.819	3.822	-0.003	95	524316	9.25	
42 2-Butanone (MEK)	43	4.245	4.236	0.009	65	469652	18.2	
43 cis-1,2-Dichloroethene	96	4.245	4.248	-0.003	82	635150	9.71	
44 2,2-Dichloropropane	77	4.257	4.260	-0.003	89	493870	8.61	
48 Chlorobromomethane	128	4.446	4.437	0.009	95	297846	9.39	
50 Chloroform	83	4.493	4.496	-0.003	81	1026238	10.2	
49 Tetrahydrofuran	42	4.493	4.496	-0.003	93	160455	8.23	
51 1,1,1-Trichloroethane	97	4.671	4.674	-0.003	88	728254	10.5	
52 Cyclohexane	56	4.742	4.745	-0.003	89	854759	10.9	
53 1,1-Dichloropropene	75	4.813	4.816	-0.003	94	753450	10.6	
54 Carbon tetrachloride	117	4.825	4.828	-0.003	92	597287	10.7	
55 Isobutyl alcohol	41	4.848	4.851	-0.003	93	964066	583.4	
56 1,2-Dichloroethane	62	4.978	4.981	-0.003	53	758240	10.4	
57 Benzene	78	4.978	4.981	-0.003	95	2485547	10.1	
61 Trichloroethene	130	5.523	5.526	-0.003	93	571937	9.40	
63 Methylcyclohexane	83	5.700	5.703	-0.003	85	686032	10.6	
64 1,2-Dichloropropane	63	5.700	5.703	-0.003	79	569519	9.95	
66 Dibromomethane	93	5.807	5.798	0.009	90	334715	10.1	
68 Dichlorobromomethane	83	5.925	5.928	-0.003	94	658556	9.68	
70 2-Chloroethyl vinyl ether	63		6.177					9
71 cis-1,3-Dichloropropene	75	6.316	6.319	-0.003	91	689687	8.21	
72 4-Methyl-2-pentanone (MIBK)	43	6.446	6.437	0.009	97	962185	19.3	
73 Toluene	91	6.623	6.626	-0.003	98	2371345	10.1	
74 trans-1,3-Dichloropropene	75	6.801	6.804	-0.003	90	641061	9.59	
76 1,1,2-Trichloroethane	97	6.966	6.969	-0.003	86	470268	9.84	
77 1,3-Dichloropropane	76	7.120	7.123	-0.003	92	840631	9.98	
78 Tetrachloroethene	164	7.132	7.135	-0.003	90	424144	9.96	
79 2-Hexanone	43	7.191	7.182	0.009	97	598281	20.7	
81 Chlorodibromomethane	129	7.333	7.336	-0.003	88	437441	9.43	
83 Ethylene Dibromide	107	7.451	7.455	-0.004	98	430255	9.29	
85 Chlorobenzene	112	7.913	7.904	0.009	96	1408588	9.44	
86 1,1,1,2-Tetrachloroethane	131	7.972	7.975	-0.003	85	509764	9.85	
87 Ethylbenzene	106	8.008	8.011	-0.003	97	750826	10.1	
88 m-Xylene & p-Xylene	106	8.114	8.117	-0.003	100	1893623	20.0	
89 o-Xylene	106	8.493	8.496	-0.003	91	951625	10.3	
90 Styrene	104	8.505	8.508	-0.003	91	1446720	9.71	
91 Bromoform	173	8.682	8.685	-0.003	98	238873	8.51	
92 Isopropylbenzene	105	8.848	8.851	-0.003	95	2066522	9.91	
94 Cyclohexanone	55	8.931	8.934	-0.003	90	289297	39.3	
95 1,1,2,2-Tetrachloroethane	83	9.108	9.111	-0.003	93	622357	10.0	
96 Bromobenzene	156	9.144	9.147	-0.003	93	548835	8.86	
97 1,2,3-Trichloropropane	110	9.155	9.158	-0.003	73	203567	10.2	
98 trans-1,4-Dichloro-2-butene	53	9.167	9.170	-0.003	73	239802	17.7	
99 N-Propylbenzene	120	9.238	9.241	-0.003	97	548444	10.0	
100 2-Chlorotoluene	126	9.333	9.336	-0.003	96	520270	9.45	
101 1,3,5-Trimethylbenzene	105	9.416	9.419	-0.003	93	1705360	10.1	
102 4-Chlorotoluene	126	9.439	9.431	0.008	98	551453	9.41	
103 tert-Butylbenzene	119	9.735	9.738	-0.003	92	1451997	10.5	
104 1,2,4-Trimethylbenzene	105	9.783	9.786	-0.004	76	1779149	10.2	
105 sec-Butylbenzene	105	9.948	9.951	-0.003	94	1726495	9.78	
106 1,3-Dichlorobenzene	146	10.066	10.070	-0.004	96	995746	8.96	
107 4-Isopropyltoluene	119	10.090	10.093	-0.003	93	1523681	10.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
108 1,4-Dichlorobenzene	146	10.149	10.152	-0.003	93	1043035	8.72	
109 1,2,3-Trimethylbenzene	105	10.197	10.200	-0.003	96	1857173	10.2	
110 n-Butylbenzene	91	10.504	10.496	0.008	97	1156236	9.84	
111 1,2-Dichlorobenzene	146	10.516	10.519	-0.003	97	1023949	9.21	
112 1,2-Dibromo-3-Chloropropane	157	11.285	11.288	-0.003	77	92705	8.86	
114 1,2,4-Trichlorobenzene	180	12.125	12.128	-0.003	93	422143	7.48	
115 Hexachlorobutadiene	225	12.303	12.306	-0.003	97	177984	7.89	
116 Naphthalene	128	12.374	12.377	-0.003	100	1229853	7.15	
117 1,2,3-Trichlorobenzene	180	12.622	12.625	-0.003	99	431937	7.08	
S 119 Trihalomethanes, Total	1				0		37.8	
S 120 1,2-Dichloroethene, Total	96				0		20.0	
S 122 Xylenes, Total	106				0		30.3	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

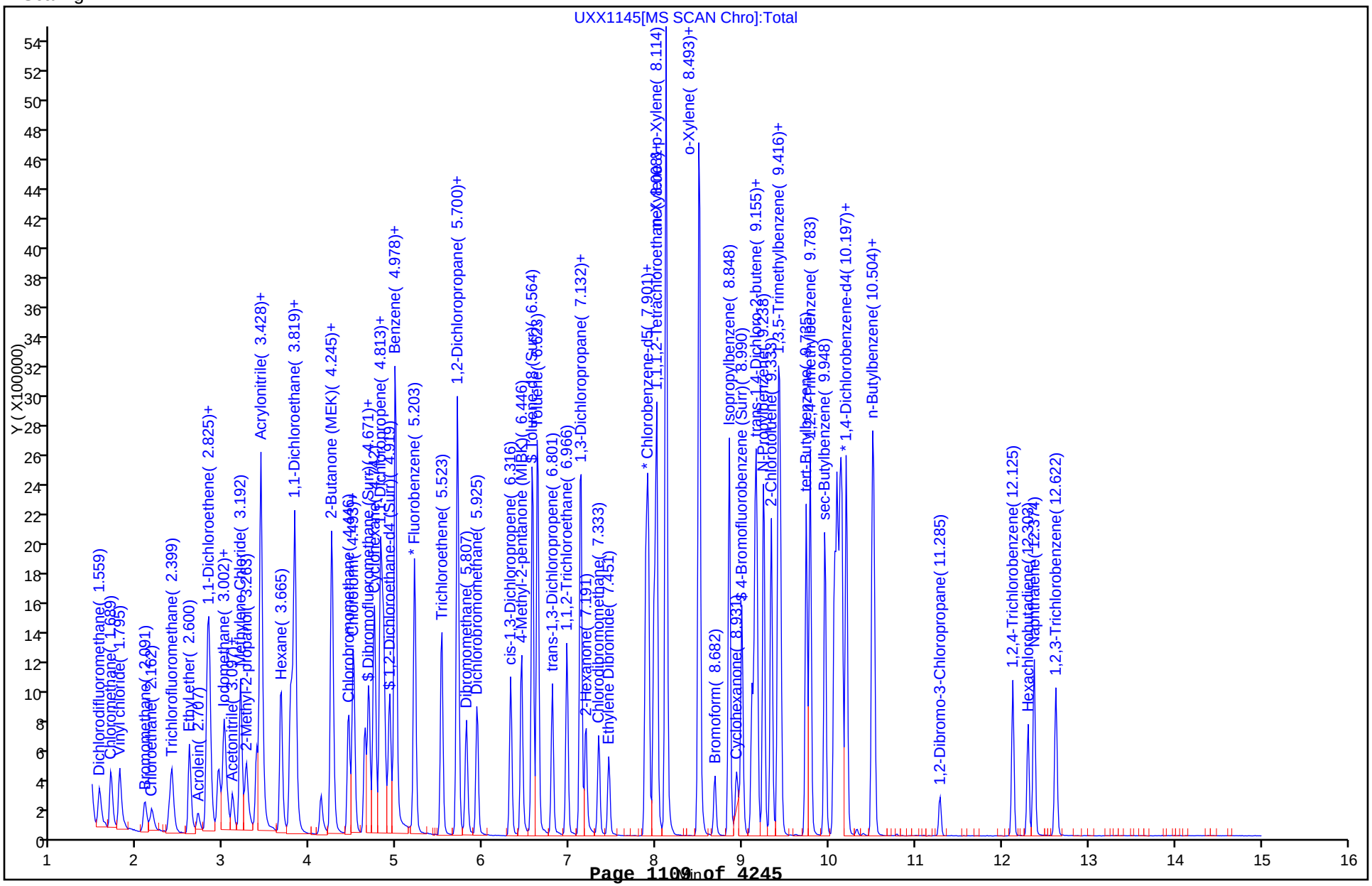
Report Date: 23-Nov-2012 08:57:01 Chrom Revision: 2.0 15-Nov-2012 14:43:54

TestAmerica Canton

Data File: \\NCChrom\ChromData\A3UX10\20121121-15165.b\UXX1145.D

Injection Date:	21-Nov-2012 17:08:30	Limit Group:	MSV 8260DOD ICAL
Client ID:		Instrument ID:	A3UX10
Lims Batch ID:	65929	Lims Sample ID:	19
Operator ID:	1904	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.: 240-17796-1

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.: 240-17796-1

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)
240-17796-20	076-0067-0001-ER	11/21/2012 13:47	1	UXX1136.D	DB-624 0.18(mm)
ZZZZZ		11/21/2012 14:09	1		DB-624 0.18(mm)
240-17796-21	076-0068-0001-TB	11/21/2012 14:31	1	UXX1138.D	DB-624 0.18(mm)
240-17796-37	076SB-0052-0001-TB	11/21/2012 14:54	1	UXX1139.D	DB-624 0.18(mm)
ZZZZZ		11/21/2012 15:18	1		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)
240-17796-20 MS	076-0067-0001-ER MS	11/21/2012 16:46	1	UXX1144.D	DB-624 0.18(mm)
240-17796-20 MSD	076-0067-0001-ER MSD	11/21/2012 17:08	1	UXX1145.D	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.: 240-17796-1

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.: 240-17796-1

SDG No.:

Instrument ID: A3UX14 Start Date: 11/26/2012 11:23

Analysis Batch Number: 66239 End Date: 11/26/2012 22:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-66239/1		11/26/2012 11:23	1	BFB14290.D	DB-624 0.18(mm)
CCV 240-66239/4		11/26/2012 12:28	1	149436.D	DB-624 0.18(mm)
CCV 240-66239/10		11/26/2012 12:49	1	149437.D	DB-624 0.18(mm)
MRL 240-66239/5		11/26/2012 13:11	1	149438.D	DB-624 0.18(mm)
LCS 240-66239/7		11/26/2012 13:54	1	149440.D	DB-624 0.18(mm)
MB 240-66239/8		11/26/2012 14:15	1	149441.D	DB-624 0.18(mm)
ZZZZZ		11/26/2012 14:37	1		DB-624 0.18(mm)
ZZZZZ		11/26/2012 15:20	1		DB-624 0.18(mm)
ZZZZZ		11/26/2012 16:03	1		DB-624 0.18(mm)
ZZZZZ		11/26/2012 16:46	1		DB-624 0.18(mm)
ZZZZZ		11/26/2012 17:08	1		DB-624 0.18(mm)
240-17796-1	076SB-0023M-0001-SO	11/26/2012 17:29	1	149450.D	DB-624 0.18(mm)
240-17796-3	076SB-0024M-0001-SO	11/26/2012 17:51	1	149451.D	DB-624 0.18(mm)
240-17796-4	076SB-0025M-0001-SO	11/26/2012 18:12	1	149452.D	DB-624 0.18(mm)
240-17796-5	076SB-0026M-0001-SO	11/26/2012 18:34	1	149453.D	DB-624 0.18(mm)
240-17796-6	076SB-0027M-0001-SO	11/26/2012 18:55	1	149454.D	DB-624 0.18(mm)
240-17796-7	076SB-0028M-0001-SO	11/26/2012 19:17	1	149455.D	DB-624 0.18(mm)
240-17796-8	076SB-0029M-0001-SO	11/26/2012 19:38	1	149456.D	DB-624 0.18(mm)
240-17796-22	076SB-0060M-0001-SO	11/26/2012 20:00	1	149457.D	DB-624 0.18(mm)
240-17796-23	076SB-0061M-0001-SO	11/26/2012 20:21	1	149458.D	DB-624 0.18(mm)
240-17796-24	076SB-0062M-0001-SO	11/26/2012 20:43	1	149459.D	DB-624 0.18(mm)
240-17796-25	076SB-0063M-0001-SO	11/26/2012 21:05	1	149460.D	DB-624 0.18(mm)
240-17796-26	076SB-0064M-0001-SO	11/26/2012 21:26	1	149461.D	DB-624 0.18(mm)
240-17796-27	076SB-0065M-0001-SO	11/26/2012 21:48	1	149462.D	DB-624 0.18(mm)
240-17796-28	076SB-0066M-0001-SO	11/26/2012 22:09	1	149463.D	DB-624 0.18(mm)
MRL 240-66239/31		11/26/2012 22:31	1	149464.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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	
240-17796-B-1	076SB-0023M-0001 -SO	5035, 8260B/DoD	T	+029.787 g	36.23 g	6.443 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-3	076SB-0024M-0001 -SO	5035, 8260B/DoD	T	+029.821 g	34.75 g	4.929 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-4	076SB-0025M-0001 -SO	5035, 8260B/DoD	T	+029.690 g	36.37 g	6.68 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-5	076SB-0026M-0001 -SO	5035, 8260B/DoD	T	+029.997 g	36.63 g	6.633 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-6	076SB-0027M-0001 -SO	5035, 8260B/DoD	T	+030.056 g	36.35 g	6.294 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-7	076SB-0028M-0001 -SO	5035, 8260B/DoD	T	+029.893 g	35.99 g	6.097 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-8	076SB-0029M-0001 -SO	5035, 8260B/DoD	T	+030.019 g	35.31 g	5.291 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-22	076SB-0060M-0001 -SO	5035, 8260B/DoD	T	+030.433 g	36.56 g	6.127 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-23	076SB-0061M-0001 -SO	5035, 8260B/DoD	T	+030.209 g	42.05 g	11.841 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-24	076SB-0062M-0001 -SO	5035, 8260B/DoD	T	+029.934 g	36.61 g	6.676 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-25	076SB-0063M-0001 -SO	5035, 8260B/DoD	T	+030.117 g	35.43 g	5.313 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-26	076SB-0064M-0001 -SO	5035, 8260B/DoD	T	+030.027 g	36.85 g	6.823 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-B-27	076SB-0065M-0001 -SO	5035, 8260B/DoD	T	+030.601 g	36.52 g	5.919 g	5 mL	Preserved on 11/17/2012 @ 08:00	
240-17796-D-28	076SB-0066M-0001 -SO	5035, 8260B/DoD	T	+030.560 g	37.41 g	6.85 g	5 mL	Preserved on 11/17/2012 @ 08:00	

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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

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.: 240-17796-1

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-0023M-0001-SO	240-17796-1	67	67	66	61	68	72
076SS-0022M-0001-SO	240-17796-2	61	77	79	72	61	77
076SB-0024M-0001-SO	240-17796-3	65	66	64	63	51	69
076SB-0025M-0001-SO	240-17796-4	65	66	61	63	67	75
076SB-0026M-0001-SO	240-17796-5	68	70	67	61	62	76
076SB-0027M-0001-SO	240-17796-6	61	62	60	56	67	70
076SB-0028M-0001-SO	240-17796-7	58	60	58	57	53	63
076SB-0029M-0001-SO	240-17796-8	69	75	73	68	64	77
076SB-0053M-0001-SO	240-17796-9	60	62	58	56	61	65
076SS-0007M-0001-SO	240-17796-10	68	72	68	64	74	71
076SB-0054M-0001-SO	240-17796-11	66	64	62	60	60	71
076SB-0055M-0001-SO	240-17796-12	72	73	72	68	70	72
076SB-0056M-0001-SO	240-17796-13	66	69	66	65	77	72
076SB-0057M-0001-SO	240-17796-14	57	60	56	54	63	63
076SB-0058M-0001-SO	240-17796-15	66	67	65	63	67	69
076SB-0059M-0001-SO	240-17796-16	60	81	75	73	58	77
076SB-0060M-0001-SO	240-17796-22	71	70	70	67	75	75
076SB-0061M-0001-SO	240-17796-23	64	68	63	61	57	69
076SB-0062M-0001-SO	240-17796-24	66	69	71	64	73	73
076SB-0063M-0001-SO	240-17796-25	67	76	73	69	74	76
076SB-0064M-0001-SO	240-17796-26	77	75	70	70	61	79
076SB-0065M-0001-SO	240-17796-27	70	70	62	64	68	72
076SB-0066M-0001-SO	240-17796-28	67	68	59	68	55	73
076SB-0044M-0001-SO	240-17796-29	59	71	66	66	44	75

	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.: 240-17796-1

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-0045M-0001-SO	240-17796-30	65	63	62	64	55	74
076SB-0046M-0001-SO	240-17796-31	63	71	65	65	51	75
076SB-0047M-0001-SO	240-17796-32	66	67	58	63	59	69
076SB-0048M-0001-SO	240-17796-33	71	80	76	68	28 Q	77
076SB-0048M-0001-SO RE	240-17796-33 RE	46	59	58	57	53	70
076SB-0049M-0001-SO	240-17796-34	74	67	63	64	54	74
076SB-0050M-0001-SO	240-17796-35	72	69	65	62	73	75
076SB-0051M-0001-SO	240-17796-36	76	77	75	73	63	86
	MB 240-66393/23-A	73	73	76	69	67	82
	MB 240-66569/21-A	76	75	75	74	71	89
	MB 240-66734/4-A	77	79	73	67	57	83
	MB 240-67600/22-A	61	66	65	63	52	90
	LCS 240-66393/24-A	73	71	72	66	75	74
	LCS 240-66569/22-A	69	70	68	67	83	82
	LCS 240-66734/5-A	75	78	70	65	74	77
	LCS 240-67600/23-A	70	72	74	71	73	93
076SB-0063M-0001-SO MS	240-17796-25 MS	75	79	74	67	79	76
076SB-0063M-0001-SO MSD	240-17796-25 MSD	73	76	70	66	76	76

	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.: 240-17796-1

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 #
	MRL 240-67761/3	99	102 Q	106 Q	104	113	102
	MRL 240-67761/7	99	100	106 Q	102	114	102

	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 II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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 #
076-0067-0001-ER	240-17796-20	63	65	68	61	73	79
	MB 240-65893/5-A	56	60	60	53	62	66
	LCS 240-65893/6-A	68	71	76	64	78	72

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

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.: 240-17796-1

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 240-67225/3	106 Q	106 Q	112 Q	101	104	100
	MRL 240-67225/25	100	105 Q	111 Q	102	114	104
	MRL 240-67368/3	100	106 Q	99	97	106	92
	MRL 240-67368/15	102	105 Q	100	92	100	96
	MRL 240-67390/3	106 Q	103 Q	106 Q	101	111	103
	MRL 240-67390/26	103	104 Q	110 Q	103	110	102
	MRL 240-67544/3	98	100	103 Q	103	111	100
	MRL 240-67544/25	97	98	108 Q	105	113	109
	MRL 240-68148/4	89	90	117 Q	114 Q	95	103
	MRL 240-68148/15	89	91	117 Q	112 Q	102	108

	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 II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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 240-66717/3	102	103	109	102	111	104
	MRL 240-66717/26	100	101	112 Q	102	114	104

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	50-150
PHL = Phenol-d5 (Surr)	50-150
NBZ = Nitrobenzene-d5 (Surr)	50-150
FBP = 2-Fluorobiphenyl (Surr)	70-130
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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21129005.D

Lab ID: LCS 240-65893/6-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	20.0	13.4	67	45-110	
Acenaphthylene	20.0	13.7	68	50-105	
Anthracene	20.0	13.8	69	55-110	
Benzo[a]anthracene	20.0	13.9	70	55-110	
Benzo[a]pyrene	20.0	11.5	57	55-110	
Benzo[b]fluoranthene	20.0	14.0	70	45-120	
Benzo[g,h,i]perylene	20.0	14.5	73	40-125	
Benzoic acid	20.0	10 U	38	0-125	
Benzo[k]fluoranthene	20.0	13.0	65	45-125	
Benzyl alcohol	20.0	14.3	72	30-110	
Bis(2-chloroethoxy)methane	20.0	14.0	70	45-105	
Bis(2-chloroethyl)ether	20.0	13.6	68	35-110	
bis (2-chloroisopropyl) ether	20.0	13.9	70	25-130	
Bis(2-ethylhexyl) phthalate	20.0	12.4	62	40-125	
4-Bromophenyl phenyl ether	20.0	14.4	72	50-115	
Butyl benzyl phthalate	20.0	14.1	70	45-115	
Carbazole	20.0	14.4	72	50-115	
4-Chloroaniline	20.0	13.1	65	15-110	
4-Chloro-3-methylphenol	20.0	15.3	76	45-110	
2-Chloronaphthalene	20.0	12.7	63	50-105	
2-Chlorophenol	20.0	13.8	69	35-105	
4-Chlorophenyl phenyl ether	20.0	13.7	68	50-110	
Chrysene	20.0	14.6	73	55-110	
Dibenz(a,h)anthracene	20.0	12.9	65	40-125	
Dibenzofuran	20.0	13.2	66	55-105	
1,2-Dichlorobenzene	20.0	11.0	55	35-100	
1,3-Dichlorobenzene	20.0	10.8	54	30-100	
1,4-Dichlorobenzene	20.0	11.0	55	30-100	
3,3'-Dichlorobenzidine	20.0	8.46	42	20-110	
2,4-Dichlorophenol	20.0	15.0	75	50-105	
Diethyl phthalate	20.0	14.7	73	40-120	
2,4-Dimethylphenol	20.0	11.3	57	30-110	
Dimethyl phthalate	20.0	14.4	72	25-125	
Di-n-butyl phthalate	20.0	15.2	76	55-115	
4,6-Dinitro-2-methylphenol	20.0	14.9	75	40-130	
2,4-Dinitrophenol	20.0	14.4	72	15-140	
2,4-Dinitrotoluene	20.0	15.4	77	50-120	
2,6-Dinitrotoluene	20.0	15.0	75	50-115	
Di-n-octyl phthalate	20.0	11.6	58	35-135	
Fluoranthene	20.0	14.7	74	55-115	
Fluorene	20.0	13.0	65	50-110	
Hexachlorobenzene	20.0	13.8	69	50-110	

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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21129005.D

Lab ID: LCS 240-65893/6-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	20.0	11.6	58	25-105	
Hexachloroethane	20.0	11.3	57	30-95	
Indeno[1,2,3-cd]pyrene	20.0	13.3	66	45-125	
Isophorone	20.0	15.5	78	50-110	
2-Methylnaphthalene	20.0	12.8	64	45-105	
2-Methylphenol	20.0	13.5	67	40-110	
3 & 4 Methylphenol	40.0	27.1	68	30-110	
Naphthalene	20.0	12.7	64	40-100	
2-Nitroaniline	20.0	15.8	79	50-115	
3-Nitroaniline	20.0	14.8	74	20-125	
4-Nitroaniline	20.0	14.4	72	35-120	
Nitrobenzene	20.0	14.6	73	45-110	
2-Nitrophenol	20.0	15.5	77	40-115	
4-Nitrophenol	20.0	14.7	74	0-125	
N-Nitrosodi-n-propylamine	20.0	14.6	73	35-130	
N-Nitrosodiphenylamine	20.0	13.5	68	50-110	
Pentachlorophenol	20.0	13.5	68	40-115	
Phenanthrene	20.0	13.5	67	50-115	
Phenol	20.0	14.3	72	0-115	
Pyrene	20.0	13.6	68	50-130	
1,2,4-Trichlorobenzene	20.0	11.4	57	35-105	
2,4,5-Trichlorophenol	20.0	14.2	71	50-110	
2,4,6-Trichlorophenol	20.0	14.7	74	50-115	

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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21204005.D

Lab ID: LCS 240-66393/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	473	71	45-110	
Acenaphthylene	667	468	70	45-105	
Anthracene	667	478	72	55-105	
Benzo[a]anthracene	667	487	73	50-110	
Benzo[a]pyrene	667	404	61	50-110	
Benzo[b]fluoranthene	667	458	69	45-115	
Benzo[g,h,i]perylene	667	493	74	40-125	
Benzoic acid	667	330 U	37	0-110	
Benzo[k]fluoranthene	667	484	73	45-125	
Benzyl alcohol	667	435	65	20-125	
Bis(2-chloroethoxy)methane	667	458	69	45-110	
Bis(2-chloroethyl)ether	667	470	70	40-105	
bis (2-chloroisopropyl) ether	667	472	71	20-115	
Bis(2-ethylhexyl) phthalate	667	481	72	45-125	
4-Bromophenyl phenyl ether	667	505	76	45-115	
Butyl benzyl phthalate	667	461	69	50-125	
Carbazole	667	473	71	45-115	
4-Chloroaniline	667	351	53	10-110	
4-Chloro-3-methylphenol	667	502	75	45-115	
2-Chloronaphthalene	667	461	69	45-105	
2-Chlorophenol	667	467	70	45-105	
4-Chlorophenyl phenyl ether	667	500	75	45-110	
Chrysene	667	506	76	55-110	
Dibenz(a,h)anthracene	667	449	67	40-125	
Dibenzofuran	667	471	71	50-105	
1,2-Dichlorobenzene	667	443	66	45-110	
1,3-Dichlorobenzene	667	434	65	40-100	
1,4-Dichlorobenzene	667	432	65	35-105	
3,3'-Dichlorobenzidine	667	253	38	10-130	
2,4-Dichlorophenol	667	488	73	45-110	
Diethyl phthalate	667	520	78	50-115	
2,4-Dimethylphenol	667	348	52	30-105	
Dimethyl phthalate	667	511	77	50-110	
Di-n-butyl phthalate	667	509	76	55-110	
4,6-Dinitro-2-methylphenol	667	452	68	30-135	
2,4-Dinitrophenol	667	425	64	15-130	
2,4-Dinitrotoluene	667	528	79	50-115	
2,6-Dinitrotoluene	667	536	80	50-110	
Di-n-octyl phthalate	667	418	63	40-130	
Fluoranthene	667	493	74	55-115	
Fluorene	667	489	73	50-110	
Hexachlorobenzene	667	499	75	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21204005.D

Lab ID: LCS 240-66393/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	446	67	40-115	
Hexachloroethane	667	458	69	35-110	
Indeno[1,2,3-cd]pyrene	667	454	68	40-120	
Isophorone	667	488	73	45-110	
2-Methylnaphthalene	667	465	70	45-105	
2-Methylphenol	667	448	67	40-105	
3 & 4 Methylphenol	1330	930	70	40-105	
Naphthalene	667	466	70	40-105	
2-Nitroaniline	667	520	78	45-120	
3-Nitroaniline	667	486	73	25-110	
4-Nitroaniline	667	461	69	35-115	
Nitrobenzene	667	479	72	40-115	
2-Nitrophenol	667	484	73	40-110	
4-Nitrophenol	667	502	75	15-140	
N-Nitrosodi-n-propylamine	667	491	74	40-115	
N-Nitrosodiphenylamine	667	463	70	50-115	
Pentachlorophenol	667	407	61	25-120	
Phenanthrene	667	470	70	50-110	
Phenol	667	491	74	40-100	
Pyrene	667	459	69	45-125	
1,2,4-Trichlorobenzene	667	442	66	45-110	
2,4,5-Trichlorophenol	667	513	77	50-110	
2,4,6-Trichlorophenol	667	496	74	45-110	

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.: 240-17796-1

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.: 240-17796-1

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 LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21205007.D

Lab ID: LCS 240-66734/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	489	73	45-110	
Acenaphthylene	667	481	72	45-105	
Anthracene	667	507	76	55-105	
Benzo[a]anthracene	667	486	73	50-110	
Benzo[a]pyrene	667	457	69	50-110	
Benzo[b]fluoranthene	667	513	77	45-115	
Benzo[g,h,i]perylene	667	522	78	40-125	
Benzoic acid	667	330 J	50	0-110	
Benzo[k]fluoranthene	667	541	81	45-125	
Benzyl alcohol	667	498	75	20-125	
Bis(2-chloroethoxy)methane	667	500	75	45-110	
Bis(2-chloroethyl)ether	667	500	75	40-105	
bis (2-chloroisopropyl) ether	667	514	77	20-115	
Bis(2-ethylhexyl) phthalate	667	482	72	45-125	
4-Bromophenyl phenyl ether	667	548	82	45-115	
Butyl benzyl phthalate	667	495	74	50-125	
Carbazole	667	512	77	45-115	
4-Chloroaniline	667	372	56	10-110	
4-Chloro-3-methylphenol	667	495	74	45-115	
2-Chloronaphthalene	667	481	72	45-105	
2-Chlorophenol	667	490	73	45-105	
4-Chlorophenyl phenyl ether	667	486	73	45-110	
Chrysene	667	512	77	55-110	
Dibenz(a,h)anthracene	667	521	78	40-125	
Dibenzofuran	667	488	73	50-105	
1,2-Dichlorobenzene	667	477	72	45-110	
1,3-Dichlorobenzene	667	463	69	40-100	
1,4-Dichlorobenzene	667	472	71	35-105	
3,3'-Dichlorobenzidine	667	335	50	10-130	
2,4-Dichlorophenol	667	508	76	45-110	
Diethyl phthalate	667	504	76	50-115	
2,4-Dimethylphenol	667	353	53	30-105	
Dimethyl phthalate	667	503	75	50-110	
Di-n-butyl phthalate	667	546	82	55-110	
4,6-Dinitro-2-methylphenol	667	420	63	30-135	
2,4-Dinitrophenol	667	326 J	49	15-130	
2,4-Dinitrotoluene	667	530	79	50-115	
2,6-Dinitrotoluene	667	527	79	50-110	
Di-n-octyl phthalate	667	483	73	40-130	
Fluoranthene	667	530	79	55-115	
Fluorene	667	478	72	50-110	
Hexachlorobenzene	667	509	76	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21205007.D

Lab ID: LCS 240-66734/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	480	72	40-115	
Hexachloroethane	667	434	65	35-110	
Indeno[1,2,3-cd]pyrene	667	521	78	40-120	
Isophorone	667	510	77	45-110	
2-Methylnaphthalene	667	489	73	45-105	
2-Methylphenol	667	486	73	40-105	
3 & 4 Methylphenol	1330	1030	77	40-105	
Naphthalene	667	488	73	40-105	
2-Nitroaniline	667	513	77	45-120	
3-Nitroaniline	667	472	71	25-110	
4-Nitroaniline	667	487	73	35-115	
Nitrobenzene	667	497	75	40-115	
2-Nitrophenol	667	500	75	40-110	
4-Nitrophenol	667	488	73	15-140	
N-Nitrosodi-n-propylamine	667	508	76	40-115	
N-Nitrosodiphenylamine	667	519	78	50-115	
Pentachlorophenol	667	364	55	25-120	
Phenanthrene	667	515	77	50-110	
Phenol	667	512	77	40-100	
Pyrene	667	497	75	45-125	
1,2,4-Trichlorobenzene	667	452	68	45-110	
2,4,5-Trichlorophenol	667	471	71	50-110	
2,4,6-Trichlorophenol	667	470	70	45-110	

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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21211008.D

Lab ID: LCS 240-67600/23-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	519	78	45-110	
Acenaphthylene	667	520	78	45-105	
Anthracene	667	575	86	55-105	
Benzo[a]anthracene	667	597	89	50-110	
Benzo[a]pyrene	667	565	85	50-110	
Benzo[b]fluoranthene	667	635	95	45-115	
Benzo[g,h,i]perylene	667	719	108	40-125	
Benzoic acid	667	330 U	30	0-110	
Benzo[k]fluoranthene	667	687	103	45-125	
Benzyl alcohol	667	513	77	20-125	
Bis(2-chloroethoxy)methane	667	494	74	45-110	
Bis(2-chloroethyl)ether	667	465	70	40-105	
bis (2-chloroisopropyl) ether	667	436	65	20-115	
Bis(2-ethylhexyl) phthalate	667	600	90	45-125	
4-Bromophenyl phenyl ether	667	586	88	45-115	
Butyl benzyl phthalate	667	593	89	50-125	
Carbazole	667	586	88	45-115	
4-Chloroaniline	667	342	51	10-110	
4-Chloro-3-methylphenol	667	561	84	45-115	
2-Chloronaphthalene	667	504	76	45-105	
2-Chlorophenol	667	484	73	45-105	
4-Chlorophenyl phenyl ether	667	553	83	45-110	
Chrysene	667	630	94	55-110	
Dibenz(a,h)anthracene	667	627	94	40-125	
Dibenzofuran	667	521	78	50-105	
1,2-Dichlorobenzene	667	465	70	45-110	
1,3-Dichlorobenzene	667	452	68	40-100	
1,4-Dichlorobenzene	667	452	68	35-105	
3,3'-Dichlorobenzidine	667	403	60	10-130	
2,4-Dichlorophenol	667	533	80	45-110	
Diethyl phthalate	667	599	90	50-115	
2,4-Dimethylphenol	667	402	60	30-105	
Dimethyl phthalate	667	579	87	50-110	
Di-n-butyl phthalate	667	633	95	55-110	
4,6-Dinitro-2-methylphenol	667	500	75	30-135	
2,4-Dinitrophenol	667	400	60	15-130	
2,4-Dinitrotoluene	667	591	89	50-115	
2,6-Dinitrotoluene	667	580	87	50-110	
Di-n-octyl phthalate	667	621	93	40-130	
Fluoranthene	667	615	92	55-115	
Fluorene	667	542	81	50-110	
Hexachlorobenzene	667	588	88	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21211008.D

Lab ID: LCS 240-67600/23-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Hexachlorobutadiene	667	499	75	40-115	
Hexachloroethane	667	454	68	35-110	
Indeno[1,2,3-cd]pyrene	667	639	96	40-120	
Isophorone	667	535	80	45-110	
2-Methylnaphthalene	667	520	78	45-105	
2-Methylphenol	667	479	72	40-105	
3 & 4 Methylphenol	1330	978	73	40-105	
Naphthalene	667	504	76	40-105	
2-Nitroaniline	667	566	85	45-120	
3-Nitroaniline	667	527	79	25-110	
4-Nitroaniline	667	557	84	35-115	
Nitrobenzene	667	511	77	40-115	
2-Nitrophenol	667	522	78	40-110	
4-Nitrophenol	667	588	88	15-140	
N-Nitrosodi-n-propylamine	667	490	74	40-115	
N-Nitrosodiphenylamine	667	569	85	50-115	
Pentachlorophenol	667	475	71	25-120	
Phenanthrene	667	568	85	50-110	
Phenol	667	487	73	40-100	
Pyrene	667	570	86	45-125	
1,2,4-Trichlorobenzene	667	481	72	45-110	
2,4,5-Trichlorophenol	667	513	77	50-110	
2,4,6-Trichlorophenol	667	466	70	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21129003.D

Lab ID: MRL 240-66717/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.04	101	70-130	
Acenaphthylene	5.00	5.04	101	70-130	
Anthracene	5.00	5.03	101	70-130	
Benzo[a]anthracene	5.00	5.08	102	70-130	
Benzo[a]pyrene	5.00	5.19	104	70-130	
Benzo[b]fluoranthene	5.00	5.61	112	70-130	
Benzo[g,h,i]perylene	5.00	5.52	110	70-130	
Benzoic acid	10.0	9.57	96	70-130	
Benzo[k]fluoranthene	5.00	5.15	103	70-130	
Benzyl alcohol	5.00	5.15	103	70-130	
Bis(2-chloroethoxy)methane	5.00	5.01	100	70-130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70-130	
bis (2-chloroisopropyl) ether	5.00	5.24	105	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.17	103	70-130	
4-Bromophenyl phenyl ether	5.00	5.20	104	70-130	
Butyl benzyl phthalate	5.00	5.34	107	70-130	
Carbazole	5.00	5.03	101	70-130	
4-Chloroaniline	5.00	5.09	102	70-130	
4-Chloro-3-methylphenol	5.00	5.21	104	70-130	
2-Chloronaphthalene	5.00	4.99	100	70-130	
2-Chlorophenol	5.00	5.21	104	70-130	
4-Chlorophenyl phenyl ether	5.00	5.17	103	70-130	
Chrysene	5.00	4.95	99	70-130	
Dibenz(a,h)anthracene	5.00	5.07	101	70-130	
Dibenzofuran	5.00	5.01	100	70-130	
1,2-Dichlorobenzene	5.00	5.13	103	70-130	
1,3-Dichlorobenzene	5.00	5.12	102	70-130	
1,4-Dichlorobenzene	5.00	5.03	101	70-130	
3,3'-Dichlorobenzidine	5.00	5.27	105	70-130	
2,4-Dichlorophenol	5.00	5.27	105	70-130	
Diethyl phthalate	5.00	5.10	102	70-130	
2,4-Dimethylphenol	5.00	5.21	104	70-130	
Dimethyl phthalate	5.00	5.06	101	70-130	
Di-n-butyl phthalate	5.00	5.23	105	70-130	
4,6-Dinitro-2-methylphenol	5.00	5.26	105	70-130	
2,4-Dinitrophenol	10.0	10.8	108	70-130	
2,4-Dinitrotoluene	5.00	5.32	106	70-130	
2,6-Dinitrotoluene	5.00	5.28	106	70-130	
Di-n-octyl phthalate	5.00	5.11	102	70-130	
Fluoranthene	5.00	5.17	103	70-130	
Fluorene	5.00	5.00	100	70-130	
Hexachlorobenzene	5.00	5.22	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21129003.D

Lab ID: MRL 240-66717/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.28	106	70-130	
Hexachloroethane	5.00	5.07	101	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.20	104	70-130	
Isophorone	5.00	5.29	106	70-130	
2-Methylnaphthalene	5.00	5.02	100	70-130	
2-Methylphenol	5.00	5.03	101	70-130	
3 & 4 Methylphenol	5.00	5.10	102	70-130	
Naphthalene	5.00	5.09	102	70-130	
2-Nitroaniline	5.00	5.64	113	70-130	
3-Nitroaniline	5.00	5.44	109	70-130	
4-Nitroaniline	5.00	5.16	103	70-130	
Nitrobenzene	5.00	5.35	107	70-130	
2-Nitrophenol	5.00	5.56	111	70-130	
4-Nitrophenol	5.00	5.19	104	70-130	
N-Nitrosodi-n-propylamine	5.00	5.19	104	70-130	
N-Nitrosodiphenylamine	5.00	0.00080 U	0	70-130	^
Pentachlorophenol	10.0	10.2	102	70-130	
Phenanthrene	5.00	4.81	96	70-130	
Phenol	5.00	5.21	104	70-130	
Pyrene	5.00	5.15	103	70-130	
1,2,4-Trichlorobenzene	5.00	5.20	104	70-130	
2,4,5-Trichlorophenol	5.00	5.31	106	70-130	
2,4,6-Trichlorophenol	5.00	5.35	107	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21129026.D

Lab ID: MRL 240-66717/26 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.05	101	70-130	
Acenaphthylene	5.00	5.09	102	70-130	
Anthracene	5.00	5.05	101	70-130	
Benzo[a]anthracene	5.00	5.29	106	70-130	
Benzo[a]pyrene	5.00	5.25	105	70-130	
Benzo[b]fluoranthene	5.00	5.18	104	70-130	
Benzo[g,h,i]perylene	5.00	5.52	110	70-130	
Benzoic acid	10.0	8.66	87	70-130	
Benzo[k]fluoranthene	5.00	5.35	107	70-130	
Benzyl alcohol	5.00	5.12	102	70-130	
Bis(2-chloroethoxy)methane	5.00	5.20	104	70-130	
Bis(2-chloroethyl)ether	5.00	4.97	99	70-130	
bis (2-chloroisopropyl) ether	5.00	5.15	103	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.27	105	70-130	
4-Bromophenyl phenyl ether	5.00	5.19	104	70-130	
Butyl benzyl phthalate	5.00	5.31	106	70-130	
Carbazole	5.00	4.85	97	70-130	
4-Chloroaniline	5.00	5.14	103	70-130	
4-Chloro-3-methylphenol	5.00	5.48	110	70-130	
2-Chloronaphthalene	5.00	5.17	103	70-130	
2-Chlorophenol	5.00	5.04	101	70-130	
4-Chlorophenyl phenyl ether	5.00	5.38	108	70-130	
Chrysene	5.00	5.14	103	70-130	
Dibenz(a,h)anthracene	5.00	5.06	101	70-130	
Dibenzofuran	5.00	4.92	98	70-130	
1,2-Dichlorobenzene	5.00	5.13	103	70-130	
1,3-Dichlorobenzene	5.00	5.01	100	70-130	
1,4-Dichlorobenzene	5.00	4.86	97	70-130	
3,3'-Dichlorobenzidine	5.00	5.30	106	70-130	
2,4-Dichlorophenol	5.00	5.39	108	70-130	
Diethyl phthalate	5.00	5.13	103	70-130	
2,4-Dimethylphenol	5.00	5.33	107	70-130	
Dimethyl phthalate	5.00	5.27	105	70-130	
Di-n-butyl phthalate	5.00	5.18	104	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.84	97	70-130	
2,4-Dinitrophenol	10.0	9.44	94	70-130	
2,4-Dinitrotoluene	5.00	5.55	111	70-130	
2,6-Dinitrotoluene	5.00	5.45	109	70-130	
Di-n-octyl phthalate	5.00	5.30	106	70-130	
Fluoranthene	5.00	5.05	101	70-130	
Fluorene	5.00	5.05	101	70-130	
Hexachlorobenzene	5.00	5.22	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21129026.D

Lab ID: MRL 240-66717/26 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Hexachlorobutadiene	5.00	5.46	109	70-130	
Hexachloroethane	5.00	4.89	98	70-130	
Indeno[1,2,3-cd]pyrene	5.00	5.28	106	70-130	
Isophorone	5.00	5.38	108	70-130	
2-Methylnaphthalene	5.00	5.15	103	70-130	
2-Methylphenol	5.00	5.13	103	70-130	
3 & 4 Methylphenol	5.00	4.99	100	70-130	
Naphthalene	5.00	5.17	103	70-130	
2-Nitroaniline	5.00	5.40	108	70-130	
3-Nitroaniline	5.00	5.62	112	70-130	
4-Nitroaniline	5.00	5.28	106	70-130	
Nitrobenzene	5.00	5.48	110	70-130	
2-Nitrophenol	5.00	5.55	111	70-130	
4-Nitrophenol	5.00	4.96	99	70-130	
N-Nitrosodi-n-propylamine	5.00	5.29	106	70-130	
N-Nitrosodiphenylamine	5.00	4.90	98	70-130	
Pentachlorophenol	10.0	9.79	98	70-130	
Phenanthrene	5.00	4.75	95	70-130	
Phenol	5.00	5.05	101	70-130	
Pyrene	5.00	5.08	102	70-130	
1,2,4-Trichlorobenzene	5.00	5.48	110	70-130	
2,4,5-Trichlorophenol	5.00	5.50	110	70-130	
2,4,6-Trichlorophenol	5.00	5.37	107	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21204003.D

Lab ID: MRL 240-67225/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.09	102	70-130	
Acenaphthylene	5.00	5.16	103	70-130	
Anthracene	5.00	5.02	100	70-130	
Benzo[a]anthracene	5.00	5.03	101	70-130	
Benzo[a]pyrene	5.00	5.23	105	70-130	
Benzo[b]fluoranthene	5.00	5.37	107	70-130	
Benzo[g,h,i]perylene	5.00	5.57	111	70-130	
Benzoic acid	10.0	9.12	91	70-130	
Benzo[k]fluoranthene	5.00	5.30	106	70-130	
Benzyl alcohol	5.00	5.18	104	70-130	
Bis(2-chloroethoxy)methane	5.00	5.04	101	70-130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.96	99	70-130	
4-Bromophenyl phenyl ether	5.00	5.23	105	70-130	
Butyl benzyl phthalate	5.00	4.74	95	70-130	
Carbazole	5.00	5.12	102	70-130	
4-Chloro-3-methylphenol	5.00	5.22	104	70-130	
2-Chloronaphthalene	5.00	5.07	101	70-130	
2-Chlorophenol	5.00	5.32	106	70-130	
4-Chlorophenyl phenyl ether	5.00	5.25	105	70-130	
Chrysene	5.00	5.00	100	70-130	
Dibenz(a,h)anthracene	5.00	5.02	100	70-130	
Dibenzofuran	5.00	4.90	98	70-130	
1,2-Dichlorobenzene	5.00	5.15	103	70-130	
1,3-Dichlorobenzene	5.00	5.21	104	70-130	
1,4-Dichlorobenzene	5.00	5.00	100	70-130	
3,3'-Dichlorobenzidine	5.00	4.69	94	70-130	
2,4-Dichlorophenol	5.00	5.25	105	70-130	
Diethyl phthalate	5.00	5.32	106	70-130	
2,4-Dimethylphenol	5.00	5.13	103	70-130	
Dimethyl phthalate	5.00	5.18	104	70-130	
Di-n-butyl phthalate	5.00	5.22	104	70-130	
4,6-Dinitro-2-methylphenol	5.00	5.09	102	70-130	
2,4-Dinitrophenol	10.0	10.1	101	70-130	
2,4-Dinitrotoluene	5.00	5.34	107	70-130	
2,6-Dinitrotoluene	5.00	5.28	106	70-130	
Di-n-octyl phthalate	5.00	4.78	96	70-130	
Fluoranthene	5.00	5.24	105	70-130	
Fluorene	5.00	5.09	102	70-130	
Hexachlorobenzene	5.00	5.16	103	70-130	
Hexachlorobutadiene	5.00	5.25	105	70-130	
Hexachloroethane	5.00	5.13	103	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21204003.D

Lab ID: MRL 240-67225/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.18	104	70-130	
Isophorone	5.00	5.22	104	70-130	
2-Methylnaphthalene	5.00	5.04	101	70-130	
2-Methylphenol	5.00	5.12	102	70-130	
3 & 4 Methylphenol	5.00	5.08	102	70-130	
Naphthalene	5.00	5.18	104	70-130	
2-Nitroaniline	5.00	5.34	107	70-130	
3-Nitroaniline	5.00	5.25	105	70-130	
4-Nitroaniline	5.00	5.04	101	70-130	
Nitrobenzene	5.00	5.38	108	70-130	
2-Nitrophenol	5.00	5.25	105	70-130	
4-Nitrophenol	5.00	5.10	102	70-130	
N-Nitrosodi-n-propylamine	5.00	5.24	105	70-130	
N-Nitrosodiphenylamine	5.00	0.00080 U	0	70-130	^
Pentachlorophenol	10.0	10.3	103	70-130	
Phenanthrene	5.00	4.93	99	70-130	
Phenol	5.00	5.35	107	70-130	
Pyrene	5.00	5.02	100	70-130	
1,2,4-Trichlorobenzene	5.00	5.21	104	70-130	
2,4,5-Trichlorophenol	5.00	5.36	107	70-130	
2,4,6-Trichlorophenol	5.00	5.27	105	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21204025.D

Lab ID: MRL 240-67225/25 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	4.96	99	70-130	
Anthracene	5.00	4.98	100	70-130	
Benzo[a]anthracene	5.00	5.28	106	70-130	
Benzo[a]pyrene	5.00	5.21	104	70-130	
Benzo[b]fluoranthene	5.00	5.42	108	70-130	
Benzo[g,h,i]perylene	5.00	5.02	100	70-130	
Benzoic acid	10.0	7.87	79	70-130	
Benzo[k]fluoranthene	5.00	5.50	110	70-130	
Benzyl alcohol	5.00	5.32	106	70-130	
Bis(2-chloroethoxy)methane	5.00	5.22	104	70-130	
Bis(2-chloroethyl)ether	5.00	5.12	102	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.34	107	70-130	
4-Bromophenyl phenyl ether	5.00	5.25	105	70-130	
Butyl benzyl phthalate	5.00	5.32	106	70-130	
Carbazole	5.00	4.91	98	70-130	
4-Chloro-3-methylphenol	5.00	5.28	106	70-130	
2-Chloronaphthalene	5.00	5.10	102	70-130	
2-Chlorophenol	5.00	5.14	103	70-130	
4-Chlorophenyl phenyl ether	5.00	5.53	111	70-130	
Chrysene	5.00	5.11	102	70-130	
Dibenz(a,h)anthracene	5.00	4.82	96	70-130	
Dibenzofuran	5.00	5.02	100	70-130	
1,2-Dichlorobenzene	5.00	5.32	106	70-130	
1,3-Dichlorobenzene	5.00	5.18	104	70-130	
1,4-Dichlorobenzene	5.00	5.10	102	70-130	
3,3'-Dichlorobenzidine	5.00	5.30	106	70-130	
2,4-Dichlorophenol	5.00	5.23	105	70-130	
Diethyl phthalate	5.00	5.20	104	70-130	
2,4-Dimethylphenol	5.00	5.20	104	70-130	
Dimethyl phthalate	5.00	5.25	105	70-130	
Di-n-butyl phthalate	5.00	5.17	103	70-130	
4,6-Dinitro-2-methylphenol	5.00	3.97	79	70-130	
2,4-Dinitrophenol	10.0	6.89	69	70-130	^
2,4-Dinitrotoluene	5.00	5.60	112	70-130	
2,6-Dinitrotoluene	5.00	5.38	108	70-130	
Di-n-octyl phthalate	5.00	5.32	106	70-130	
Fluoranthene	5.00	5.11	102	70-130	
Fluorene	5.00	5.08	102	70-130	
Hexachlorobenzene	5.00	5.25	105	70-130	
Hexachlorobutadiene	5.00	5.39	108	70-130	
Hexachloroethane	5.00	5.08	102	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21204025.D

Lab ID: MRL 240-67225/25 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.92	98	70-130	
Isophorone	5.00	5.34	107	70-130	
2-Methylnaphthalene	5.00	5.08	102	70-130	
2-Methylphenol	5.00	5.08	102	70-130	
3 & 4 Methylphenol	5.00	5.11	102	70-130	
Naphthalene	5.00	5.04	101	70-130	
2-Nitroaniline	5.00	5.36	107	70-130	
3-Nitroaniline	5.00	5.69	114	70-130	
4-Nitroaniline	5.00	5.39	108	70-130	
Nitrobenzene	5.00	5.41	108	70-130	
2-Nitrophenol	5.00	5.20	104	70-130	
4-Nitrophenol	5.00	5.17	103	70-130	
N-Nitrosodi-n-propylamine	5.00	5.37	107	70-130	
N-Nitrosodiphenylamine	5.00	4.92	98	70-130	
Pentachlorophenol	10.0	9.50	95	70-130	
Phenanthrene	5.00	4.74	95	70-130	
Phenol	5.00	5.20	104	70-130	
Pyrene	5.00	5.09	102	70-130	
1,2,4-Trichlorobenzene	5.00	5.46	109	70-130	
2,4,5-Trichlorophenol	5.00	5.50	110	70-130	
2,4,6-Trichlorophenol	5.00	5.36	107	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21205003.D

Lab ID: MRL 240-67368/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.11	102	70-130	
Acenaphthylene	5.00	5.10	102	70-130	
Anthracene	5.00	4.96	99	70-130	
Benzo[a]anthracene	5.00	4.65	93	70-130	
Benzo[a]pyrene	5.00	4.85	97	70-130	
Benzo[b]fluoranthene	5.00	4.73	95	70-130	
Benzo[g,h,i]perylene	5.00	4.82	96	70-130	
Benzoic acid	10.0	8.86	89	70-130	
Benzo[k]fluoranthene	5.00	5.03	101	70-130	
Benzyl alcohol	5.00	5.05	101	70-130	
Bis(2-chloroethoxy)methane	5.00	5.10	102	70-130	
Bis(2-chloroethyl)ether	5.00	5.08	102	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.73	95	70-130	
4-Bromophenyl phenyl ether	5.00	4.99	100	70-130	
Butyl benzyl phthalate	5.00	4.65	93	70-130	
Carbazole	5.00	4.80	96	70-130	
4-Chloro-3-methylphenol	5.00	5.06	101	70-130	
2-Chloronaphthalene	5.00	4.96	99	70-130	
2-Chlorophenol	5.00	4.87	97	70-130	
4-Chlorophenyl phenyl ether	5.00	5.12	102	70-130	
Chrysene	5.00	4.90	98	70-130	
Dibenz(a,h)anthracene	5.00	4.76	95	70-130	
Dibenzofuran	5.00	5.09	102	70-130	
1,2-Dichlorobenzene	5.00	5.03	101	70-130	
1,3-Dichlorobenzene	5.00	5.10	102	70-130	
1,4-Dichlorobenzene	5.00	5.07	101	70-130	
3,3'-Dichlorobenzidine	5.00	4.86	97	70-130	
2,4-Dichlorophenol	5.00	5.16	103	70-130	
Diethyl phthalate	5.00	4.89	98	70-130	
2,4-Dimethylphenol	5.00	4.94	99	70-130	
Dimethyl phthalate	5.00	5.13	103	70-130	
Di-n-butyl phthalate	5.00	4.86	97	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.69	94	70-130	
2,4-Dinitrophenol	10.0	8.95	90	70-130	
2,4-Dinitrotoluene	5.00	5.18	104	70-130	
2,6-Dinitrotoluene	5.00	5.41	108	70-130	
Di-n-octyl phthalate	5.00	4.68	94	70-130	
Fluoranthene	5.00	4.82	96	70-130	
Fluorene	5.00	4.97	99	70-130	
Hexachlorobenzene	5.00	5.11	102	70-130	
Hexachlorobutadiene	5.00	4.99	100	70-130	
Hexachloroethane	5.00	4.92	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21205003.D

Lab ID: MRL 240-67368/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.89	98	70-130	
Isophorone	5.00	4.94	99	70-130	
2-Methylnaphthalene	5.00	4.87	97	70-130	
2-Methylphenol	5.00	5.18	104	70-130	
3 & 4 Methylphenol	5.00	5.18	104	70-130	
Naphthalene	5.00	4.86	97	70-130	
2-Nitroaniline	5.00	5.07	101	70-130	
3-Nitroaniline	5.00	5.32	106	70-130	
4-Nitroaniline	5.00	5.53	111	70-130	
Nitrobenzene	5.00	5.10	102	70-130	
2-Nitrophenol	5.00	4.99	100	70-130	
4-Nitrophenol	5.00	4.74	95	70-130	
N-Nitrosodi-n-propylamine	5.00	5.23	105	70-130	
N-Nitrosodiphenylamine	5.00	4.92	98	70-130	
Pentachlorophenol	10.0	8.82	88	70-130	
Phenanthrene	5.00	4.76	95	70-130	
Phenol	5.00	5.26	105	70-130	
Pyrene	5.00	4.80	96	70-130	
1,2,4-Trichlorobenzene	5.00	5.09	102	70-130	
2,4,5-Trichlorophenol	5.00	4.69	94	70-130	
2,4,6-Trichlorophenol	5.00	5.09	102	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21205015.D

Lab ID: MRL 240-67368/15 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.67	93	70-130	
Acenaphthylene	5.00	4.72	94	70-130	
Anthracene	5.00	4.88	98	70-130	
Benzo[a]anthracene	5.00	4.88	98	70-130	
Benzo[a]pyrene	5.00	4.83	97	70-130	
Benzo[b]fluoranthene	5.00	4.66	93	70-130	
Benzo[g,h,i]perylene	5.00	4.80	96	70-130	
Benzoic acid	10.0	7.98	80	70-130	
Benzo[k]fluoranthene	5.00	5.03	101	70-130	
Benzyl alcohol	5.00	5.04	101	70-130	
Bis(2-chloroethoxy)methane	5.00	4.96	99	70-130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.70	94	70-130	
4-Bromophenyl phenyl ether	5.00	4.93	99	70-130	
Butyl benzyl phthalate	5.00	4.79	96	70-130	
Carbazole	5.00	4.67	93	70-130	
4-Chloro-3-methylphenol	5.00	4.80	96	70-130	
2-Chloronaphthalene	5.00	4.56	91	70-130	
2-Chlorophenol	5.00	4.91	98	70-130	
4-Chlorophenyl phenyl ether	5.00	4.62	92	70-130	
Chrysene	5.00	4.75	95	70-130	
Dibenz(a,h)anthracene	5.00	4.85	97	70-130	
Dibenzofuran	5.00	4.53	91	70-130	
1,2-Dichlorobenzene	5.00	4.89	98	70-130	
1,3-Dichlorobenzene	5.00	4.89	98	70-130	
1,4-Dichlorobenzene	5.00	4.92	98	70-130	
3,3'-Dichlorobenzidine	5.00	4.83	97	70-130	
2,4-Dichlorophenol	5.00	4.85	97	70-130	
Diethyl phthalate	5.00	4.66	93	70-130	
2,4-Dimethylphenol	5.00	4.56	91	70-130	
Dimethyl phthalate	5.00	4.65	93	70-130	
Di-n-butyl phthalate	5.00	4.76	95	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.00	80	70-130	
2,4-Dinitrophenol	10.0	6.45	65	70-130	^
2,4-Dinitrotoluene	5.00	4.87	97	70-130	
2,6-Dinitrotoluene	5.00	4.77	95	70-130	
Di-n-octyl phthalate	5.00	4.60	92	70-130	
Fluoranthene	5.00	4.72	94	70-130	
Fluorene	5.00	4.52	90	70-130	
Hexachlorobenzene	5.00	5.10	102	70-130	
Hexachlorobutadiene	5.00	4.91	98	70-130	
Hexachloroethane	5.00	4.71	94	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21205015.D

Lab ID: MRL 240-67368/15 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.81	96	70-130	
Isophorone	5.00	4.79	96	70-130	
2-Methylnaphthalene	5.00	4.83	97	70-130	
2-Methylphenol	5.00	5.07	101	70-130	
3 & 4 Methylphenol	5.00	4.98	100	70-130	
Naphthalene	5.00	4.76	95	70-130	
2-Nitroaniline	5.00	4.94	99	70-130	
3-Nitroaniline	5.00	4.87	97	70-130	
4-Nitroaniline	5.00	4.97	99	70-130	
Nitrobenzene	5.00	4.90	98	70-130	
2-Nitrophenol	5.00	5.09	102	70-130	
4-Nitrophenol	5.00	4.53	91	70-130	
N-Nitrosodi-n-propylamine	5.00	5.09	102	70-130	
N-Nitrosodiphenylamine	5.00	5.10	102	70-130	
Pentachlorophenol	10.0	8.22	82	70-130	
Phenanthrene	5.00	4.75	95	70-130	
Phenol	5.00	5.05	101	70-130	
Pyrene	5.00	5.00	100	70-130	
1,2,4-Trichlorobenzene	5.00	4.84	97	70-130	
2,4,5-Trichlorophenol	5.00	4.62	92	70-130	
2,4,6-Trichlorophenol	5.00	4.81	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21205003.D

Lab ID: MRL 240-67390/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.10	102	70-130	
Acenaphthylene	5.00	5.03	101	70-130	
Anthracene	5.00	5.06	101	70-130	
Benzo[a]anthracene	5.00	5.10	102	70-130	
Benzo[a]pyrene	5.00	5.12	102	70-130	
Benzo[b]fluoranthene	5.00	5.44	109	70-130	
Benzo[g,h,i]perylene	5.00	5.40	108	70-130	
Benzoic acid	10.0	9.33	93	70-130	
Benzo[k]fluoranthene	5.00	5.25	105	70-130	
Benzyl alcohol	5.00	5.16	103	70-130	
Bis(2-chloroethoxy)methane	5.00	4.94	99	70-130	
Bis(2-chloroethyl)ether	5.00	5.13	103	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.09	102	70-130	
4-Bromophenyl phenyl ether	5.00	5.11	102	70-130	
Butyl benzyl phthalate	5.00	5.17	103	70-130	
Carbazole	5.00	4.99	100	70-130	
4-Chloro-3-methylphenol	5.00	5.19	104	70-130	
2-Chloronaphthalene	5.00	5.04	101	70-130	
2-Chlorophenol	5.00	5.19	104	70-130	
4-Chlorophenyl phenyl ether	5.00	5.26	105	70-130	
Chrysene	5.00	5.10	102	70-130	
Dibenz(a,h)anthracene	5.00	4.95	99	70-130	
Dibenzofuran	5.00	4.99	100	70-130	
1,2-Dichlorobenzene	5.00	5.19	104	70-130	
1,3-Dichlorobenzene	5.00	5.24	105	70-130	
1,4-Dichlorobenzene	5.00	5.14	103	70-130	
3,3'-Dichlorobenzidine	5.00	5.25	105	70-130	
2,4-Dichlorophenol	5.00	5.21	104	70-130	
Diethyl phthalate	5.00	5.07	101	70-130	
2,4-Dimethylphenol	5.00	5.23	105	70-130	
Dimethyl phthalate	5.00	5.04	101	70-130	
Di-n-butyl phthalate	5.00	5.13	103	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.85	97	70-130	
2,4-Dinitrophenol	10.0	9.30	93	70-130	
2,4-Dinitrotoluene	5.00	5.19	104	70-130	
2,6-Dinitrotoluene	5.00	5.05	101	70-130	
Di-n-octyl phthalate	5.00	5.03	101	70-130	
Fluoranthene	5.00	5.20	104	70-130	
Fluorene	5.00	5.21	104	70-130	
Hexachlorobenzene	5.00	4.94	99	70-130	
Hexachlorobutadiene	5.00	5.20	104	70-130	
Hexachloroethane	5.00	5.05	101	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21205003.D

Lab ID: MRL 240-67390/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.96	99	70-130	
Isophorone	5.00	5.06	101	70-130	
2-Methylnaphthalene	5.00	5.02	100	70-130	
2-Methylphenol	5.00	5.08	102	70-130	
3 & 4 Methylphenol	5.00	5.12	102	70-130	
Naphthalene	5.00	5.20	104	70-130	
2-Nitroaniline	5.00	5.25	105	70-130	
3-Nitroaniline	5.00	5.23	105	70-130	
4-Nitroaniline	5.00	4.97	99	70-130	
Nitrobenzene	5.00	5.16	103	70-130	
2-Nitrophenol	5.00	5.40	108	70-130	
4-Nitrophenol	5.00	5.00	100	70-130	
N-Nitrosodi-n-propylamine	5.00	5.15	103	70-130	
N-Nitrosodiphenylamine	5.00	4.97	99	70-130	
Pentachlorophenol	10.0	9.84	98	70-130	
Phenanthrene	5.00	4.79	96	70-130	
Phenol	5.00	5.10	102	70-130	
Pyrene	5.00	5.28	106	70-130	
1,2,4-Trichlorobenzene	5.00	5.12	102	70-130	
2,4,5-Trichlorophenol	5.00	5.27	105	70-130	
2,4,6-Trichlorophenol	5.00	5.30	106	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21205026.D

Lab ID: MRL 240-67390/26 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.05	101	70-130	
Acenaphthylene	5.00	5.02	100	70-130	
Anthracene	5.00	5.00	100	70-130	
Benzo[a]anthracene	5.00	5.31	106	70-130	
Benzo[a]pyrene	5.00	5.11	102	70-130	
Benzo[b]fluoranthene	5.00	5.09	102	70-130	
Benzo[g,h,i]perylene	5.00	4.64	93	70-130	
Benzoic acid	10.0	8.19	82	70-130	
Benzo[k]fluoranthene	5.00	5.39	108	70-130	
Benzyl alcohol	5.00	5.18	104	70-130	
Bis(2-chloroethoxy)methane	5.00	5.31	106	70-130	
Bis(2-chloroethyl)ether	5.00	5.04	101	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.18	104	70-130	
4-Bromophenyl phenyl ether	5.00	5.26	105	70-130	
Butyl benzyl phthalate	5.00	5.13	103	70-130	
Carbazole	5.00	4.87	97	70-130	
4-Chloro-3-methylphenol	5.00	5.40	108	70-130	
2-Chloronaphthalene	5.00	5.15	103	70-130	
2-Chlorophenol	5.00	5.17	103	70-130	
4-Chlorophenyl phenyl ether	5.00	5.29	106	70-130	
Chrysene	5.00	5.21	104	70-130	
Dibenz(a,h)anthracene	5.00	4.57	91	70-130	
Dibenzofuran	5.00	4.89	98	70-130	
1,2-Dichlorobenzene	5.00	5.28	106	70-130	
1,3-Dichlorobenzene	5.00	5.19	104	70-130	
1,4-Dichlorobenzene	5.00	5.14	103	70-130	
3,3'-Dichlorobenzidine	5.00	5.18	104	70-130	
2,4-Dichlorophenol	5.00	5.41	108	70-130	
Diethyl phthalate	5.00	5.00	100	70-130	
2,4-Dimethylphenol	5.00	5.42	108	70-130	
Dimethyl phthalate	5.00	5.17	103	70-130	
Di-n-butyl phthalate	5.00	5.03	101	70-130	
4,6-Dinitro-2-methylphenol	5.00	3.99	80	70-130	
2,4-Dinitrophenol	10.0	7.24	72	70-130	
2,4-Dinitrotoluene	5.00	5.12	102	70-130	
2,6-Dinitrotoluene	5.00	5.31	106	70-130	
Di-n-octyl phthalate	5.00	4.94	99	70-130	
Fluoranthene	5.00	4.97	99	70-130	
Fluorene	5.00	5.02	100	70-130	
Hexachlorobenzene	5.00	5.28	106	70-130	
Hexachlorobutadiene	5.00	5.43	109	70-130	
Hexachloroethane	5.00	4.93	99	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21205026.D

Lab ID: MRL 240-67390/26 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.71	94	70-130	
Isophorone	5.00	5.32	106	70-130	
2-Methylnaphthalene	5.00	5.19	104	70-130	
2-Methylphenol	5.00	5.11	102	70-130	
3 & 4 Methylphenol	5.00	5.16	103	70-130	
Naphthalene	5.00	5.06	101	70-130	
2-Nitroaniline	5.00	5.24	105	70-130	
3-Nitroaniline	5.00	5.38	108	70-130	
4-Nitroaniline	5.00	5.29	106	70-130	
Nitrobenzene	5.00	5.53	111	70-130	
2-Nitrophenol	5.00	5.36	107	70-130	
4-Nitrophenol	5.00	5.14	103	70-130	
N-Nitrosodi-n-propylamine	5.00	5.13	103	70-130	
N-Nitrosodiphenylamine	5.00	5.09	102	70-130	
Pentachlorophenol	10.0	9.62	96	70-130	
Phenanthrene	5.00	4.77	95	70-130	
Phenol	5.00	5.09	102	70-130	
Pyrene	5.00	5.07	101	70-130	
1,2,4-Trichlorobenzene	5.00	5.52	110	70-130	
2,4,5-Trichlorophenol	5.00	5.37	107	70-130	
2,4,6-Trichlorophenol	5.00	5.26	105	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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

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 METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21207003.D

Lab ID: MRL 240-67761/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.13	103	70-130	
Acenaphthylene	5.00	5.11	102	70-130	
Anthracene	5.00	5.13	103	70-130	
Benzo[a]anthracene	5.00	5.20	104	70-130	
Benzo[a]pyrene	5.00	4.94	99	70-130	
Benzo[b]fluoranthene	5.00	5.28	106	70-130	
Benzo[g,h,i]perylene	5.00	5.51	110	70-130	
Benzoic acid	10.0	8.71	87	70-130	
Benzo[k]fluoranthene	5.00	5.02	100	70-130	
Benzyl alcohol	5.00	5.18	104	70-130	
Bis(2-chloroethoxy)methane	5.00	5.00	100	70-130	
Bis(2-chloroethyl)ether	5.00	4.96	99	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.90	98	70-130	
4-Bromophenyl phenyl ether	5.00	5.26	105	70-130	
Butyl benzyl phthalate	5.00	4.92	98	70-130	
Carbazole	5.00	5.07	101	70-130	
4-Chloro-3-methylphenol	5.00	5.43	109	70-130	
2-Chloronaphthalene	5.00	5.14	103	70-130	
2-Chlorophenol	5.00	5.12	102	70-130	
4-Chlorophenyl phenyl ether	5.00	5.33	107	70-130	
Chrysene	5.00	5.21	104	70-130	
Dibenz(a,h)anthracene	5.00	5.04	101	70-130	
Dibenzofuran	5.00	5.08	102	70-130	
1,2-Dichlorobenzene	5.00	5.09	102	70-130	
1,3-Dichlorobenzene	5.00	4.90	98	70-130	
1,4-Dichlorobenzene	5.00	5.03	101	70-130	
3,3'-Dichlorobenzidine	5.00	4.93	99	70-130	
2,4-Dichlorophenol	5.00	5.36	107	70-130	
Diethyl phthalate	5.00	5.20	104	70-130	
2,4-Dimethylphenol	5.00	5.46	109	70-130	
Dimethyl phthalate	5.00	5.25	105	70-130	
Di-n-butyl phthalate	5.00	5.08	102	70-130	
4,6-Dinitro-2-methylphenol	5.00	5.21	104	70-130	
2,4-Dinitrophenol	10.0	9.76	98	70-130	
2,4-Dinitrotoluene	5.00	5.44	109	70-130	
2,6-Dinitrotoluene	5.00	5.24	105	70-130	
Di-n-octyl phthalate	5.00	4.54	91	70-130	
Fluoranthene	5.00	5.25	105	70-130	
Fluorene	5.00	5.18	104	70-130	
Hexachlorobenzene	5.00	5.31	106	70-130	
Hexachlorobutadiene	5.00	5.49	110	70-130	
Hexachloroethane	5.00	4.84	97	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21207003.D

Lab ID: MRL 240-67761/3 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.13	103	70-130	
Isophorone	5.00	5.16	103	70-130	
2-Methylnaphthalene	5.00	5.22	104	70-130	
2-Methylphenol	5.00	5.02	100	70-130	
3 & 4 Methylphenol	5.00	5.07	101	70-130	
Naphthalene	5.00	5.20	104	70-130	
2-Nitroaniline	5.00	5.37	107	70-130	
3-Nitroaniline	5.00	5.43	109	70-130	
4-Nitroaniline	5.00	5.20	104	70-130	
Nitrobenzene	5.00	5.16	103	70-130	
2-Nitrophenol	5.00	5.30	106	70-130	
4-Nitrophenol	5.00	5.33	107	70-130	
N-Nitrosodi-n-propylamine	5.00	5.05	101	70-130	
N-Nitrosodiphenylamine	5.00	0.00080 U	0	70-130	^
Pentachlorophenol	10.0	10.2	102	70-130	
Phenanthrene	5.00	5.00	100	70-130	
Phenol	5.00	5.16	103	70-130	
Pyrene	5.00	5.06	101	70-130	
1,2,4-Trichlorobenzene	5.00	5.34	107	70-130	
2,4,5-Trichlorophenol	5.00	5.26	105	70-130	
2,4,6-Trichlorophenol	5.00	5.34	107	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21207007.D

Lab ID: MRL 240-67761/7 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	5.08	102	70-130	
Acenaphthylene	5.00	5.09	102	70-130	
Anthracene	5.00	5.15	103	70-130	
Benzo[a]anthracene	5.00	5.20	104	70-130	
Benzo[a]pyrene	5.00	5.18	104	70-130	
Benzo[b]fluoranthene	5.00	5.27	105	70-130	
Benzo[g,h,i]perylene	5.00	5.66	113	70-130	
Benzoic acid	10.0	8.36	84	70-130	
Benzo[k]fluoranthene	5.00	5.23	105	70-130	
Benzyl alcohol	5.00	5.04	101	70-130	
Bis(2-chloroethoxy)methane	5.00	4.93	99	70-130	
Bis(2-chloroethyl)ether	5.00	4.84	97	70-130	
Bis(2-ethylhexyl) phthalate	5.00	5.10	102	70-130	
4-Bromophenyl phenyl ether	5.00	5.11	102	70-130	
Butyl benzyl phthalate	5.00	5.16	103	70-130	
Carbazole	5.00	5.06	101	70-130	
4-Chloro-3-methylphenol	5.00	5.34	107	70-130	
2-Chloronaphthalene	5.00	5.13	103	70-130	
2-Chlorophenol	5.00	5.01	100	70-130	
4-Chlorophenyl phenyl ether	5.00	5.24	105	70-130	
Chrysene	5.00	5.15	103	70-130	
Dibenz(a,h)anthracene	5.00	5.09	102	70-130	
Dibenzofuran	5.00	4.95	99	70-130	
1,2-Dichlorobenzene	5.00	5.02	100	70-130	
1,3-Dichlorobenzene	5.00	4.91	98	70-130	
1,4-Dichlorobenzene	5.00	4.98	100	70-130	
3,3'-Dichlorobenzidine	5.00	5.18	104	70-130	
2,4-Dichlorophenol	5.00	5.32	106	70-130	
Diethyl phthalate	5.00	5.14	103	70-130	
2,4-Dimethylphenol	5.00	5.33	107	70-130	
Dimethyl phthalate	5.00	5.19	104	70-130	
Di-n-butyl phthalate	5.00	5.25	105	70-130	
4,6-Dinitro-2-methylphenol	5.00	5.17	103	70-130	
2,4-Dinitrophenol	10.0	9.72	97	70-130	
2,4-Dinitrotoluene	5.00	5.35	107	70-130	
2,6-Dinitrotoluene	5.00	5.16	103	70-130	
Di-n-octyl phthalate	5.00	4.96	99	70-130	
Fluoranthene	5.00	5.14	103	70-130	
Fluorene	5.00	5.12	102	70-130	
Hexachlorobenzene	5.00	5.27	105	70-130	
Hexachlorobutadiene	5.00	5.41	108	70-130	
Hexachloroethane	5.00	4.86	97	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21207007.D

Lab ID: MRL 240-67761/7 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	5.22	104	70-130	
Isophorone	5.00	5.25	105	70-130	
2-Methylnaphthalene	5.00	5.14	103	70-130	
2-Methylphenol	5.00	4.85	97	70-130	
3 & 4 Methylphenol	5.00	4.87	97	70-130	
Naphthalene	5.00	5.17	103	70-130	
2-Nitroaniline	5.00	5.37	107	70-130	
3-Nitroaniline	5.00	5.27	105	70-130	
4-Nitroaniline	5.00	5.30	106	70-130	
Nitrobenzene	5.00	5.28	106	70-130	
2-Nitrophenol	5.00	5.27	105	70-130	
4-Nitrophenol	5.00	5.25	105	70-130	
N-Nitrosodi-n-propylamine	5.00	4.98	100	70-130	
N-Nitrosodiphenylamine	5.00	4.92	98	70-130	
Pentachlorophenol	10.0	10.3	103	70-130	
Phenanthrene	5.00	4.89	98	70-130	
Phenol	5.00	5.12	102	70-130	
Pyrene	5.00	5.10	102	70-130	
1,2,4-Trichlorobenzene	5.00	5.34	107	70-130	
2,4,5-Trichlorophenol	5.00	5.55	111	70-130	
2,4,6-Trichlorophenol	5.00	5.27	105	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21211004.D

Lab ID: MRL 240-68148/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.57	91	70-130	
Acenaphthylene	5.00	4.67	93	70-130	
Anthracene	5.00	4.57	91	70-130	
Benzo[a]anthracene	5.00	4.49	90	70-130	
Benzo[a]pyrene	5.00	4.42	88	70-130	
Benzo[b]fluoranthene	5.00	4.59	92	70-130	
Benzo[g,h,i]perylene	5.00	4.78	96	70-130	
Benzoic acid	10.0	9.04	90	70-130	
Benzo[k]fluoranthene	5.00	4.65	93	70-130	
Benzyl alcohol	5.00	4.29	86	70-130	
Bis(2-chloroethoxy)methane	5.00	5.26	105	70-130	
Bis(2-chloroethyl)ether	5.00	5.31	106	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.31	86	70-130	
4-Bromophenyl phenyl ether	5.00	5.76	115	70-130	
Butyl benzyl phthalate	5.00	4.28	86	70-130	
Carbazole	5.00	4.53	91	70-130	
4-Chloro-3-methylphenol	5.00	4.94	99	70-130	
2-Chloronaphthalene	5.00	5.38	108	70-130	
2-Chlorophenol	5.00	4.48	90	70-130	
4-Chlorophenyl phenyl ether	5.00	5.57	111	70-130	
Chrysene	5.00	4.43	89	70-130	
Dibenz(a,h)anthracene	5.00	4.27	85	70-130	
Dibenzofuran	5.00	4.50	90	70-130	
1,2-Dichlorobenzene	5.00	5.55	111	70-130	
1,3-Dichlorobenzene	5.00	5.41	108	70-130	
1,4-Dichlorobenzene	5.00	4.57	91	70-130	
3,3'-Dichlorobenzidine	5.00	4.38	88	70-130	
2,4-Dichlorophenol	5.00	5.07	101	70-130	
Diethyl phthalate	5.00	4.67	93	70-130	
2,4-Dimethylphenol	5.00	4.59	92	70-130	
Dimethyl phthalate	5.00	4.63	93	70-130	
Di-n-butyl phthalate	5.00	4.56	91	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.32	86	70-130	
2,4-Dinitrophenol	10.0	9.25	93	70-130	
2,4-Dinitrotoluene	5.00	5.64	113	70-130	
2,6-Dinitrotoluene	5.00	5.49	110	70-130	
Di-n-octyl phthalate	5.00	4.42	88	70-130	
Fluoranthene	5.00	4.65	93	70-130	
Fluorene	5.00	4.51	90	70-130	
Hexachlorobenzene	5.00	5.46	109	70-130	
Hexachlorobutadiene	5.00	6.26	125	70-130	
Hexachloroethane	5.00	5.30	106	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21211004.D

Lab ID: MRL 240-68148/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.46	89	70-130	
Isophorone	5.00	4.73	95	70-130	
2-Methylnaphthalene	5.00	4.83	97	70-130	
2-Methylphenol	5.00	4.37	87	70-130	
3 & 4 Methylphenol	5.00	4.54	91	70-130	
Naphthalene	5.00	4.71	94	70-130	
2-Nitroaniline	5.00	4.64	93	70-130	
3-Nitroaniline	5.00	4.55	91	70-130	
4-Nitroaniline	5.00	4.66	93	70-130	
Nitrobenzene	5.00	5.68	114	70-130	
2-Nitrophenol	5.00	5.06	101	70-130	
4-Nitrophenol	5.00	4.87	97	70-130	
N-Nitrosodi-n-propylamine	5.00	4.45	89	70-130	
N-Nitrosodiphenylamine	5.00	4.50	90	70-130	
Pentachlorophenol	10.0	9.56	96	70-130	
Phenanthrene	5.00	4.39	88	70-130	
Phenol	5.00	4.49	90	70-130	
Pyrene	5.00	4.37	87	70-130	
1,2,4-Trichlorobenzene	5.00	5.85	117	70-130	
2,4,5-Trichlorophenol	5.00	4.72	94	70-130	
2,4,6-Trichlorophenol	5.00	4.74	95	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21211015.D

Lab ID: MRL 240-68148/15 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Acenaphthene	5.00	4.62	92	70-130	
Acenaphthylene	5.00	4.70	94	70-130	
Anthracene	5.00	4.66	93	70-130	
Benzo[a]anthracene	5.00	4.48	90	70-130	
Benzo[a]pyrene	5.00	4.38	88	70-130	
Benzo[b]fluoranthene	5.00	4.48	90	70-130	
Benzo[g,h,i]perylene	5.00	4.81	96	70-130	
Benzoic acid	10.0	8.65	86	70-130	
Benzo[k]fluoranthene	5.00	4.74	95	70-130	
Benzyl alcohol	5.00	4.68	94	70-130	
Bis(2-chloroethoxy)methane	5.00	5.37	107	70-130	
Bis(2-chloroethyl)ether	5.00	5.35	107	70-130	
Bis(2-ethylhexyl) phthalate	5.00	4.42	88	70-130	
4-Bromophenyl phenyl ether	5.00	5.81	116	70-130	
Butyl benzyl phthalate	5.00	4.31	86	70-130	
Carbazole	5.00	4.48	90	70-130	
4-Chloro-3-methylphenol	5.00	4.96	99	70-130	
2-Chloronaphthalene	5.00	5.55	111	70-130	
2-Chlorophenol	5.00	4.67	93	70-130	
4-Chlorophenyl phenyl ether	5.00	5.66	113	70-130	
Chrysene	5.00	4.52	90	70-130	
Dibenz(a,h)anthracene	5.00	4.29	86	70-130	
Dibenzofuran	5.00	4.58	92	70-130	
1,2-Dichlorobenzene	5.00	5.58	112	70-130	
1,3-Dichlorobenzene	5.00	5.57	111	70-130	
1,4-Dichlorobenzene	5.00	4.55	91	70-130	
3,3'-Dichlorobenzidine	5.00	4.52	90	70-130	
2,4-Dichlorophenol	5.00	4.93	99	70-130	
Diethyl phthalate	5.00	4.70	94	70-130	
2,4-Dimethylphenol	5.00	4.76	95	70-130	
Dimethyl phthalate	5.00	4.83	97	70-130	
Di-n-butyl phthalate	5.00	4.65	93	70-130	
4,6-Dinitro-2-methylphenol	5.00	4.27	85	70-130	
2,4-Dinitrophenol	10.0	8.29	83	70-130	
2,4-Dinitrotoluene	5.00	5.63	113	70-130	
2,6-Dinitrotoluene	5.00	5.60	112	70-130	
Di-n-octyl phthalate	5.00	4.30	86	70-130	
Fluoranthene	5.00	4.64	93	70-130	
Fluorene	5.00	4.67	93	70-130	
Hexachlorobenzene	5.00	5.83	117	70-130	
Hexachlorobutadiene	5.00	6.13	123	70-130	
Hexachloroethane	5.00	5.15	103	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.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 21211015.D

Lab ID: MRL 240-68148/15 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Indeno[1,2,3-cd]pyrene	5.00	4.44	89	70-130	
Isophorone	5.00	4.79	96	70-130	
2-Methylnaphthalene	5.00	4.93	99	70-130	
2-Methylphenol	5.00	4.56	91	70-130	
3 & 4 Methylphenol	5.00	4.52	90	70-130	
Naphthalene	5.00	4.78	96	70-130	
2-Nitroaniline	5.00	4.86	97	70-130	
3-Nitroaniline	5.00	4.96	99	70-130	
4-Nitroaniline	5.00	4.75	95	70-130	
Nitrobenzene	5.00	5.62	112	70-130	
2-Nitrophenol	5.00	4.89	98	70-130	
4-Nitrophenol	5.00	4.91	98	70-130	
N-Nitrosodi-n-propylamine	5.00	4.68	94	70-130	
N-Nitrosodiphenylamine	5.00	4.51	90	70-130	
Pentachlorophenol	10.0	9.41	94	70-130	
Phenanthrene	5.00	4.43	89	70-130	
Phenol	5.00	4.60	92	70-130	
Pyrene	5.00	4.34	87	70-130	
1,2,4-Trichlorobenzene	5.00	5.79	116	70-130	
2,4,5-Trichlorophenol	5.00	4.93	99	70-130	
2,4,6-Trichlorophenol	5.00	4.78	96	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21204009.D

Lab ID: 240-17796-25 MS Client ID: 076SB-0063M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	675	3.3 U	479	71	45-110	
Acenaphthylene	675	3.3 U	487	72	45-105	
Anthracene	675	3.3 U	498	74	55-105	
Benzo[a]anthracene	675	3.3 U	500	74	50-110	
Benzo[a]pyrene	675	3.3 U	428	63	50-110	
Benzo[b]fluoranthene	675	5.7 J	484	71	45-115	
Benzo[g,h,i]perylene	675	3.3 U	520	77	40-125	
Benzoic acid	675	330 U	340 U	0	0-110	
Benzo[k]fluoranthene	675	3.3 U	480	71	45-125	
Benzyl alcohol	675	27 U	496	73	20-125	
Bis(2-chloroethoxy)methane	675	27 U	491	73	45-110	
Bis(2-chloroethyl)ether	675	3.3 U	497	74	40-105	
bis (2-chloroisopropyl) ether	675	27 U	497	74	20-115	
Bis(2-ethylhexyl) phthalate	675	25 J	528	75	45-125	
4-Bromophenyl phenyl ether	675	27 U	517	77	45-115	
Butyl benzyl phthalate	675	27 U	502	74	50-125	
Carbazole	675	27 U	470	70	45-115	
4-Chloroaniline	675	27 U	150	22	10-95	
4-Chloro-3-methylphenol	675	27 U	528	78	45-115	
2-Chloronaphthalene	675	3.3 U	478	71	45-105	
2-Chlorophenol	675	27 U	515	76	45-105	
4-Chlorophenyl phenyl ether	675	27 U	495	73	45-110	
Chrysene	675	3.3 U	514	76	55-110	
Dibenz(a,h)anthracene	675	3.3 U	473	70	40-125	
Dibenzofuran	675	3.3 U	475	70	50-105	
1,2-Dichlorobenzene	675	27 U	451	67	45-95	
1,3-Dichlorobenzene	675	27 U	429	64	40-100	
1,4-Dichlorobenzene	675	27 U	457	68	35-105	
3,3'-Dichlorobenzidine	675	79 U	178	26	10-130	
2,4-Dichlorophenol	675	27 U	520	77	45-110	
Diethyl phthalate	675	27 U	501	74	50-115	
2,4-Dimethylphenol	675	79 U	483	72	30-105	
Dimethyl phthalate	675	27 U	503	75	50-110	
Di-n-butyl phthalate	675	27 U	530	78	55-110	
4,6-Dinitro-2-methylphenol	675	79 U	236	35	30-135	
2,4-Dinitrophenol	675	79 U	193 J	29	15-130	
2,4-Dinitrotoluene	675	27 U	492	73	50-115	
2,6-Dinitrotoluene	675	27 U	513	76	50-110	
Di-n-octyl phthalate	675	27 U	496	73	40-130	
Fluoranthene	675	7.6	513	75	55-115	
Fluorene	675	3.3 U	493	73	50-110	
Hexachlorobenzene	675	3.3 U	512	76	45-120	

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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21204009.D

Lab ID: 240-17796-25 MS Client ID: 076SB-0063M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Hexachlorobutadiene	675	27 U	482	71	40-115	
Hexachloroethane	675	27 U	436	65	35-110	
Indeno[1,2,3-cd]pyrene	675	3.3 U	481	71	40-120	
Isophorone	675	27 U	538	80	45-110	
2-Methylnaphthalene	675	25	526	74	45-105	
2-Methylphenol	675	79 U	508	75	40-105	
3 & 4 Methylphenol	1350	79 U	1070	79	40-105	
Naphthalene	675	16	511	73	40-105	
2-Nitroaniline	675	27 U	521	77	45-120	
3-Nitroaniline	675	79 U	301	45	25-110	
4-Nitroaniline	675	27 U	324	48	35-115	
Nitrobenzene	675	3.3 U	516	76	40-115	
2-Nitrophenol	675	27 U	514	76	40-110	
4-Nitrophenol	675	79 U	485	72	15-140	
N-Nitrosodi-n-propylamine	675	27 U	543	80	40-115	
N-Nitrosodiphenylamine	675	27 U	501	74	50-115	
Pentachlorophenol	675	79 U	360	53	25-120	
Phenanthrene	675	7.4	483	70	50-110	
Phenol	675	27 U	525	78	40-100	
Pyrene	675	5.8 J	480	70	45-125	
1,2,4-Trichlorobenzene	675	27 U	453	67	45-110	
2,4,5-Trichlorophenol	675	27 U	519	77	50-110	
2,4,6-Trichlorophenol	675	79 U	517	77	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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21204010.D

Lab ID: 240-17796-25 MSD Client ID: 076SB-0063M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	665	469	70	2	30	45-110	
Acenaphthylene	665	479	72	2	30	45-105	
Anthracene	665	472	71	5	30	55-105	
Benzo[a]anthracene	665	497	75	1	30	50-110	
Benzo[a]pyrene	665	411	62	4	30	50-110	
Benzo[b]fluoranthene	665	468	69	4	30	45-115	
Benzo[g,h,i]perylene	665	490	74	6	30	40-125	
Benzoic acid	665	330 U	0	NC	30	0-110	
Benzo[k]fluoranthene	665	445	67	8	30	45-125	
Benzyl alcohol	665	474	71	5	30	20-125	
Bis(2-chloroethoxy)methane	665	486	73	1	30	45-110	
Bis(2-chloroethyl)ether	665	460	69	8	30	40-105	
bis (2-chloroisopropyl) ether	665	463	70	7	30	20-115	
Bis(2-ethylhexyl) phthalate	665	500	72	5	30	45-125	
4-Bromophenyl phenyl ether	665	493	74	5	30	45-115	
Butyl benzyl phthalate	665	499	75	1	30	50-125	
Carbazole	665	455	68	3	30	45-115	
4-Chloroaniline	665	142 J	21	5	30	10-95	
4-Chloro-3-methylphenol	665	519	78	2	30	45-115	
2-Chloronaphthalene	665	472	71	1	30	45-105	
2-Chlorophenol	665	478	72	7	30	45-105	
4-Chlorophenyl phenyl ether	665	499	75	1	30	45-110	
Chrysene	665	505	76	2	30	55-110	
Dibenz(a,h)anthracene	665	445	67	6	30	40-125	
Dibenzofuran	665	479	72	1	30	50-105	
1,2-Dichlorobenzene	665	421	63	7	30	45-95	
1,3-Dichlorobenzene	665	390	59	10	30	40-100	
1,4-Dichlorobenzene	665	416	62	10	30	35-105	
3,3'-Dichlorobenzidine	665	195	29	9	30	10-130	
2,4-Dichlorophenol	665	511	77	2	30	45-110	
Diethyl phthalate	665	491	74	2	30	50-115	
2,4-Dimethylphenol	665	470	71	3	30	30-105	
Dimethyl phthalate	665	492	74	2	30	50-110	
Di-n-butyl phthalate	665	507	76	4	30	55-110	
4,6-Dinitro-2-methylphenol	665	160	24	39	30	30-135	J
2,4-Dinitrophenol	665	174 J	26	11	30	15-130	
2,4-Dinitrotoluene	665	480	72	3	30	50-115	
2,6-Dinitrotoluene	665	508	76	1	30	50-110	
Di-n-octyl phthalate	665	470	71	5	30	40-130	
Fluoranthene	665	506	75	1	30	55-115	
Fluorene	665	480	72	3	30	50-110	
Hexachlorobenzene	665	490	74	4	30	45-120	

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.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 21204010.D

Lab ID: 240-17796-25 MSD Client ID: 076SB-0063M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Hexachlorobutadiene	665	447	67	8	30	40-115	
Hexachloroethane	665	402	60	8	30	35-110	
Indeno[1,2,3-cd]pyrene	665	454	68	6	30	40-120	
Isophorone	665	520	78	3	30	45-110	
2-Methylnaphthalene	665	515	74	2	30	45-105	
2-Methylphenol	665	493	74	3	30	40-105	
3 & 4 Methylphenol	1330	1010	76	6	30	40-105	
Naphthalene	665	490	71	4	30	40-105	
2-Nitroaniline	665	519	78	0	30	45-120	
3-Nitroaniline	665	301	45	0	30	25-110	
4-Nitroaniline	665	356	54	9	30	35-115	
Nitrobenzene	665	483	73	6	30	40-115	
2-Nitrophenol	665	486	73	6	30	40-110	
4-Nitrophenol	665	445	67	9	30	15-140	
N-Nitrosodi-n-propylamine	665	502	75	8	30	40-115	
N-Nitrosodiphenylamine	665	483	73	4	30	50-115	
Pentachlorophenol	665	307	46	16	30	25-120	
Phenanthrene	665	471	70	2	30	50-110	
Phenol	665	515	77	2	30	40-100	
Pyrene	665	473	70	1	30	45-125	
1,2,4-Trichlorobenzene	665	434	65	4	30	45-110	
2,4,5-Trichlorophenol	665	519	78	0	30	50-110	
2,4,6-Trichlorophenol	665	516	78	0	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.: 240-17796-1

SDG No.:

Lab File ID: 21129004.D Lab Sample ID: MB 240-65893/5-A

Matrix: Water Date Extracted: 11/21/2012 09:42

Instrument ID: A4HP7 Date Analyzed: 11/29/2012 10:13

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-65893/6-A	21129005.D	11/29/2012 10:37
076-0067-0001-ER	240-17796-20	21129008.D	11/29/2012 11:46

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21204004.D Lab Sample ID: MB 240-66393/23-A

Matrix: Solid Date Extracted: 11/27/2012 09:03

Instrument ID: A4HP7 Date Analyzed: 12/04/2012 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 240-66393/24-A	21204005.D	12/04/2012 10:32
076SB-0063M-0001-SO	240-17796-25	21204008.D	12/04/2012 11:43
076SB-0063M-0001-SO MS	240-17796-25 MS	21204009.D	12/04/2012 12:07
076SB-0063M-0001-SO MSD	240-17796-25 MSD	21204010.D	12/04/2012 12:30
076SS-0007M-0001-SO	240-17796-10	21204011.D	12/04/2012 12:54
076SB-0054M-0001-SO	240-17796-11	21204012.D	12/04/2012 13:18
076SB-0055M-0001-SO	240-17796-12	21204013.D	12/04/2012 13:42
076SB-0060M-0001-SO	240-17796-22	21204014.D	12/04/2012 14:05
076SS-0022M-0001-SO	240-17796-2	21204015.D	12/04/2012 14:29
076SB-0029M-0001-SO	240-17796-8	21204016.D	12/04/2012 14:53
076SB-0056M-0001-SO	240-17796-13	21204017.D	12/04/2012 15:16
076SB-0059M-0001-SO	240-17796-16	21204018.D	12/04/2012 15:40
076SB-0057M-0001-SO	240-17796-14	21204019.D	12/04/2012 16:04
076SB-0058M-0001-SO	240-17796-15	21204020.D	12/04/2012 16:28
076SB-0023M-0001-SO	240-17796-1	21204021.D	12/04/2012 16:51
076SB-0062M-0001-SO	240-17796-24	21204022.D	12/04/2012 17:15
076SB-0026M-0001-SO	240-17796-5	21204023.D	12/04/2012 17:39
076SB-0027M-0001-SO	240-17796-6	21204024.D	12/04/2012 18:02
076SB-0053M-0001-SO	240-17796-9	21205021.D	12/05/2012 16:54
076SB-0028M-0001-SO	240-17796-7	21205022.D	12/05/2012 17:17
076SB-0061M-0001-SO	240-17796-23	21205023.D	12/05/2012 17:41
076SB-0024M-0001-SO	240-17796-3	21205024.D	12/05/2012 18:04
076SB-0025M-0001-SO	240-17796-4	21205025.D	12/05/2012 18:27

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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-0064M-0001-SO	240-17796-26	21206009.D	12/06/2012 12:04
076SB-0066M-0001-SO	240-17796-28	21206010.D	12/06/2012 12:27
076SB-0047M-0001-SO	240-17796-32	21206011.D	12/06/2012 12:51
076SB-0049M-0001-SO	240-17796-34	21206012.D	12/06/2012 13:14
076SB-0045M-0001-SO	240-17796-30	21206013.D	12/06/2012 13:37
076SB-0065M-0001-SO	240-17796-27	21206016.D	12/06/2012 14:47
076SB-0044M-0001-SO	240-17796-29	21206017.D	12/06/2012 15:10
076SB-0046M-0001-SO	240-17796-31	21206018.D	12/06/2012 15:33
076SB-0050M-0001-SO	240-17796-35	21206019.D	12/06/2012 15:56
076SB-0051M-0001-SO	240-17796-36	21207006.D	12/07/2012 12:51

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21205006.D Lab Sample ID: MB 240-66734/4-A

Matrix: Solid Date Extracted: 11/29/2012 09:51

Instrument ID: A4HP9 Date Analyzed: 12/05/2012 10:12

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-66734/5-A	21205007.D	12/05/2012 10:37
076SB-0048M-0001-SO	240-17796-33	21205013.D	12/05/2012 13:05

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21211007.D Lab Sample ID: MB 240-67600/22-A

Matrix: Solid Date Extracted: 12/06/2012 10:45

Instrument ID: A4HP7 Date Analyzed: 12/11/2012 12:44

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-67600/23-A	21211008.D	12/11/2012 13:07
076SB-0048M-0001-SO RE	240-17796-33 RE	21211014.D	12/11/2012 15:27

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

SDG No.:

Lab File ID: 21129001.D DFTPP Injection Date: 11/29/2012

Instrument ID: A4HP7 DFTPP Injection Time: 09:04

Analysis Batch No.: 66717

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	40.1	
68	Less than 2.0% of mass 69	0.3	(0.7)1
69	Mass 69 relative abundance	41.9	
70	Less than 2.0% of mass 69	0.2	(0.4)1
127	25.0 - 75.0% of mass 198	50.5	
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	6.8	
275	10.0- 30.0% of mass 198	23.9	
365	Greater than 0.75% of mass 198	2.9	
441	Present, but less than mass 443	14.2	
442	40.0 - 110.0% of mass 198	96.7	
443	15.0 - 24.0% of mass 442	18.2	(18.9)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 240-66717/2	21129002.D	11/29/2012	09:27
	MRL 240-66717/3	21129003.D	11/29/2012	09:50
	MB 240-65893/5-A	21129004.D	11/29/2012	10:13
	LCS 240-65893/6-A	21129005.D	11/29/2012	10:37
076-0067-0001-ER	240-17796-20	21129008.D	11/29/2012	11:46
	MRL 240-66717/26	21129026.D	11/29/2012	18:46

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21204001.D DFTPP Injection Date: 12/04/2012

Instrument ID: A4HP7 DFTPP Injection Time: 08:58

Analysis Batch No.: 67225

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	47.6	
68	Less than 2.0% of mass 69	0.7	(1.6)1
69	Mass 69 relative abundance	46.7	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	53.4	
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	24.4	
365	Greater than 0.75% of mass 198	2.8	
441	Present, but less than mass 443	12.3	
442	40.0 - 110.0% of mass 198	80.3	
443	15.0 - 24.0% of mass 442	15.4	(19.2)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
	CCV 240-67225/2	21204002.D	12/04/2012	09:21
	MRL 240-67225/3	21204003.D	12/04/2012	09:45
	MB 240-66393/23-A	21204004.D	12/04/2012	10:08
	LCS 240-66393/24-A	21204005.D	12/04/2012	10:32
076SB-0063M-0001-SO	240-17796-25	21204008.D	12/04/2012	11:43
076SB-0063M-0001-SO MS	240-17796-25 MS	21204009.D	12/04/2012	12:07
076SB-0063M-0001-SO MSD	240-17796-25 MSD	21204010.D	12/04/2012	12:30
076SS-0007M-0001-SO	240-17796-10	21204011.D	12/04/2012	12:54
076SB-0054M-0001-SO	240-17796-11	21204012.D	12/04/2012	13:18
076SB-0055M-0001-SO	240-17796-12	21204013.D	12/04/2012	13:42
076SB-0060M-0001-SO	240-17796-22	21204014.D	12/04/2012	14:05
076SS-0022M-0001-SO	240-17796-2	21204015.D	12/04/2012	14:29
076SB-0029M-0001-SO	240-17796-8	21204016.D	12/04/2012	14:53
076SB-0056M-0001-SO	240-17796-13	21204017.D	12/04/2012	15:16
076SB-0059M-0001-SO	240-17796-16	21204018.D	12/04/2012	15:40
076SB-0057M-0001-SO	240-17796-14	21204019.D	12/04/2012	16:04
076SB-0058M-0001-SO	240-17796-15	21204020.D	12/04/2012	16:28
076SB-0023M-0001-SO	240-17796-1	21204021.D	12/04/2012	16:51
076SB-0062M-0001-SO	240-17796-24	21204022.D	12/04/2012	17:15
076SB-0026M-0001-SO	240-17796-5	21204023.D	12/04/2012	17:39
076SB-0027M-0001-SO	240-17796-6	21204024.D	12/04/2012	18:02
	MRL 240-67225/25	21204025.D	12/04/2012	18:26
	mdll1	21204026.D	12/04/2012	18:49
	mdll2	21204027.D	12/04/2012	19:13

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21204001.D DFTPP Injection Date: 12/04/2012

Instrument ID: A4HP7 DFTPP Injection Time: 08:58

Analysis Batch No.: 67225

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	47.6	
68	Less than 2.0% of mass 69	0.7	(1.6)1
69	Mass 69 relative abundance	46.7	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	53.4	
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	24.4	
365	Greater than 0.75% of mass 198	2.8	
441	Present, but less than mass 443	12.3	
442	40.0 - 110.0% of mass 198	80.3	
443	15.0 - 24.0% of mass 442	15.4	(19.2)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
	mdll3	21204028.D	12/04/2012	19:36
	mdll4	21204029.D	12/04/2012	20:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21205001.D DFTPP Injection Date: 12/05/2012

Instrument ID: A4HP7 DFTPP Injection Time: 09:10

Analysis Batch No.: 67390

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	43.7	
68	Less than 2.0% of mass 69	0.4	(0.8)1
69	Mass 69 relative abundance	44.5	
70	Less than 2.0% of mass 69	0.1	(0.2)1
127	25.0 - 75.0% of mass 198	51.7	
197	Less than 1.0% of mass 198	0.6	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	7.0	
275	10.0- 30.0% of mass 198	24.4	
365	Greater than 0.75% of mass 198	2.9	
441	Present, but less than mass 443	12.5	
442	40.0 - 110.0% of mass 198	88.8	
443	15.0 - 24.0% of mass 442	16.8	(19.0)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 240-67390/2	21205002.D	12/05/2012	09:33
	MRL 240-67390/3	21205003.D	12/05/2012	09:56
076SB-0053M-0001-SO	240-17796-9	21205021.D	12/05/2012	16:54
076SB-0028M-0001-SO	240-17796-7	21205022.D	12/05/2012	17:17
076SB-0061M-0001-SO	240-17796-23	21205023.D	12/05/2012	17:41
076SB-0024M-0001-SO	240-17796-3	21205024.D	12/05/2012	18:04
076SB-0025M-0001-SO	240-17796-4	21205025.D	12/05/2012	18:27
	MRL 240-67390/26	21205026.D	12/05/2012	18:50
	mdll1	21205027.D	12/05/2012	19:14
	mdll2	21205028.D	12/05/2012	19:37
	mdll3	21205029.D	12/05/2012	20:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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-0064M-0001-SO	240-17796-26	21206009.D	12/06/2012	12:04
076SB-0066M-0001-SO	240-17796-28	21206010.D	12/06/2012	12:27
076SB-0047M-0001-SO	240-17796-32	21206011.D	12/06/2012	12:51
076SB-0049M-0001-SO	240-17796-34	21206012.D	12/06/2012	13:14
076SB-0045M-0001-SO	240-17796-30	21206013.D	12/06/2012	13:37
076SB-0065M-0001-SO	240-17796-27	21206016.D	12/06/2012	14:47
076SB-0044M-0001-SO	240-17796-29	21206017.D	12/06/2012	15:10
076SB-0046M-0001-SO	240-17796-31	21206018.D	12/06/2012	15:33
076SB-0050M-0001-SO	240-17796-35	21206019.D	12/06/2012	15:56
	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 V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21207001.D DFTPP Injection Date: 12/07/2012

Instrument ID: A4HP7 DFTPP Injection Time: 10:55

Analysis Batch No.: 67761

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	41.4	
68	Less than 2.0% of mass 69	0.8	(1.8)1
69	Mass 69 relative abundance	42.3	
70	Less than 2.0% of mass 69	0.1	(0.2)1
127	25.0 - 75.0% of mass 198	50.6	
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	26.8	
365	Greater than 0.75% of mass 198	3.0	
441	Present, but less than mass 443	14.4	
442	40.0 - 110.0% of mass 198	92.8	
443	15.0 - 24.0% of mass 442	17.0	(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 240-67761/2	21207002.D	12/07/2012	11:18
	MRL 240-67761/3	21207003.D	12/07/2012	11:42
076SB-0051M-0001-SO	240-17796-36	21207006.D	12/07/2012	12:51
	MRL 240-67761/7	21207007.D	12/07/2012	13:15

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21211001.D DFTPP Injection Date: 12/11/2012

Instrument ID: A4HP7 DFTPP Injection Time: 10:24

Analysis Batch No.: 68148

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	37.6	
68	Less than 2.0% of mass 69	0.6	(1.5)1
69	Mass 69 relative abundance	38.1	
70	Less than 2.0% of mass 69	0.2	(0.5)1
127	25.0 - 75.0% of mass 198	48.1	
197	Less than 1.0% of mass 198	0.5	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.4	
275	10.0- 30.0% of mass 198	25.1	
365	Greater than 0.75% of mass 198	3.1	
441	Present, but less than mass 443	13.8	
442	40.0 - 110.0% of mass 198	94.6	
443	15.0 - 24.0% of mass 442	18.5	(19.6)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 240-68148/2	21211002.D	12/11/2012	10:48
	MRL 240-68148/4	21211004.D	12/11/2012	11:34
	MB 240-67600/22-A	21211007.D	12/11/2012	12:44
	LCS 240-67600/23-A	21211008.D	12/11/2012	13:07
076SB-0048M-0001-SO RE	240-17796-33 RE	21211014.D	12/11/2012	15:27
	MRL 240-68148/15	21211015.D	12/11/2012	15:50

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21203001.D DFTPP Injection Date: 12/03/2012

Instrument ID: A4HP9 DFTPP Injection Time: 11:11

Analysis Batch No.: 67070

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	39.5	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	72.2	
70	Less than 2.0% of mass 69	0.2	(0.3)1
127	25.0 - 75.0% of mass 198	47.2	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.8	
275	10.0- 30.0% of mass 198	22.9	
365	Greater than 0.75% of mass 198	2.9	
441	Present, but less than mass 443	12.0	
442	40.0 - 110.0% of mass 198	68.0	
443	15.0 - 24.0% of mass 442	12.4	(18.2)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
	STD5 240-67070/2	21203002.D	12/03/2012	11:32
	STD4 240-67070/3	21203003.D	12/03/2012	11:57
	STD3 240-67070/4	21203004.D	12/03/2012	12:23
	STD2 240-67070/5	21203005.D	12/03/2012	12:48
	STD1 240-67070/6	21203006.D	12/03/2012	13:13
	STD9 240-67070/7	21203007.D	12/03/2012	13:39
	STD8 240-67070/8	21203008.D	12/03/2012	14:04
	STD7 240-67070/9	21203009.D	12/03/2012	14:36
	STD6 240-67070/10	21203010.D	12/03/2012	15:01
	ICV 240-67070/12	21203012.D	12/03/2012	15:52

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab File ID: 21205001.D DFTPP Injection Date: 12/05/2012

Instrument ID: A4HP9 DFTPP Injection Time: 07:56

Analysis Batch No.: 67368

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	44.8	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	77.2	
70	Less than 2.0% of mass 69	0.0	(0.0)1
127	25.0 - 75.0% of mass 198	48.8	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.4	
275	10.0- 30.0% of mass 198	21.6	
365	Greater than 0.75% of mass 198	2.7	
441	Present, but less than mass 443	2.0	
442	40.0 - 110.0% of mass 198	70.2	
443	15.0 - 24.0% of mass 442	14.9	(21.2)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
	CCV 240-67368/2	21205002.D	12/05/2012	08:24
	MRL 240-67368/3	21205003.D	12/05/2012	08:51
	MB 240-66734/4-A	21205006.D	12/05/2012	10:12
	LCS 240-66734/5-A	21205007.D	12/05/2012	10:37
076SB-0048M-0001-SO	240-17796-33	21205013.D	12/05/2012	13:05
	MRL 240-67368/15	21205015.D	12/05/2012	13:34
	mdll1	21205016.D	12/05/2012	14:07
	mdll2	21205017.D	12/05/2012	14:31
	mdll3	21205018.D	12/05/2012	14:56

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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		453748	6.40	1758954	7.52	984836	9.01
LOWER LIMIT		113437	5.40	439739	6.52	246209	8.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-65876/3		177147	5.86	653446	6.99	382015	8.48
CCV 240-66717/2		155413	5.81	582750	6.93	332505	8.43
MRL 240-66717/3		155677	5.81	588833	6.94	334629	8.43
MB 240-65893/5-A		142632	5.81	548774	6.93	317821	8.43
LCS 240-65893/6-A		148615	5.81	556952	6.94	329665	8.43
240-17796-20	076-0067-0001-ER	144490	5.81	556252	6.93	314416	8.43
MRL 240-66717/26		194070	5.81	710135	6.93	416747	8.43
CCV 240-67225/2		182784	5.77	687548	6.89	401283	8.39
MRL 240-67225/3		176064	5.77	684300	6.90	392860	8.39
MB 240-66393/23-A		152662	5.77	569958	6.89	328998	8.39
LCS 240-66393/24-A		148906	5.77	580962	6.89	331777	8.39
240-17796-25	076SB-0063M-0001-SO	164414	5.79	634604	6.90	370264	8.39
240-17796-25 MS	076SB-0063M-0001-SO MS	168867	5.80	662030	6.90	400788	8.39
240-17796-25 MSD	076SB-0063M-0001-SO MSD	172566	5.80	667308	6.90	399117	8.39
240-17796-10	076SS-0007M-0001-SO	184006	5.78	719858	6.89	428289	8.39
240-17796-11	076SB-0054M-0001-SO	196026	5.78	759874	6.89	454124	8.39
240-17796-12	076SB-0055M-0001-SO	189924	5.78	729631	6.90	424386	8.39
240-17796-22	076SB-0060M-0001-SO	191977	5.78	700961	6.90	414012	8.39
240-17796-2	076SS-0022M-0001-SO	174931	5.79	661462	6.90	392044	8.39
240-17796-8	076SB-0029M-0001-SO	171545	5.79	650809	6.90	393396	8.39
240-17796-13	076SB-0056M-0001-SO	175419	5.79	665094	6.90	384057	8.39
240-17796-16	076SB-0059M-0001-SO	165027	5.79	634676	6.90	376561	8.39
240-17796-14	076SB-0057M-0001-SO	168794	5.79	661066	6.90	384587	8.39
240-17796-15	076SB-0058M-0001-SO	172697	5.79	652091	6.90	381367	8.39
240-17796-1	076SB-0023M-0001-SO	169128	5.79	644819	6.90	384176	8.39
240-17796-24	076SB-0062M-0001-SO	175405	5.80	646981	6.90	390885	8.39
240-17796-5	076SB-0026M-0001-SO	166029	5.79	654060	6.90	395491	8.39

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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		453748	6.40	1758954	7.52	984836	9.01
LOWER LIMIT		113437	5.40	439739	6.52	246209	8.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-17796-6	076SB-0027M-0001-SO	174237	5.78	668655	6.90	395782	8.39
MRL 240-67225/25		222892	5.77	864168	6.89	509717	8.39
mdll1 LODV		234297	5.78	890153	6.89	520870	8.39
mdll2 LODV		223638	5.77	861624	6.89	511214	8.39
mdll3 LODV		228193	5.77	882320	6.89	528437	8.39
mdll4 LODV		209711	5.77	806847	6.89	467718	8.39
CCV 240-67390/2		184850	5.73	690703	6.86	389088	8.35
MRL 240-67390/3		183041	5.73	698981	6.86	395697	8.35
240-17796-9	076SB-0053M-0001-SO	195512	5.75	745040	6.86	433584	8.35
240-17796-7	076SB-0028M-0001-SO	194419	5.75	742289	6.86	419054	8.35
240-17796-23	076SB-0061M-0001-SO	185907	5.75	710740	6.86	413863	8.35
240-17796-3	076SB-0024M-0001-SO	192670	5.74	728616	6.86	428730	8.35
240-17796-4	076SB-0025M-0001-SO	199749	5.74	750006	6.86	432719	8.35
MRL 240-67390/26		232713	5.73	872526	6.86	516619	8.35
mdll1 LODV		189144	5.73	682166	6.86	387342	8.35
mdll2 LODV		191062	5.73	735870	6.86	411278	8.35
mdll3 LODV		203878	5.73	735654	6.86	428114	8.35
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
240-17796-26	076SB-0064M-0001-SO	207371	5.74	795613	6.86	466553	8.35
240-17796-28	076SB-0066M-0001-SO	184859	5.73	718564	6.86	414029	8.35
240-17796-32	076SB-0047M-0001-SO	190560	5.73	734407	6.86	428230	8.35
240-17796-34	076SB-0049M-0001-SO	190739	5.74	733249	6.86	433042	8.35
240-17796-30	076SB-0045M-0001-SO	199189	5.73	761747	6.86	437705	8.35
240-17796-27	076SB-0065M-0001-SO	194130	5.74	773909	6.86	446359	8.35
240-17796-29	076SB-0044M-0001-SO	181911	5.76	720803	6.86	419296	8.35

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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		453748	6.40	1758954	7.52	984836	9.01
LOWER LIMIT		113437	5.40	439739	6.52	246209	8.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-17796-31	076SB-0046M-0001-SO	193256	5.75	753802	6.86	439494	8.35
240-17796-35	076SB-0050M-0001-SO	188084	5.74	717020	6.86	421249	8.35
MRL 240-67544/25		224557	5.73	819626	6.86	485047	8.35
mdl11 LODV		234297	5.78	890153	6.89	520870	8.39
mdl12 LODV		223638	5.77	861624	6.89	511214	8.39
CCV 240-67761/2		192388	5.70	712915	6.82	433397	8.32
MRL 240-67761/3		204850	5.70	757481	6.82	437966	8.32
240-17796-36	076SB-0051M-0001-SO	154440	5.69	580831	6.82	338347	8.32
MRL 240-67761/7		239197	5.70	888992	6.82	514865	8.32
CCV 240-68148/2		224573	5.70	840152	6.83	519621	8.32
MRL 240-68148/4		188482	5.70	695776	6.83	415339	8.32
MB 240-67600/22-A		158269	5.70	614341	6.83	351364	8.32
LCS 240-67600/23-A		158764	5.70	590078	6.83	350230	8.32
240-17796-33 RE	076SB-0048M-0001-SO RE	185334	5.72	704775	6.83	410304	8.32
MRL 240-68148/15		218646	5.70	834187	6.83	499671	8.32

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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		1671588	10.27	1720002	12.80	1411164	14.87
LOWER LIMIT		417897	9.27	430001	11.80	352791	13.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-65876/3		646813	9.74	684665	12.26	583062	14.30
CCV 240-66717/2		571175	9.68	565972	12.17	496653	14.19
MRL 240-66717/3		580763	9.68	582075	12.17	499618	14.19
MB 240-65893/5-A		547599	9.68	566160	12.17	476709	14.19
LCS 240-65893/6-A		570529	9.68	591883	12.17	509529	14.19
240-17796-20	076-0067-0001-ER	567178	9.68	562399	12.17	508146	14.19
MRL 240-66717/26		755044	9.68	736653	12.17	632194	14.19
CCV 240-67225/2		719945	9.65	734647	12.12	625293	14.12
MRL 240-67225/3		685602	9.65	719988	12.12	562415	14.12
MB 240-66393/23-A		579928	9.65	583468	12.12	468757	14.12
LCS 240-66393/24-A		603040	9.65	622251	12.12	523324	14.12
240-17796-25	076SB-0063M-0001-SO	640995	9.65	690416	12.12	609019	14.12
240-17796-25 MS	076SB-0063M-0001-SO MS	698840	9.65	722343	12.12	638333	14.12
240-17796-25 MSD	076SB-0063M-0001-SO MSD	702051	9.65	716261	12.12	656710	14.12
240-17796-10	076SS-0007M-0001-SO	757677	9.65	797482	12.12	720782	14.12
240-17796-11	076SB-0054M-0001-SO	799148	9.65	810543	12.12	746863	14.12
240-17796-12	076SB-0055M-0001-SO	761657	9.65	784944	12.12	696785	14.12
240-17796-22	076SB-0060M-0001-SO	760801	9.65	787631	12.12	699692	14.12
240-17796-2	076SS-0022M-0001-SO	674675	9.64	735156	12.12	660157	14.11
240-17796-8	076SB-0029M-0001-SO	678264	9.65	707086	12.12	662288	14.12
240-17796-13	076SB-0056M-0001-SO	692722	9.65	737753	12.12	676196	14.12
240-17796-16	076SB-0059M-0001-SO	660552	9.64	716164	12.12	654854	14.11
240-17796-14	076SB-0057M-0001-SO	687781	9.65	723325	12.12	644876	14.12
240-17796-15	076SB-0058M-0001-SO	680150	9.65	733929	12.12	668124	14.12
240-17796-1	076SB-0023M-0001-SO	659367	9.64	710786	12.12	648545	14.12
240-17796-24	076SB-0062M-0001-SO	675154	9.65	728259	12.12	650800	14.12
240-17796-5	076SB-0026M-0001-SO	697617	9.64	724737	12.12	655133	14.11

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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		1671588	10.27	1720002	12.80	1411164	14.87
LOWER LIMIT		417897	9.27	430001	11.80	352791	13.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-17796-6	076SB-0027M-0001-SO	697300	9.65	736343	12.12	658171	14.12
MRL 240-67225/25		937341	9.65	940963	12.12	791185	14.12
mdl11 LODV		957239	9.65	958189	12.12	821980	14.12
mdl12 LODV		918520	9.65	937715	12.12	799991	14.12
mdl13 LODV		942631	9.65	975055	12.12	812626	14.12
mdl14 LODV		850341	9.65	871283	12.12	720902	14.12
CCV 240-67390/2		693081	9.60	681845	12.06	587908	14.04
MRL 240-67390/3		682268	9.60	667929	12.06	557783	14.04
240-17796-9	076SB-0053M-0001-SO	732706	9.60	741595	12.05	648206	14.03
240-17796-7	076SB-0028M-0001-SO	735027	9.60	735755	12.05	634557	14.03
240-17796-23	076SB-0061M-0001-SO	707845	9.60	714971	12.05	615975	14.03
240-17796-3	076SB-0024M-0001-SO	739455	9.60	742109	12.05	646841	14.03
240-17796-4	076SB-0025M-0001-SO	742927	9.60	734600	12.05	634198	14.03
MRL 240-67390/26		919394	9.60	886927	12.06	773895	14.03
mdl11 LODV		665763	9.60	650453	12.05	562456	14.03
mdl12 LODV		737942	9.60	732589	12.05	626712	14.04
mdl13 LODV		745790	9.60	761591	12.05	634432	14.03
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
240-17796-26	076SB-0064M-0001-SO	821237	9.60	842129	12.06	721607	14.03
240-17796-28	076SB-0066M-0001-SO	744575	9.60	762982	12.05	651497	14.03
240-17796-32	076SB-0047M-0001-SO	763849	9.60	785627	12.05	662728	14.03
240-17796-34	076SB-0049M-0001-SO	753954	9.60	762733	12.06	641672	14.03
240-17796-30	076SB-0045M-0001-SO	783391	9.60	801284	12.06	656987	14.03
240-17796-27	076SB-0065M-0001-SO	773601	9.60	835295	12.06	695732	14.03
240-17796-29	076SB-0044M-0001-SO	736192	9.60	758687	12.06	644003	14.04

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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		1671588	10.27	1720002	12.80	1411164	14.87
LOWER LIMIT		417897	9.27	430001	11.80	352791	13.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-17796-31	076SB-0046M-0001-SO	777639	9.60	803018	12.06	694864	14.04
240-17796-35	076SB-0050M-0001-SO	736347	9.60	765969	12.06	649458	14.03
MRL 240-67544/25		854296	9.60	849647	12.06	725945	14.03
mdl11 LODV		957239	9.65	958189	12.12	821980	14.12
mdl12 LODV		918520	9.65	937715	12.12	799991	14.12
CCV 240-67761/2		749435	9.57	774127	12.01	630508	13.97
MRL 240-67761/3		783177	9.57	805590	12.01	668463	13.97
240-17796-36	076SB-0051M-0001-SO	609367	9.57	618369	12.01	510163	13.97
MRL 240-67761/7		917818	9.57	937509	12.01	793239	13.97
CCV 240-68148/2		920039	9.58	963204	12.02	792775	13.98
MRL 240-68148/4		721444	9.58	768400	12.01	616187	13.98
MB 240-67600/22-A		617376	9.58	614220	12.01	457861	13.98
LCS 240-67600/23-A		603553	9.58	631263	12.01	471643	13.98
240-17796-33 RE	076SB-0048M-0001-SO RE	721428	9.57	723377	12.01	581775	13.98
MRL 240-68148/15		878714	9.58	927672	12.01	763353	13.98

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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 8270C/DOD

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: STD6 240-67070/10 Date Analyzed: 12/03/2012 15:01

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21203010.D Heated Purge: (Y/N) N

Calibration ID: 12569

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		219993	6.05	913768	7.16	570837	8.65
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-67070/12		137958	6.05	564325	7.15	357466	8.65
CCV 240-67368/2		189692	6.00	816137	7.11	502877	8.61
MRL 240-67368/3		211866	6.00	870247	7.11	540226	8.60
MB 240-66734/4-A		158275	6.00	661648	7.11	413366	8.60
LCS 240-66734/5-A		162256	6.00	664131	7.11	418913	8.60
240-17796-33	076SB-0048M-0001-SO	157581	6.06	657834	7.13	421088	8.60
MRL 240-67368/15		174823	6.00	715853	7.11	457540	8.60
mdl11 LODV		154964	6.00	644515	7.11	375194	8.60
mdl12 LODV		151788	6.00	613859	7.11	376965	8.60
mdl13 LODV		161921	6.00	674016	7.10	426913	8.60

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.: 240-17796-1

SDG No.:

Sample No.: STD6 240-67070/10 Date Analyzed: 12/03/2012 15:01

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 21203010.D Heated Purge: (Y/N) N

Calibration ID: 12569

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		998118	9.92	998924	12.54	831813	14.68
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-67070/12		594843	9.92	624609	12.54	454251	14.68
CCV 240-67368/2		887192	9.87	914426	12.46	714138	14.57
MRL 240-67368/3		979261	9.87	1004915	12.46	805162	14.58
MB 240-66734/4-A		729427	9.87	699298	12.46	554699	14.57
LCS 240-66734/5-A		712174	9.87	760864	12.46	566150	14.57
240-17796-33	076SB-0048M-0001-SO	702668	9.86	714981	12.46	583673	14.57
MRL 240-67368/15		774573	9.86	779049	12.46	639420	14.57
mdl11 LODV		694273	9.87	669908	12.46	512301	14.57
mdl12 LODV		642609	9.87	625630	12.45	491160	14.57
mdl13 LODV		729946	9.87	723776	12.46	579861	14.57

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0023M-0001-SO | Lab Sample ID: 240-17796-1

Matrix: Solid | Lab File ID: 21204021.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.76(g) | Date Analyzed: 12/04/2012 16:51

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.: 67225 | 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	5.0	J	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	16		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	20		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	18		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	8.9		6.7	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	6.0	J M	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	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	31	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	15		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	7.1	J	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.8
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	81	U	100	81	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	81	U	150	81	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0023M-0001-SO | Lab Sample ID: 240-17796-1

Matrix: Solid | Lab File ID: 21204021.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.76(g) | Date Analyzed: 12/04/2012 16:51

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
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	38		6.7	3.3	3.3
86-73-7	Fluorene	4.6	J	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	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	12		6.7	3.3	3.3
78-59-1	Isophorone	14	J	50	27	13
91-57-6	2-Methylnaphthalene	19		6.7	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	400	81	20
91-20-3	Naphthalene	16		6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	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	81	U	330	81	81
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	81	U	150	81	81
85-01-8	Phenanthrene	33		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	27		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	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0023M-0001-SO | Lab Sample ID: 240-17796-1

Matrix: Solid | Lab File ID: 21204021.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.76(g) | Date Analyzed: 12/04/2012 16:51

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		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)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	72		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	68		35-125

Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D
Lims ID: 240-17796-E-1-B Client ID: 076SB-0023M-0001-SO
Inject. Date: 04-Dec-2012 16:51:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015502-021
Misc. Info.: 240-17796-e-1-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 21
Lims Batch ID: 67225 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:46:36 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: XAWRK027

First Level Reviewer: gruberj Date: 05-Dec-2012 13:42:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.785	5.769	0.016	94	169128	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	99	644819	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	92	384176	4.00	
* 4 Phenanthrene-d10	188	9.642	9.647	-0.005	97	659367	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	97	710786	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	96	648545	4.00	
$ 7 2-Fluorophenol	112	4.635	4.486	0.149	89	526037	10.1	
$ 8 Phenol-d5	99	5.443	5.422	0.021	95	668616	10.1	
$ 9 Nitrobenzene-d5	82	6.272	6.267	0.005	88	371906	6.56	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	100	764921	6.14	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	94	162846	10.2	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	947298	7.20	
41 Phenol	94		5.432					
44 Bis(2-chloroethyl)ether	93		5.523					
46 2-Chlorophenol	128		5.577					9
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					
63 Isophorone	82	6.491	6.486	0.005	75	22145	0.2153	
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					
69 Benzoic acid	122		6.652					9
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.919	6.914	0.005	59	37375	0.2320	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142	7.508	7.508	0.0	77	29169	0.2830	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					9
91 2,4,5-Trichlorophenol	196		7.770					9
98 2-Chloronaphthalene	162		7.919					
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					
112 2,4-Dinitrotoluene	165		8.534					
114 Dibenzofuran	168	8.561	8.561	0.0	81	16524	0.1056	
119 Diethyl phthalate	149	8.727	8.727	0.0	67	20986	0.1779	
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166	8.855	8.850	0.005	69	8650	0.0689	
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					9
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178	9.663	9.663	0.0	89	88459	0.4911	
147 Anthracene	178	9.711	9.711	0.0	78	13388	0.0748	
149 Carbazole	167		9.834					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	95	33545	0.1718	
157 Fluoranthene	202	10.669	10.669	0.0	96	112459	0.5653	
160 Pyrene	202	10.867	10.866	0.001	95	91833	0.4049	
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	79	35378	0.4627	
175 Benzo[a]anthracene	228	12.102	12.107	-0.005	75	46017	0.2320	
176 Chrysene	228	12.145	12.150	-0.005	46	41953	0.2219	
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.557	13.551	0.006	85	56552	0.2733	
181 Benzo[k]fluoranthene	252	13.584	13.594	-0.010	87	20027	0.0891	M
182 Benzo[a]pyrene	252	14.033	14.038	-0.005	60	40157	0.3049	
186 Indeno[1,2,3-cd]pyrene	276	15.723	15.723	0.0	62	21122	0.1728	
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276	16.130	16.135	-0.005	71	24540	0.1322	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

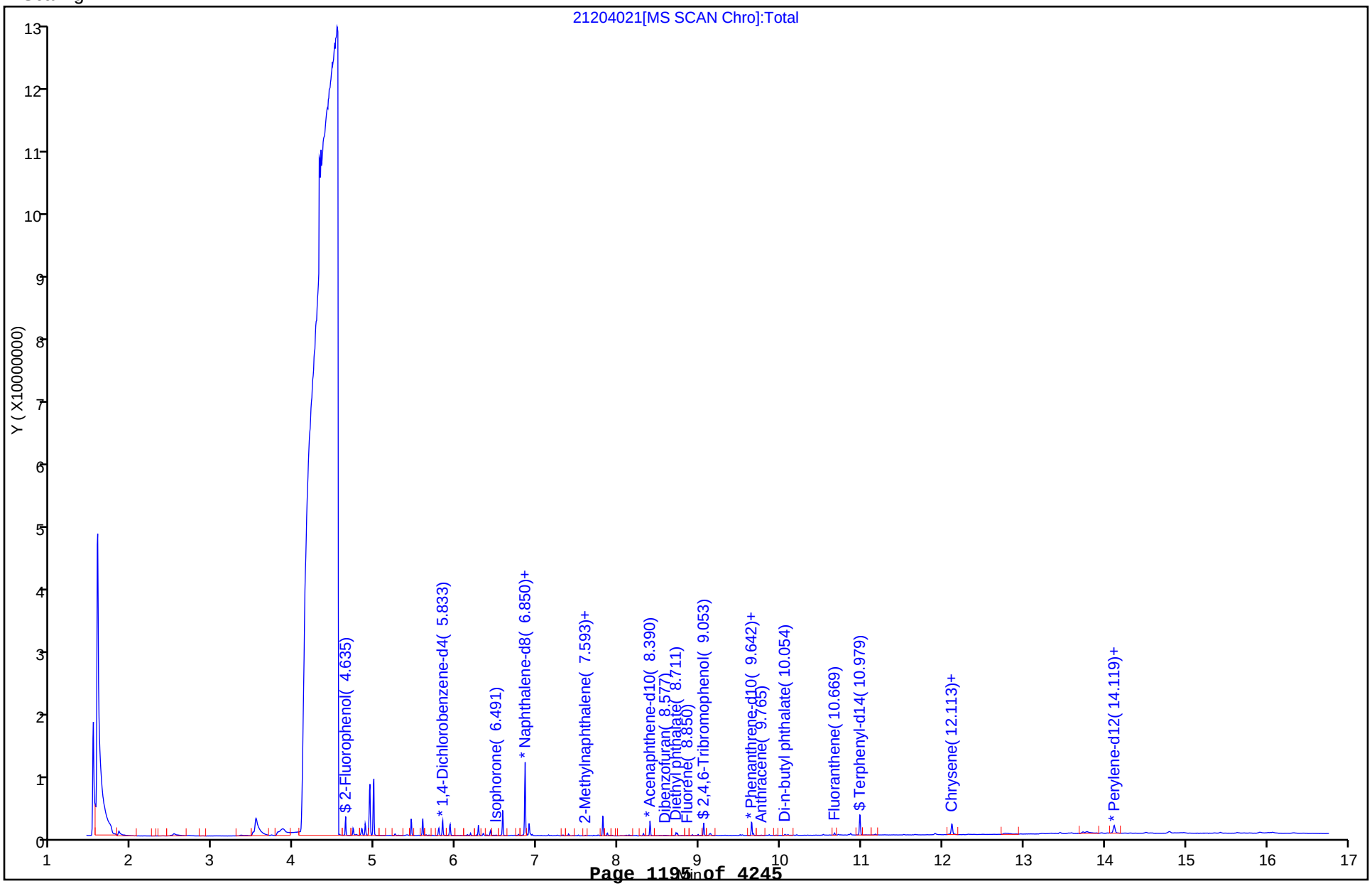
Review Flags
M - Manually Integrated

Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D		
Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

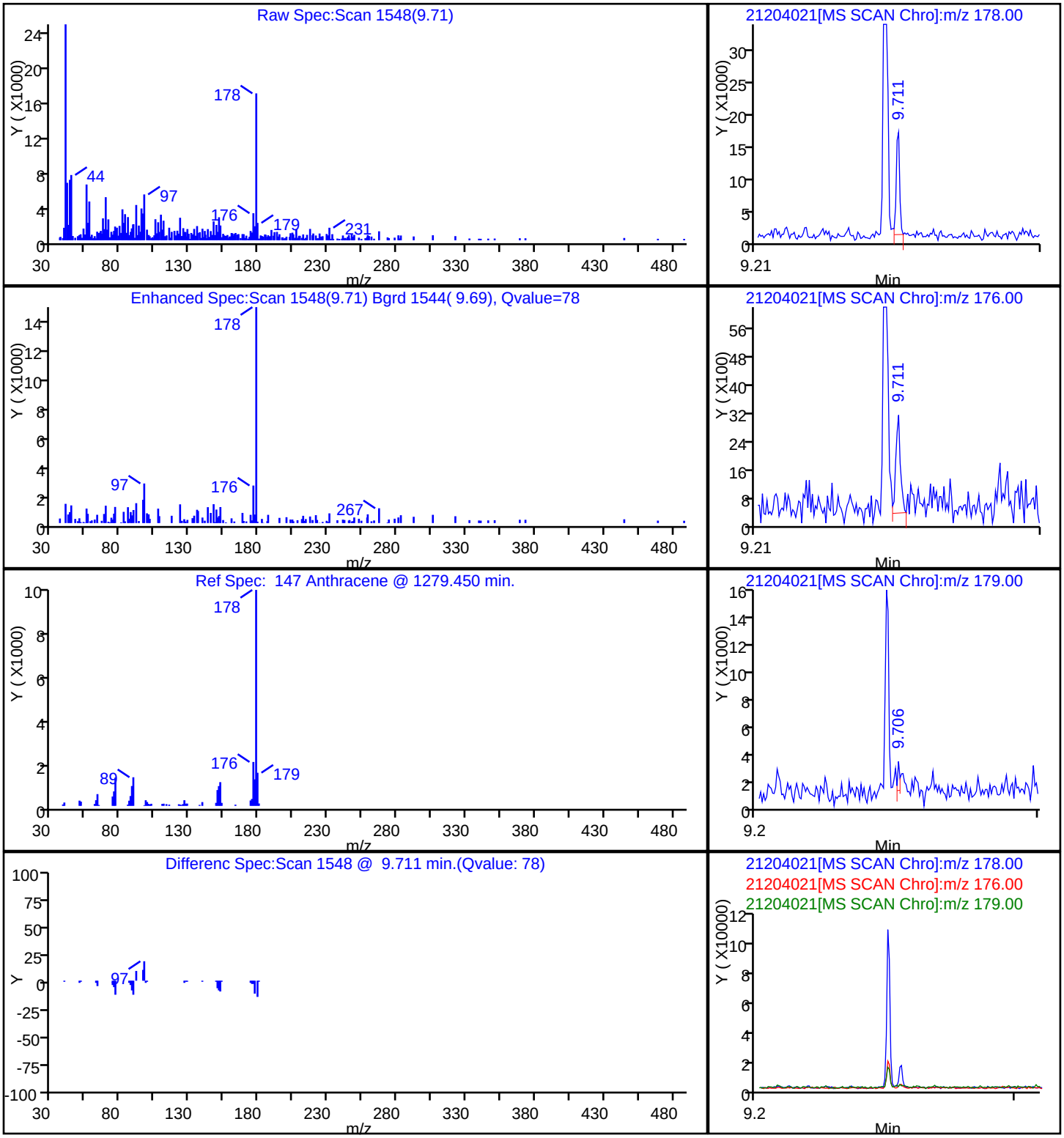


Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D		
Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

147 Anthracene



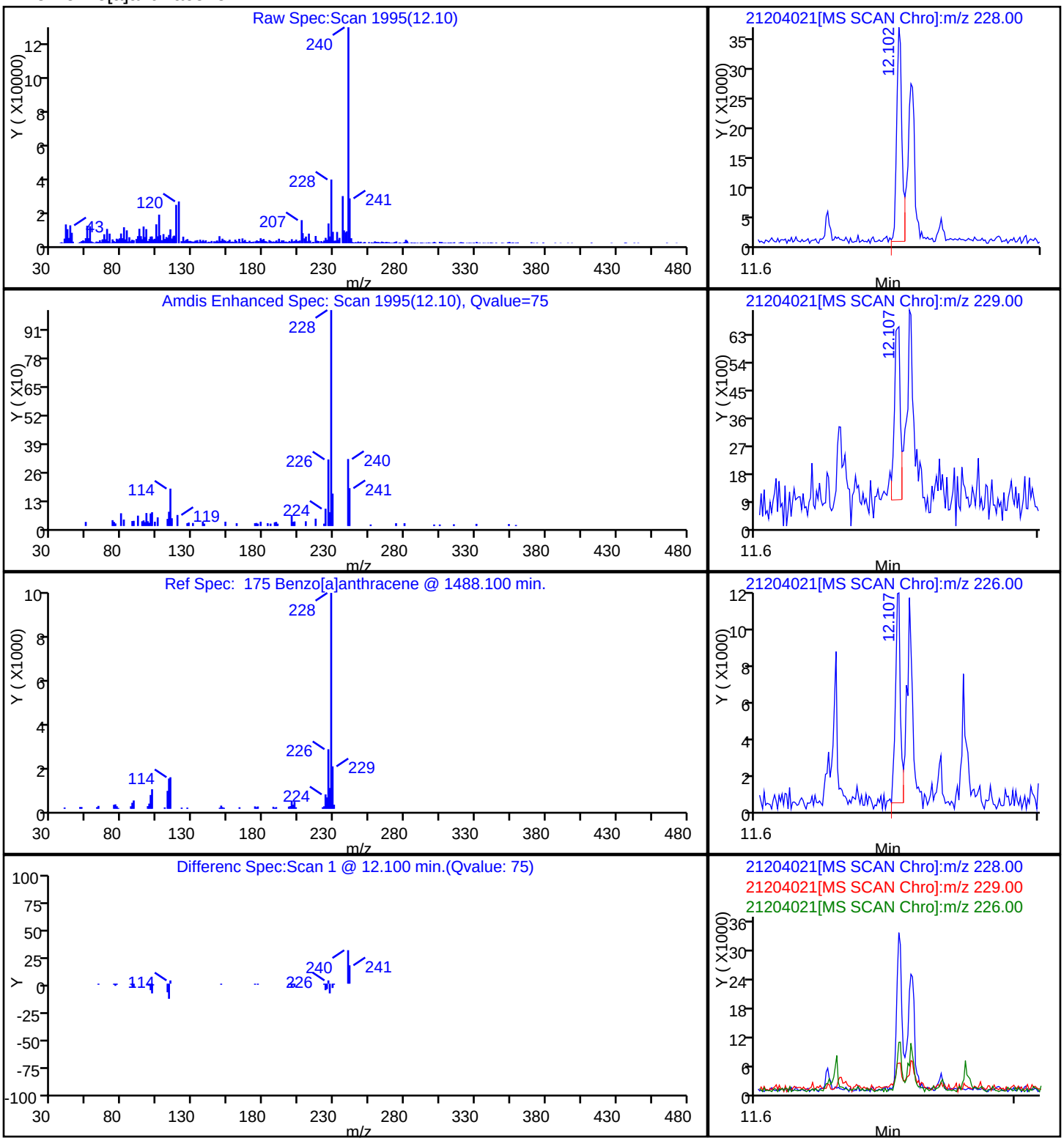
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene



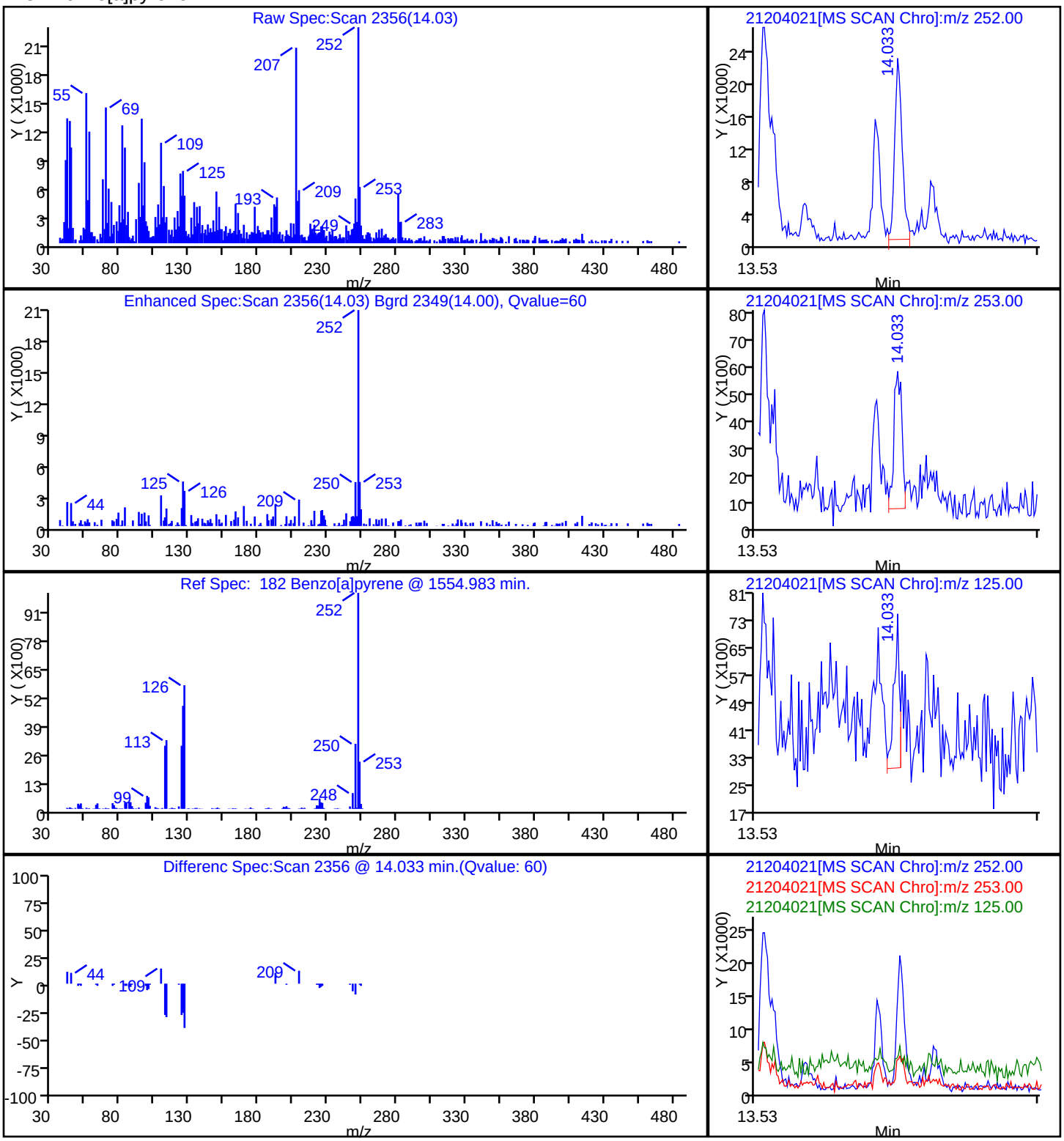
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



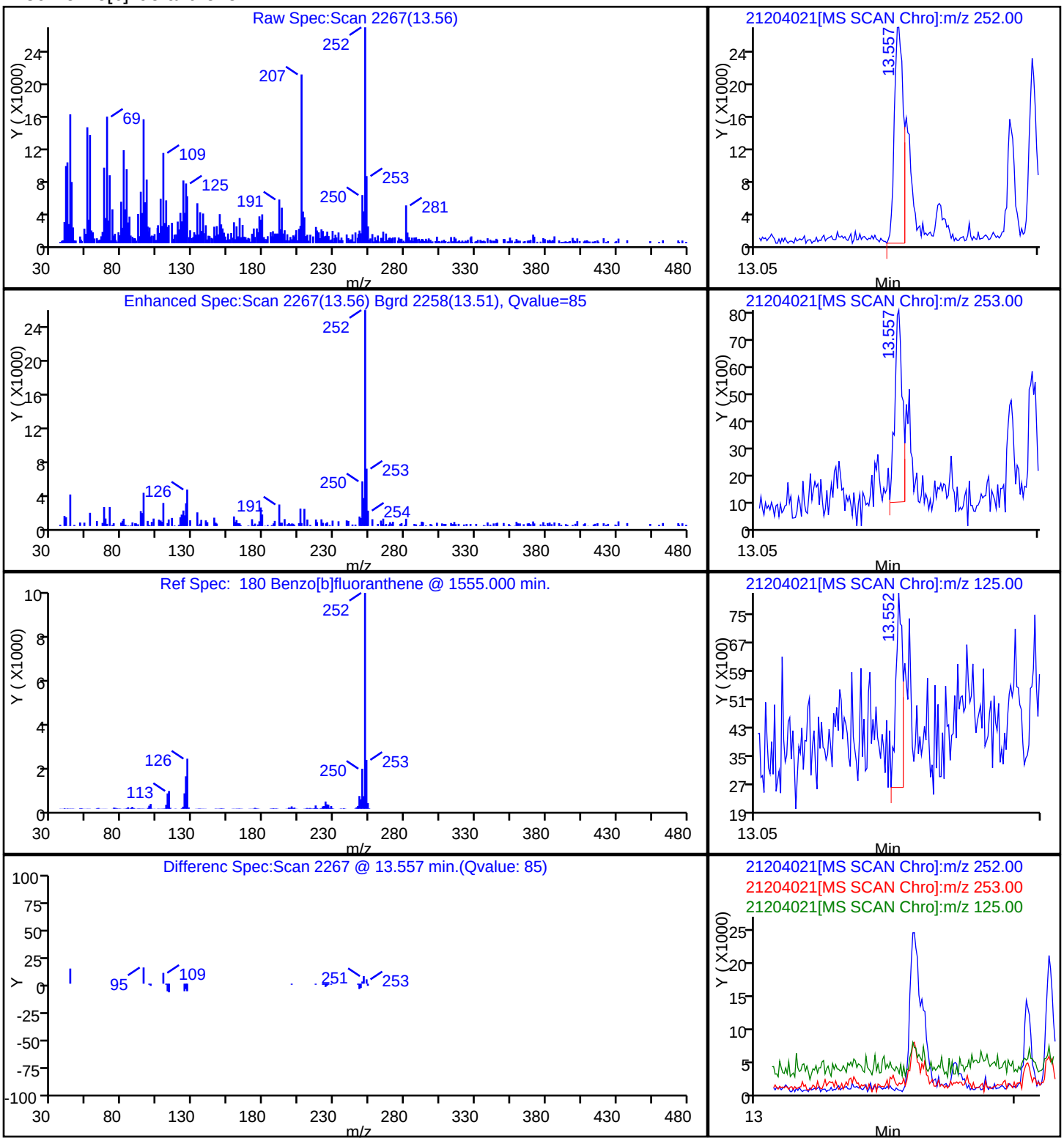
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



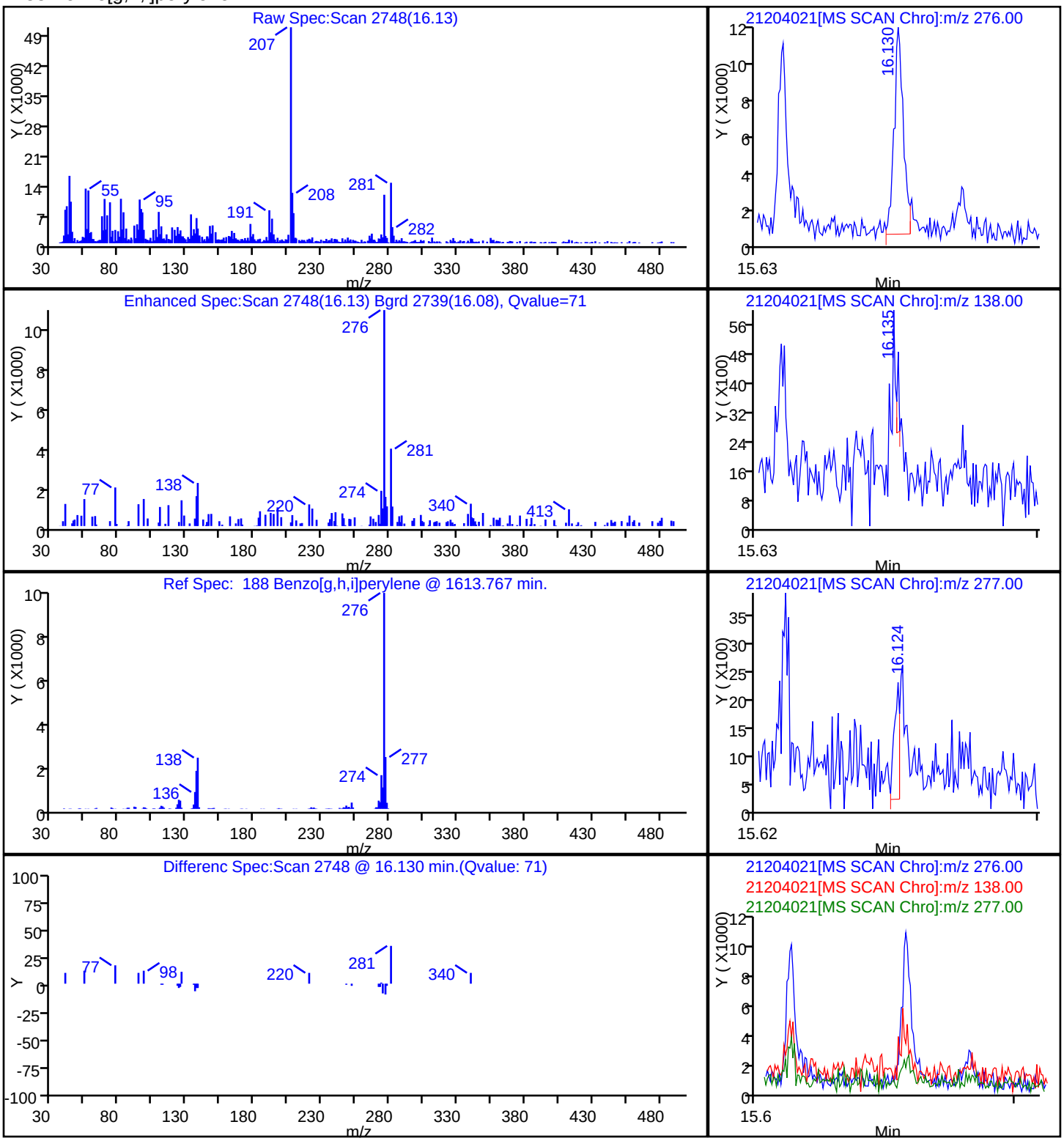
Report Date: 05-Dec-2012 13:46:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene



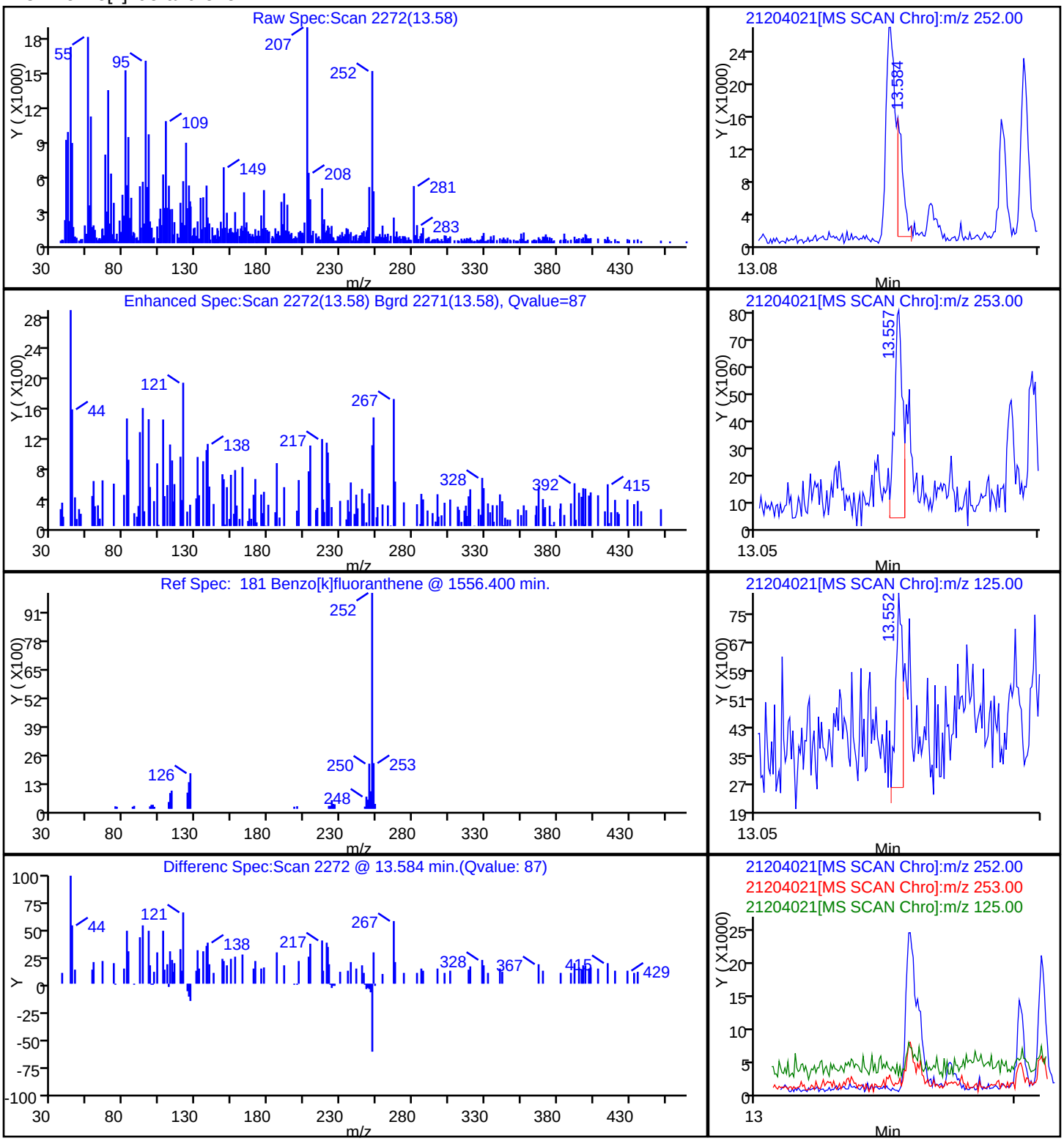
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene



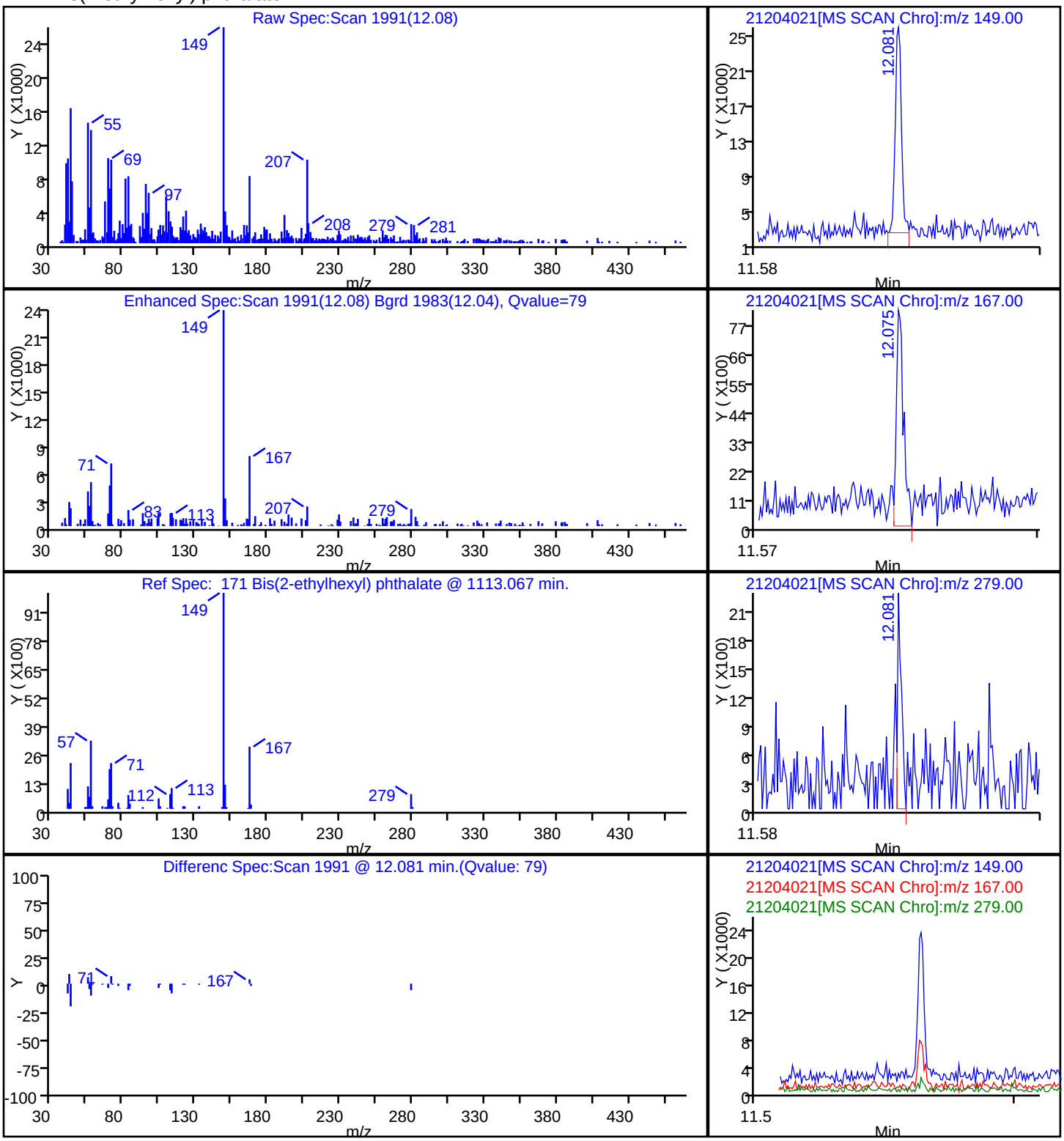
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate

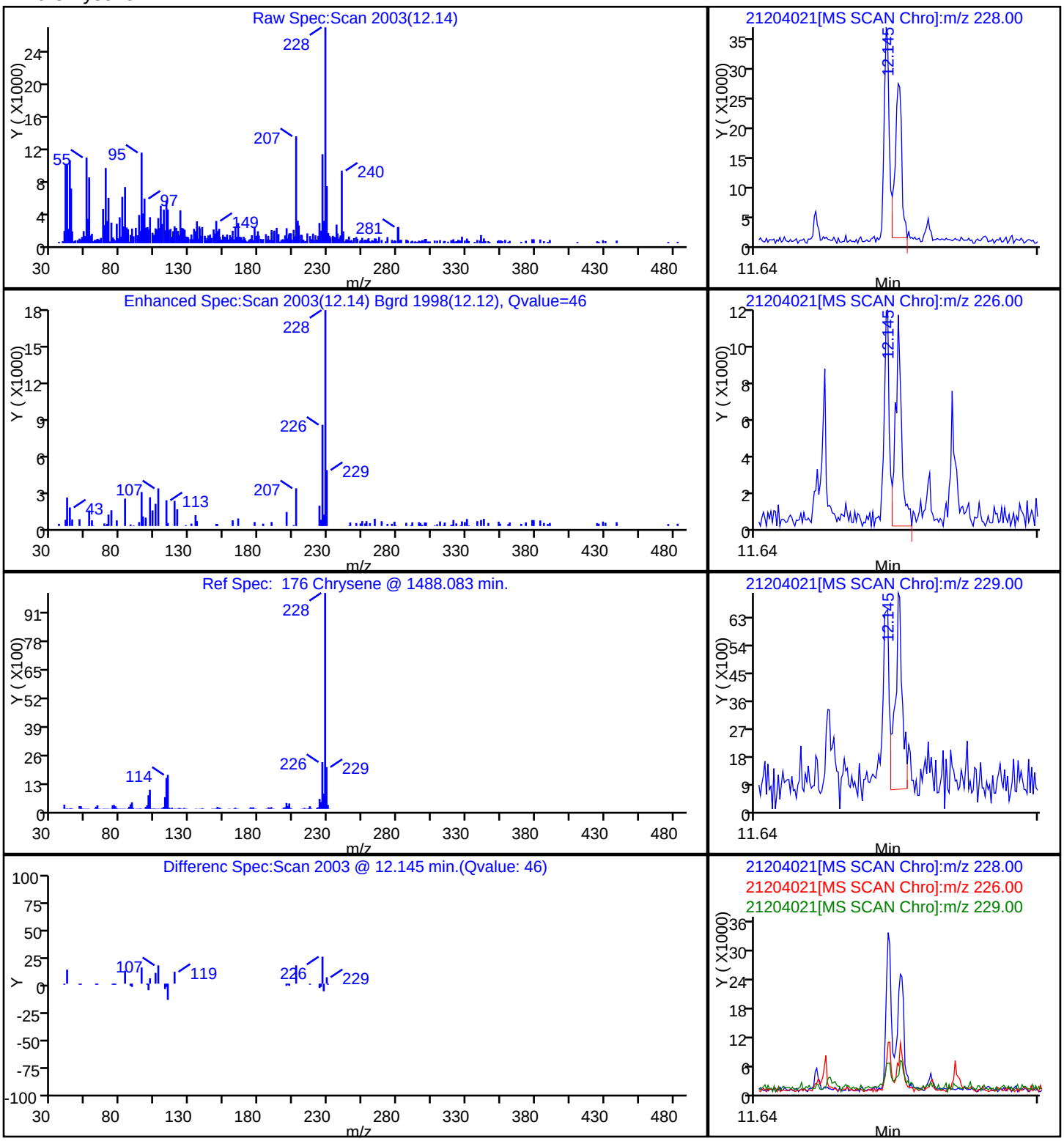


Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D		
Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene



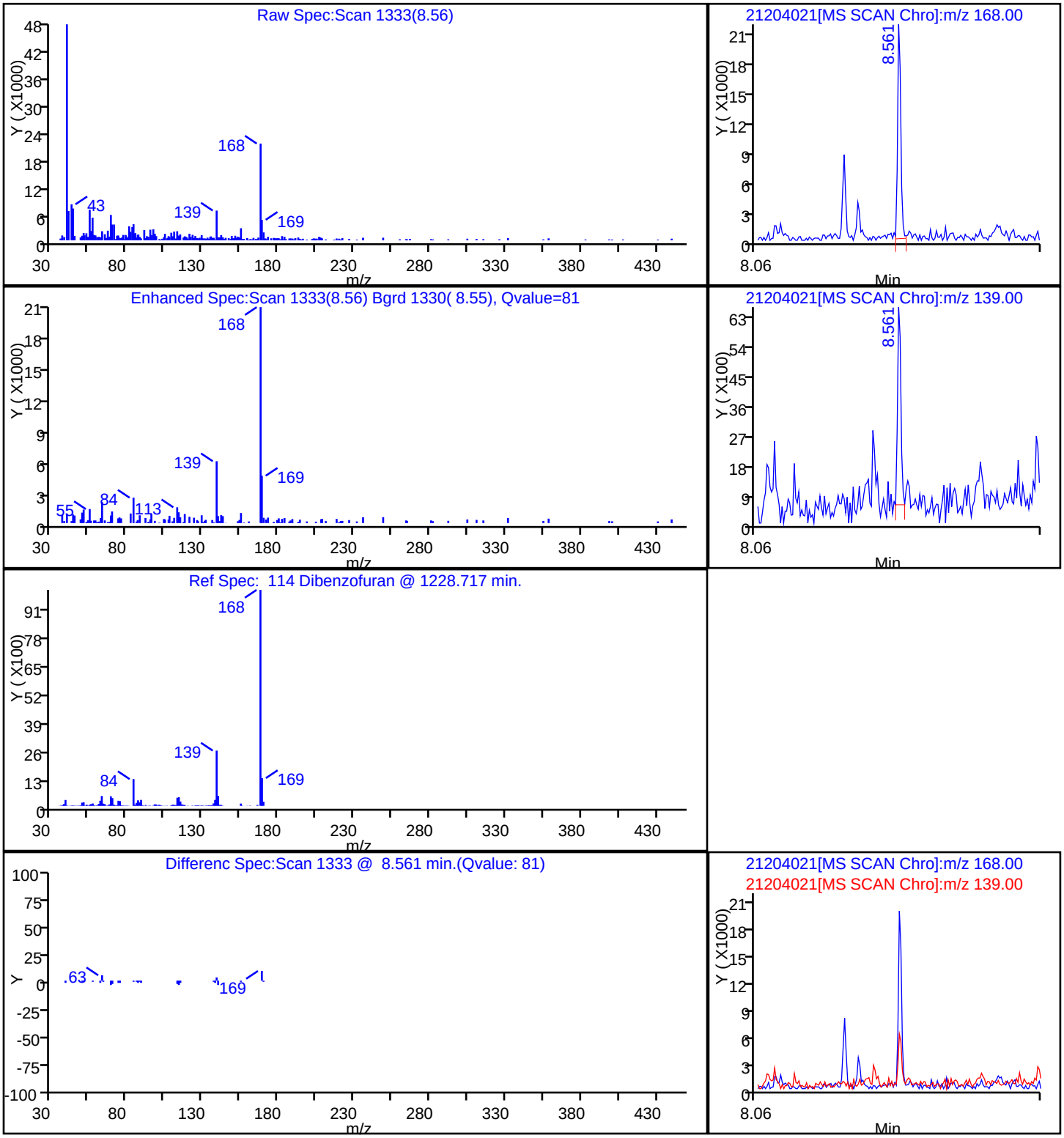
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

114 Dibenzofuran

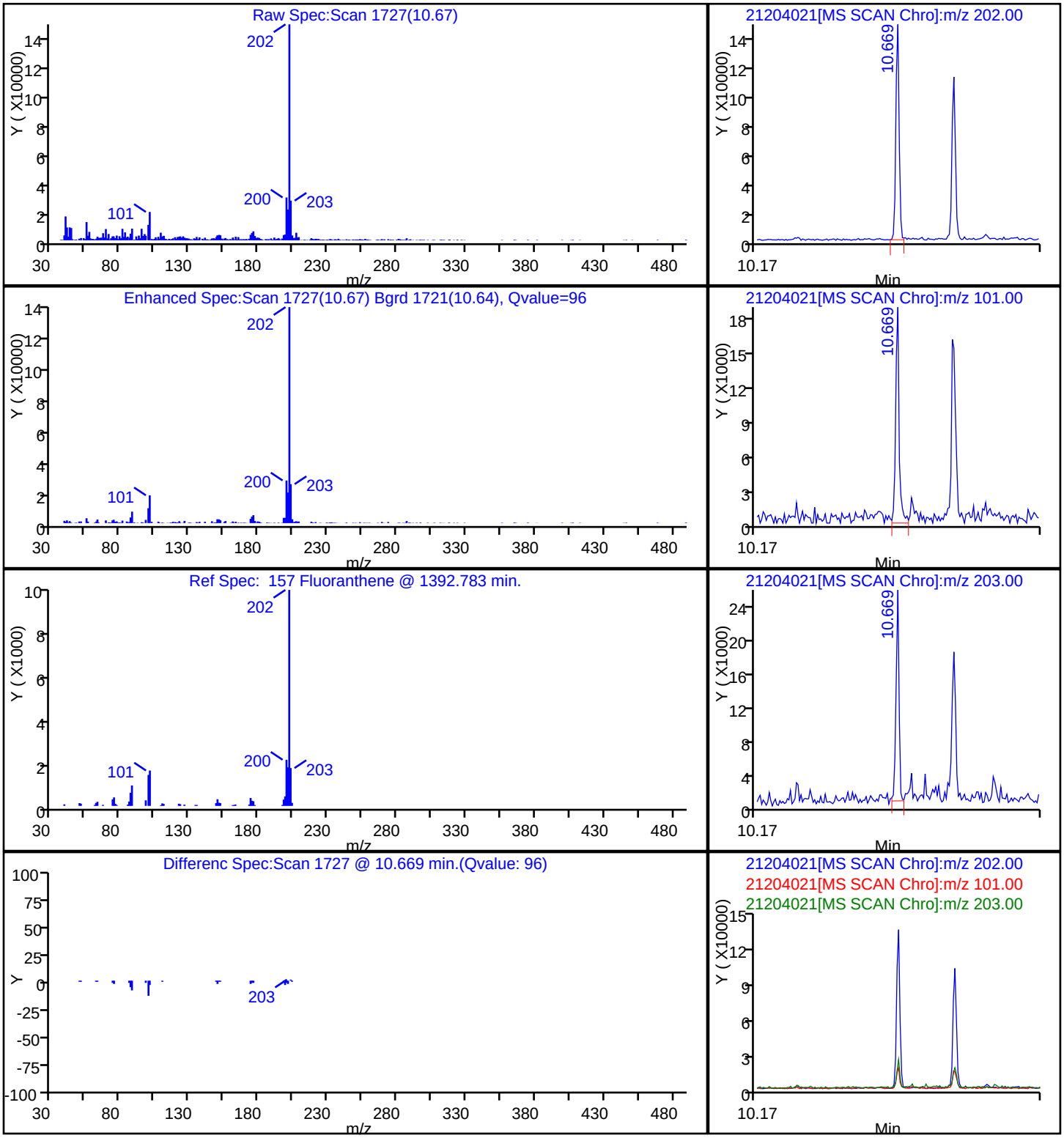


Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D		
Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



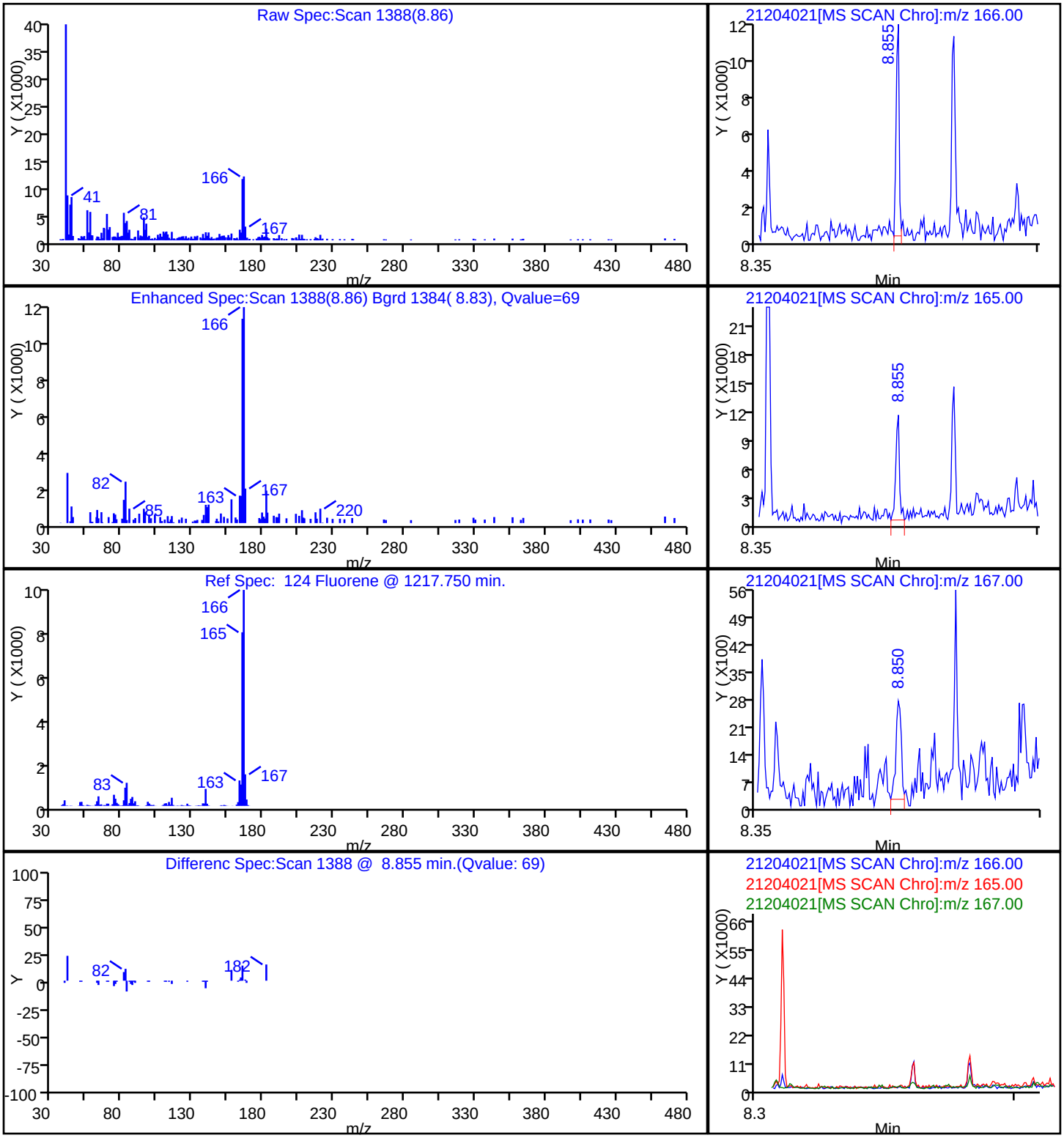
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene

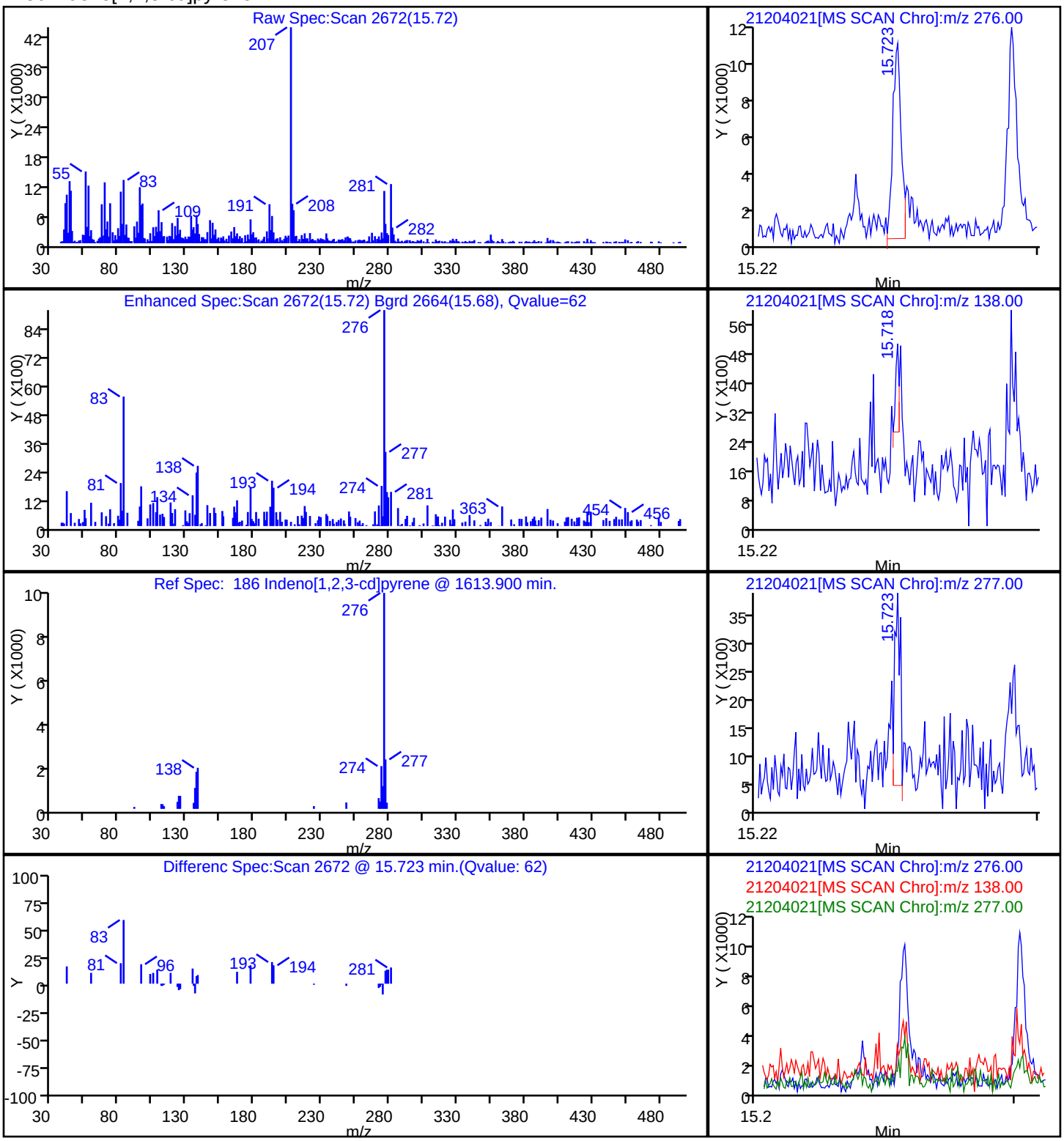


Report Date: 05-Dec-2012 13:46:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D		
Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene



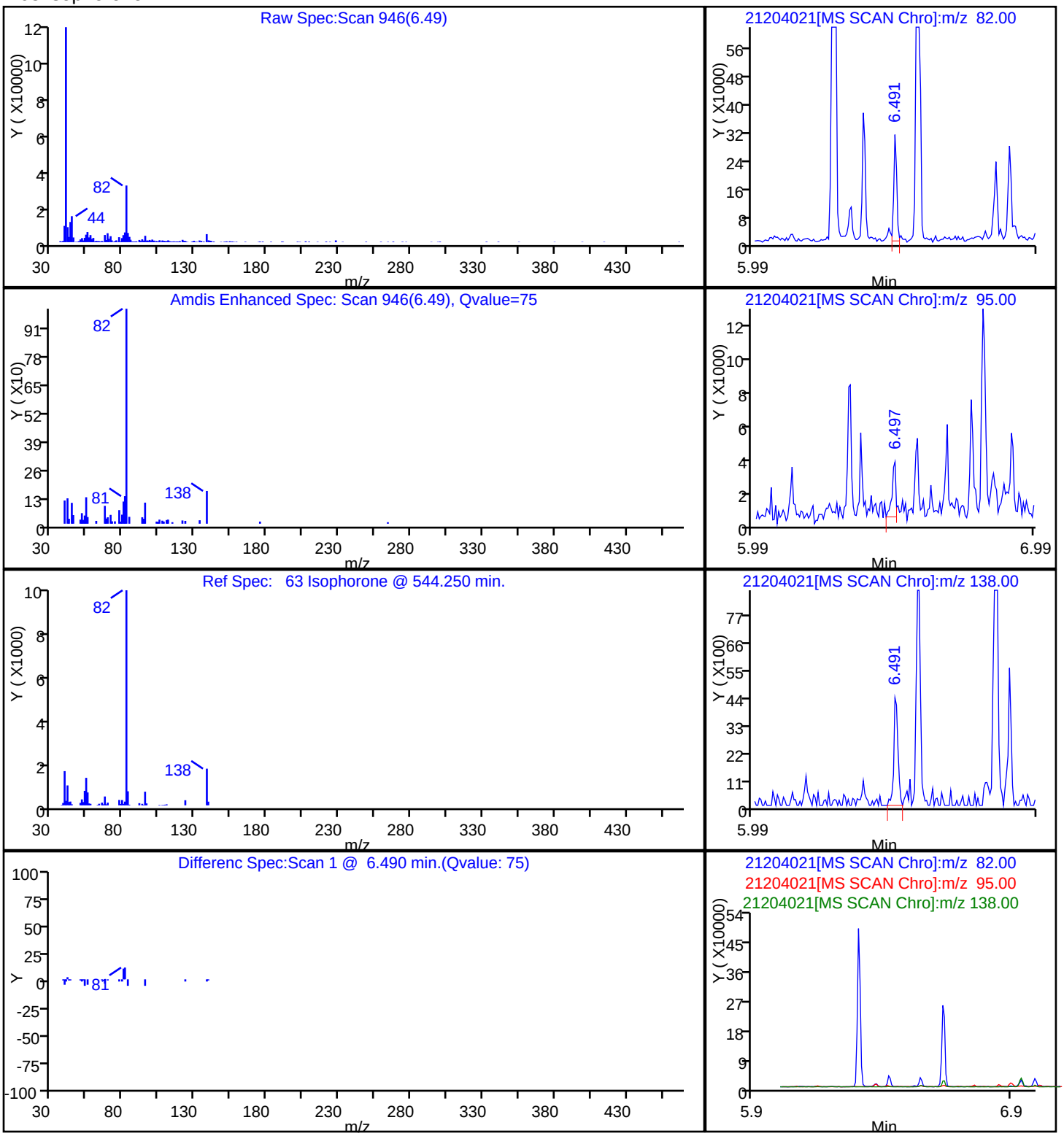
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

63 Isophorone



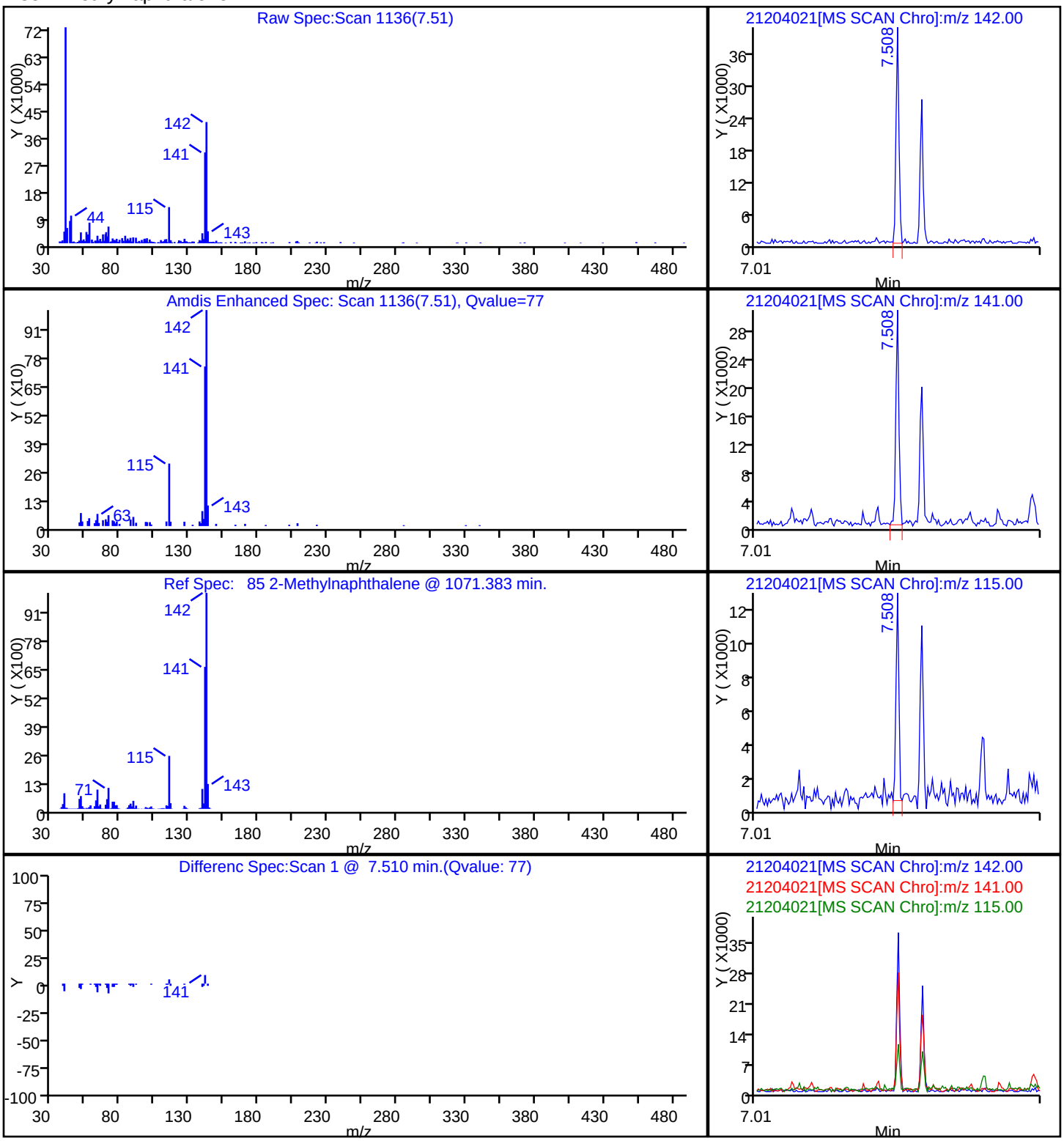
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene

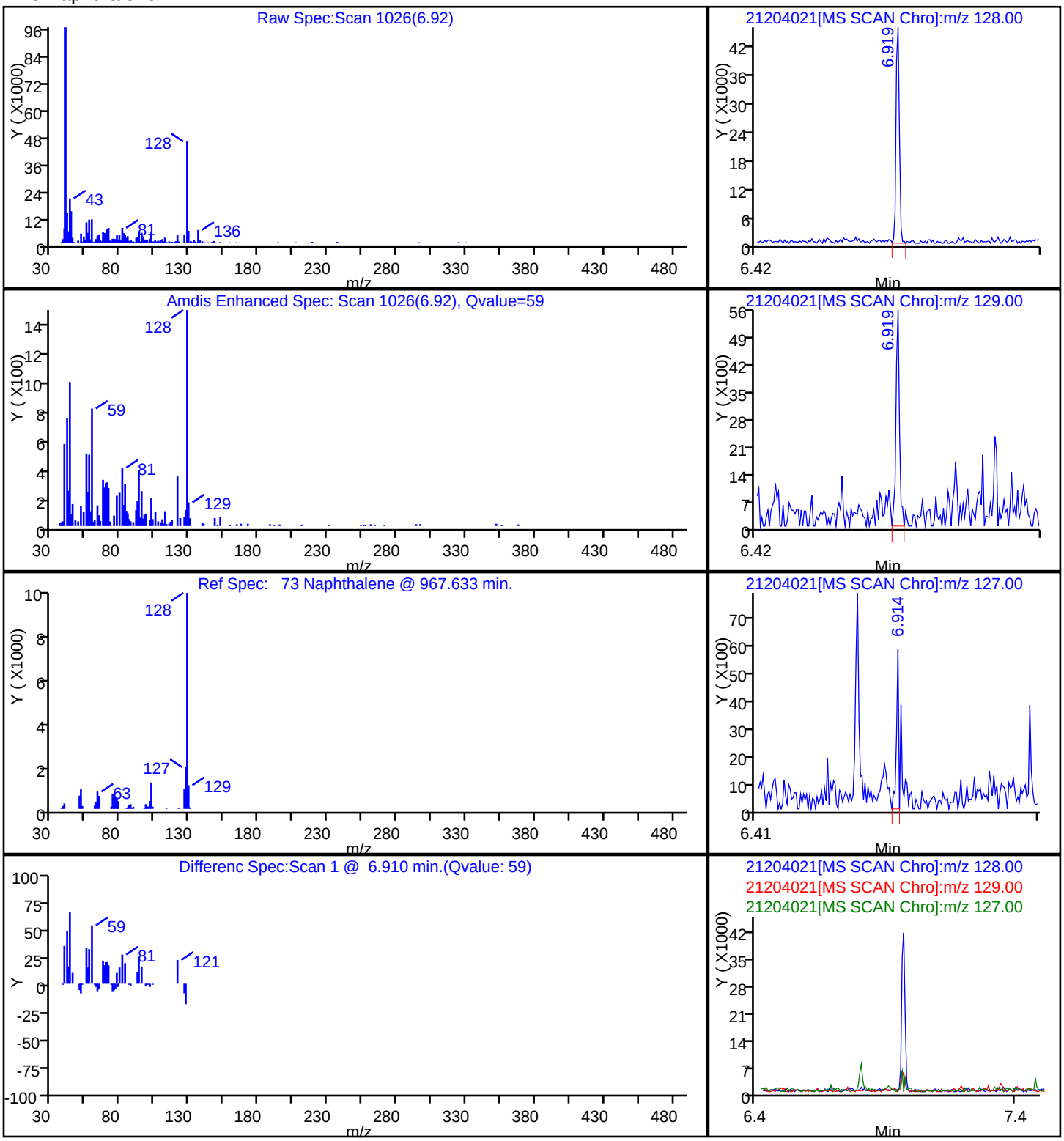


Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D		
Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



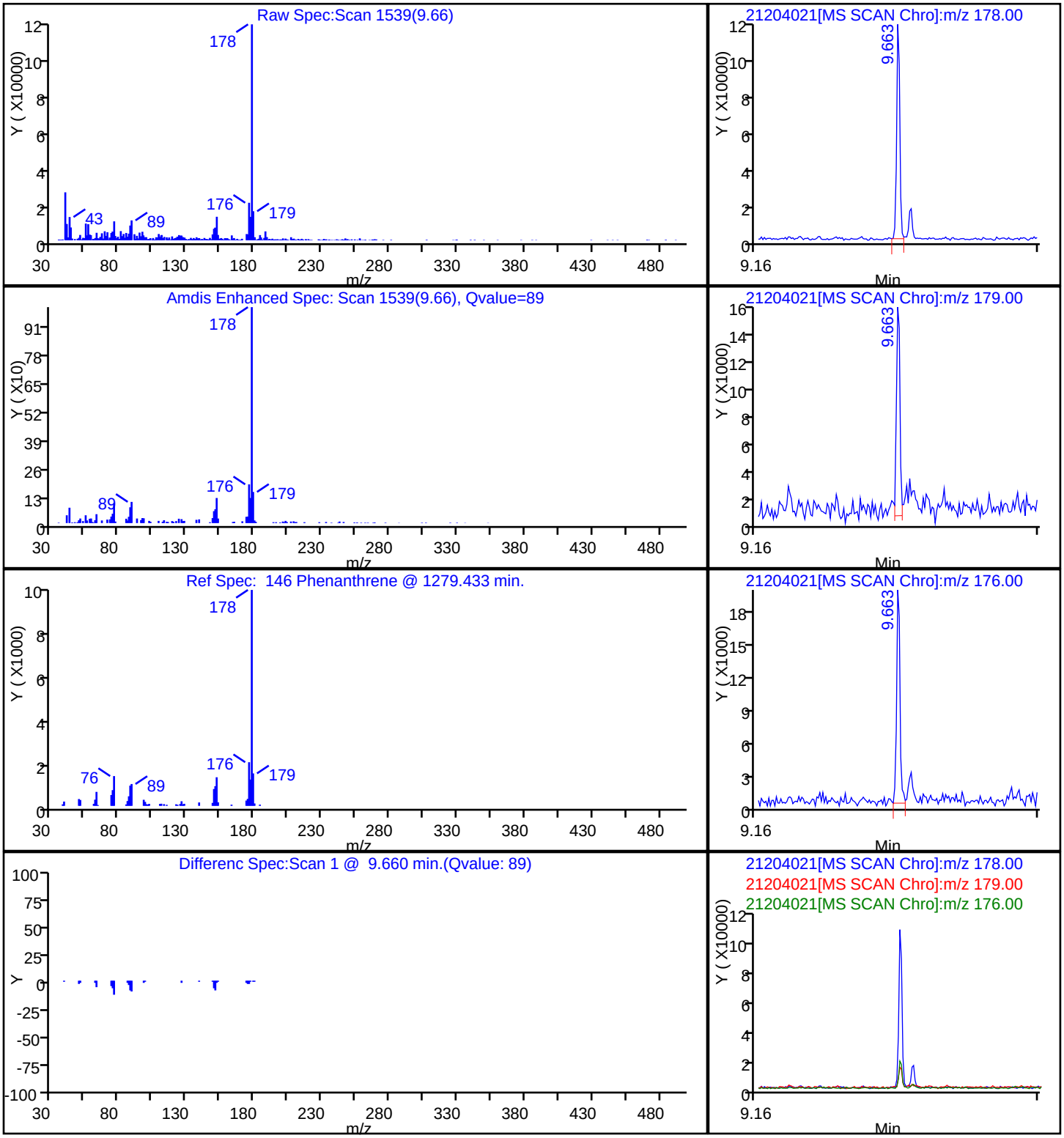
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



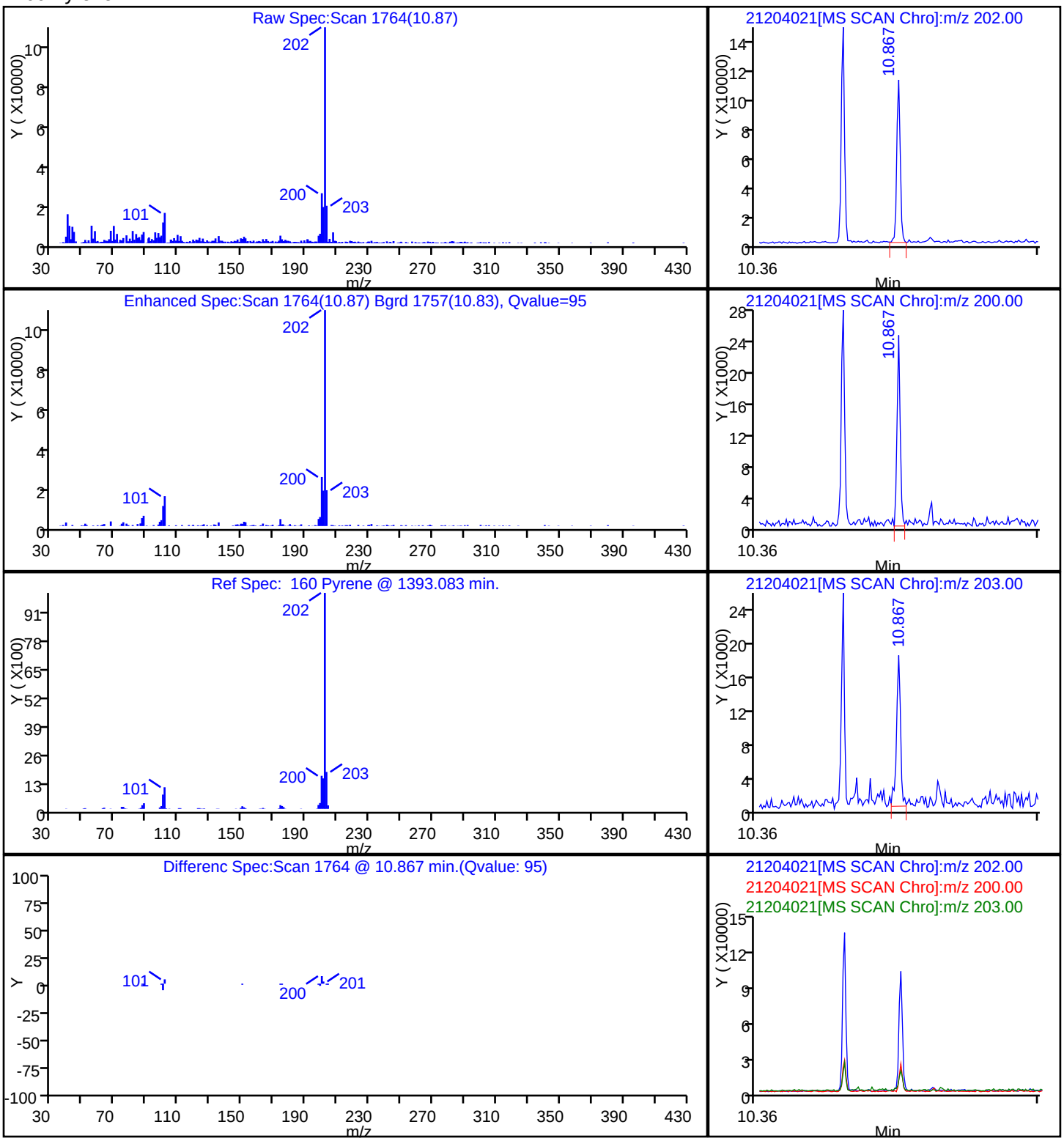
Report Date: 05-Dec-2012 13:46:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D

Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
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

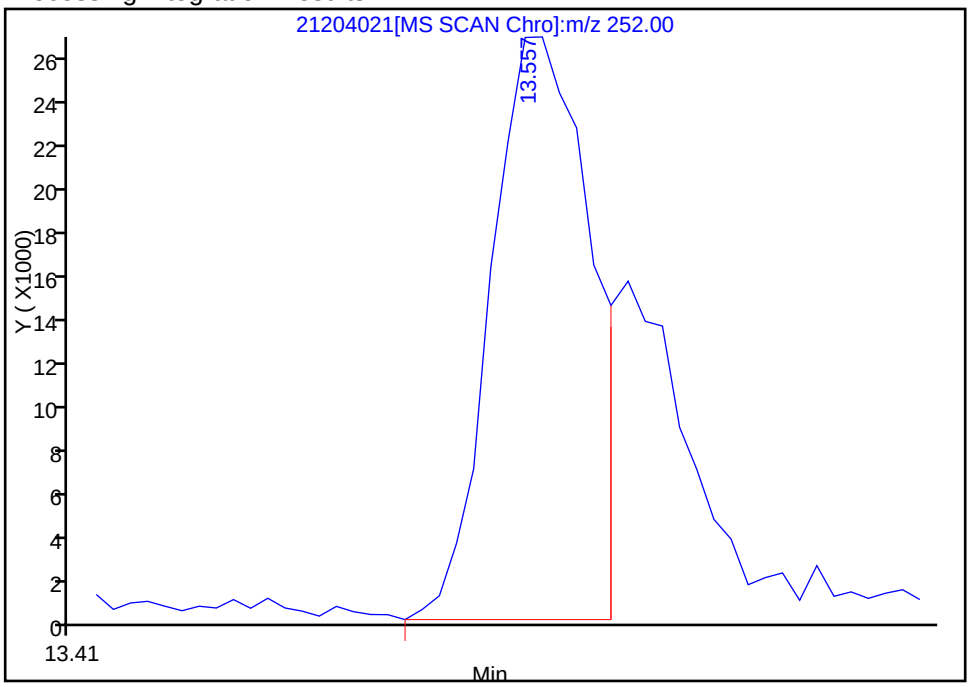
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204021.D		
Injection Date:	04-Dec-2012 16:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0023M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.59

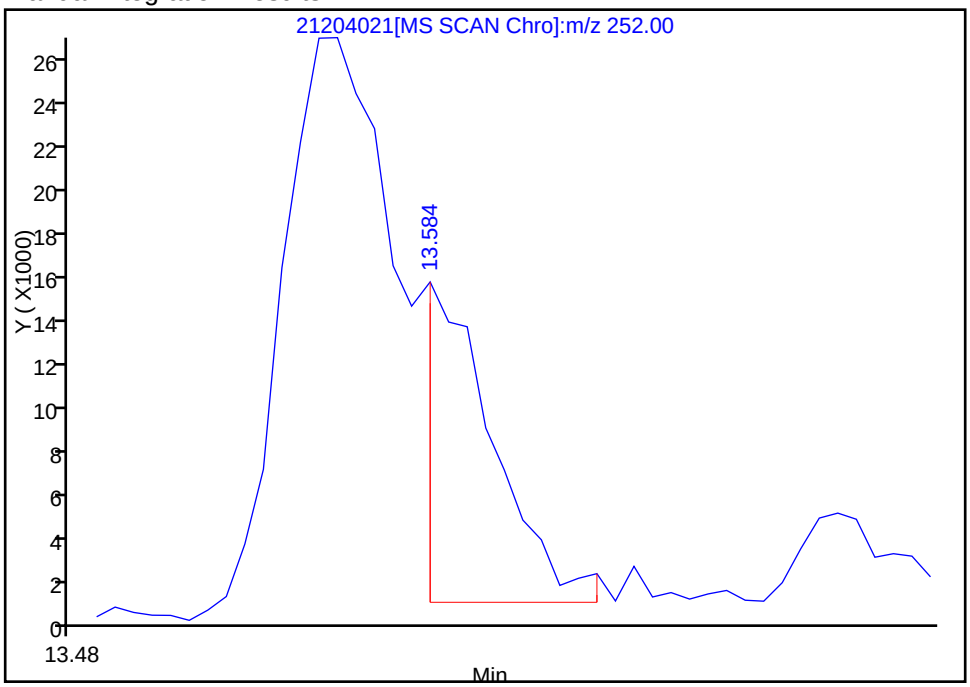
Processing Integration Results

RT: 13.56
Response: 56552
Amount: 0.251554



Manual Integration Results

RT: 13.58
Response: 20027
Amount: 0.089084



Reviewer: gruberj, 05-Dec-2012 13:42:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SS-0022M-0001-SO | Lab Sample ID: 240-17796-2

Matrix: Solid | Lab File ID: 21204015.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.19(g) | Date Analyzed: 12/04/2012 14:29

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.6	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.6	3.3	3.3
120-12-7	Anthracene	5.0	J	6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	7.0		6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	12		6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	7.1		6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.6	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	99	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	99	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	99	27	9.4
117-81-7	Bis(2-ethylhexyl) phthalate	29	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	9.9
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	7.1		6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.6	3.3	3.3
132-64-9	Dibenzofuran	8.7	J	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	50	27	9.6
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	79	U	99	79	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	79	U	150	79	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SS-0022M-0001-SO | Lab Sample ID: 240-17796-2

Matrix: Solid | Lab File ID: 21204015.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.19(g) | Date Analyzed: 12/04/2012 14:29

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	79	U	150	79	79
51-28-5	2,4-Dinitrophenol	79	U	330	79	79
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	24		6.6	3.3	3.3
86-73-7	Fluorene	8.9		6.6	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.6	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	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.6	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	9.2		6.6	3.3	3.3
95-48-7	2-Methylphenol	79	U	200	79	79
15831-10-4	3 & 4 Methylphenol	79	U	400	79	20
91-20-3	Naphthalene	13		6.6	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.0
99-09-2	3-Nitroaniline	79	U	200	79	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	99	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	79	U	330	79	79
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	79	U	150	79	79
85-01-8	Phenanthrene	39		6.6	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	14		6.6	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	79	U	150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SS-0022M-0001-SO | Lab Sample ID: 240-17796-2

Matrix: Solid | Lab File ID: 21204015.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.19(g) | Date Analyzed: 12/04/2012 14:29

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	72		45-105
367-12-4	2-Fluorophenol (Surr)	61		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	79		35-100
4165-62-2	Phenol-d5 (Surr)	77		40-100
1718-51-0	Terphenyl-d14 (Surr)	77		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	61		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D
Lims ID: 240-17796-B-2-B
Client ID: 076SS-0022M-0001-SO
Inject. Date: 04-Dec-2012 14:29:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015502-015
Misc. Info.: 240-17796-b-2-b
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 15
Lims Batch ID: 67225
Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:46:36
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: XAWRK027

First Level Reviewer: gruberj
Date: 04-Dec-2012 14:54:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.791	5.769	0.022	90	174931	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	96	661462	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	90	392044	4.00	
* 4 Phenanthrene-d10	188	9.642	9.647	-0.005	97	674675	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	735156	4.00	
* 6 Perylene-d12	264	14.113	14.118	-0.005	92	660157	4.00	
$ 7 2-Fluorophenol	112	4.978	4.486	0.492	94	493927	9.13	
$ 8 Phenol-d5	99	5.491	5.422	0.069	95	792047	11.5	
$ 9 Nitrobenzene-d5	82	6.272	6.267	0.005	87	456585	7.85	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	910743	7.16	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	92	148401	9.15	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	1042621	7.66	
41 Phenol	94		5.432					
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					9
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					9
63 Isophorone	82		6.486					9
65 2-Nitrophenol	139		6.561					
64 2,4-Dimethylphenol	107		6.582					
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					9
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.914	6.914	0.0	75	31263	0.1892	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					
85 2-Methylnaphthalene	142	7.508	7.508	0.0	58	14744	0.1395	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					9
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168	8.561	8.561	0.0	51	20873	0.1308	
119 Diethyl phthalate	149		8.727					
121 4-Chlorophenyl phenyl ether	204		8.839					9
124 Fluorene	166	8.850	8.850	0.0	64	17298	0.1350	
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					9
146 Phenanthrene	178	9.663	9.663	0.0	94	108750	0.5900	
147 Anthracene	178	9.706	9.711	-0.005	56	13779	0.0752	
149 Carbazole	167	9.834	9.834	0.0	62	12451	0.0700	
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	71	31940	0.1599	
157 Fluoranthene	202	10.679	10.669	0.010	83	72633	0.3568	
160 Pyrene	202	10.867	10.866	0.001	95	51028	0.2175	
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	70	32867	0.4351	
175 Benzo[a]anthracene	228	12.102	12.107	-0.005	39	21740	0.1060	
176 Chrysene	228	12.150	12.150	0.0	42	20879	0.1068	
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	80	22561	0.1071	
181 Benzo[k]fluoranthene	252		13.594					M
182 Benzo[a]pyrene	252	14.033	14.038	-0.005	53	16037	0.1881	
186 Indeno[1,2,3-cd]pyrene	276		15.723					9
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276		16.135					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

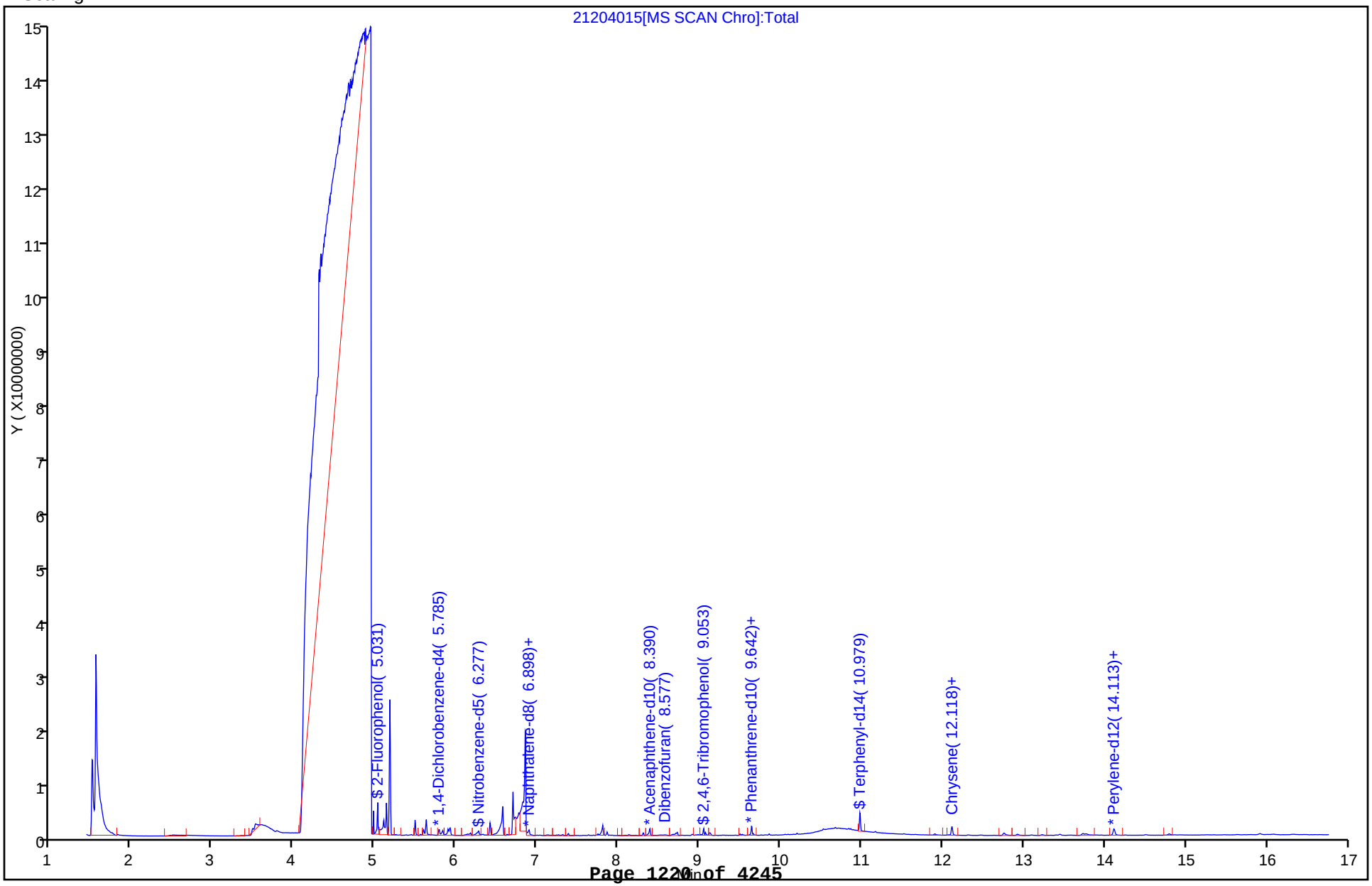
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

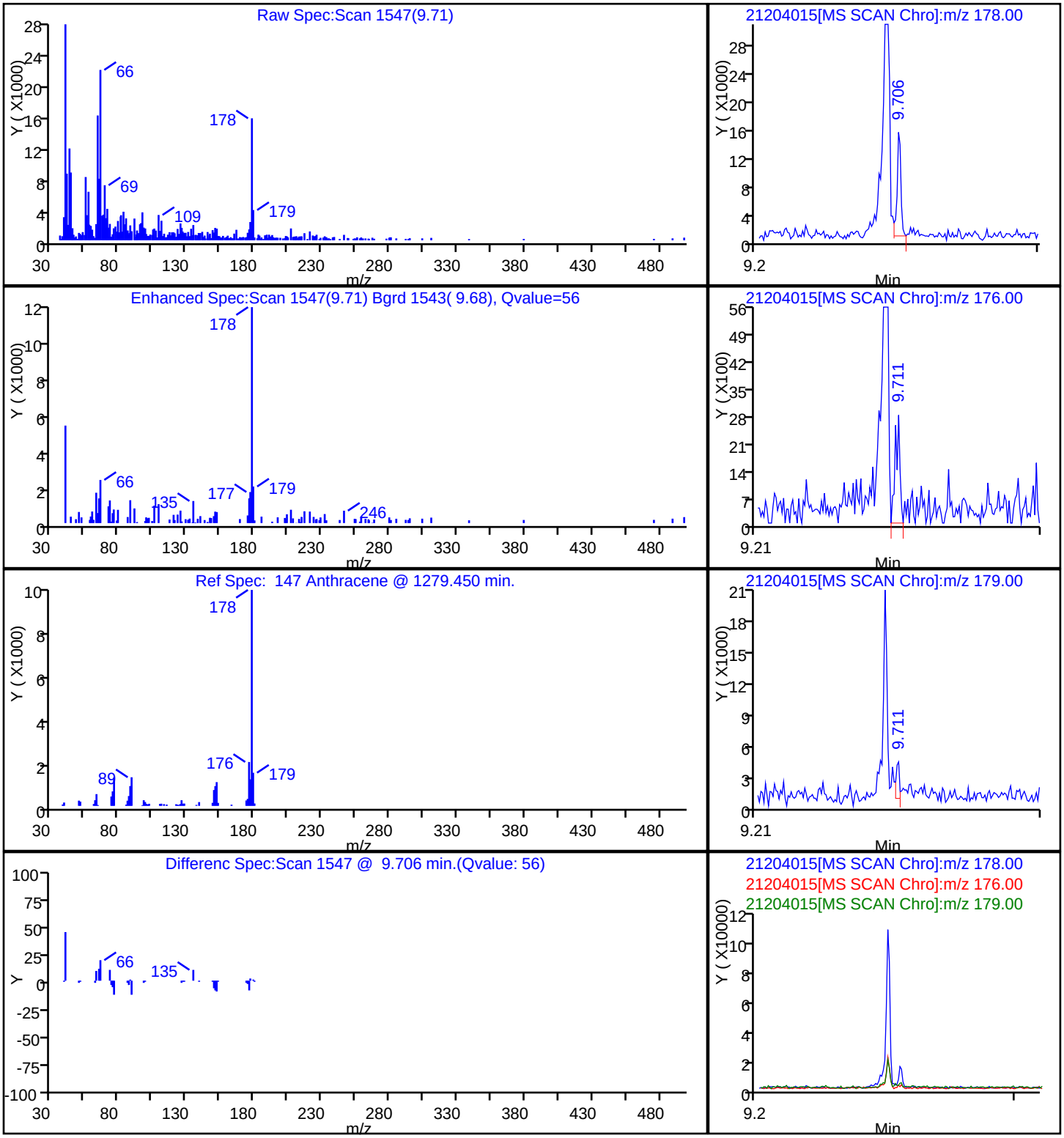


Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D		
Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

147 Anthracene



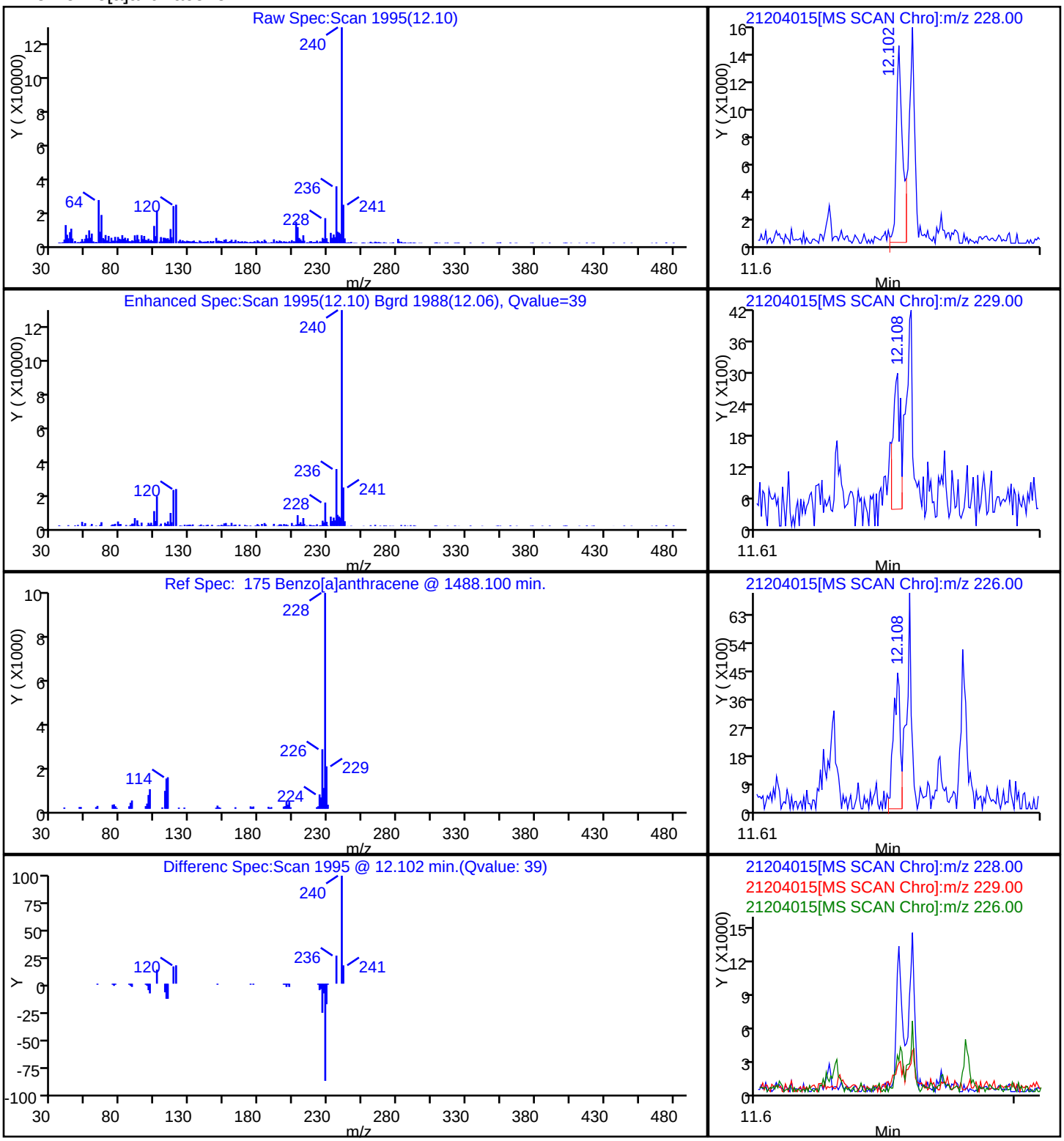
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene

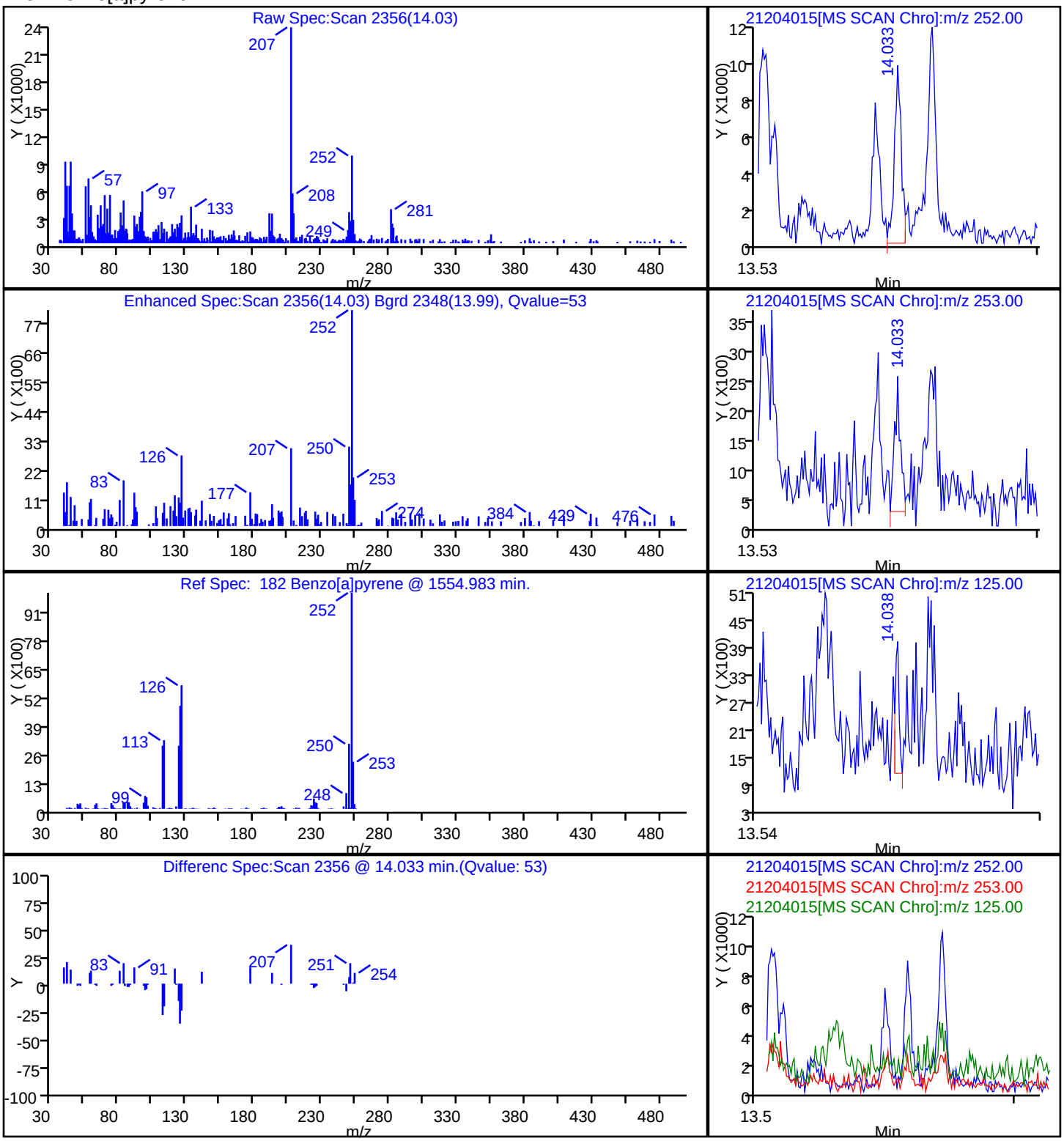


Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D		
Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



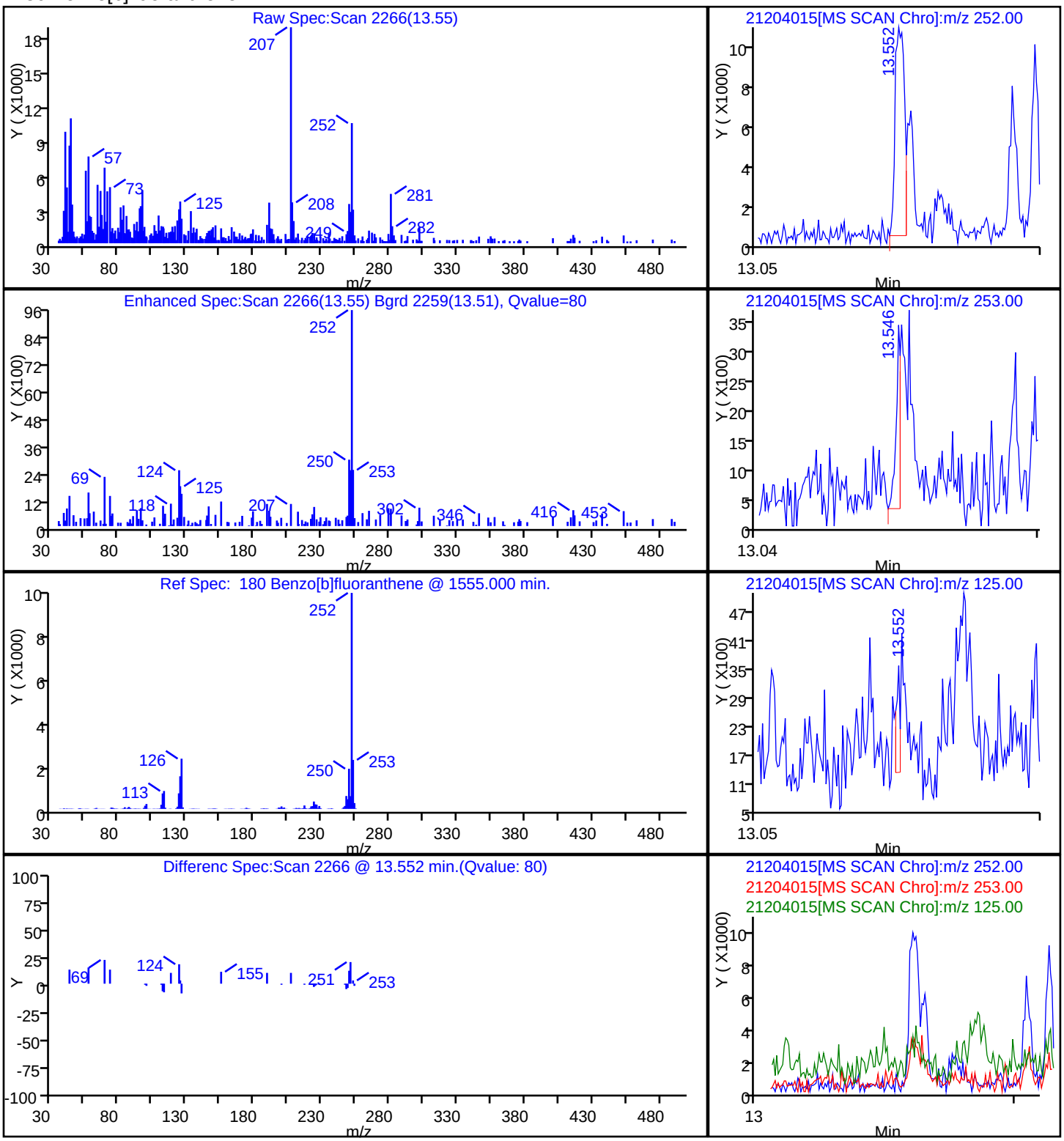
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene

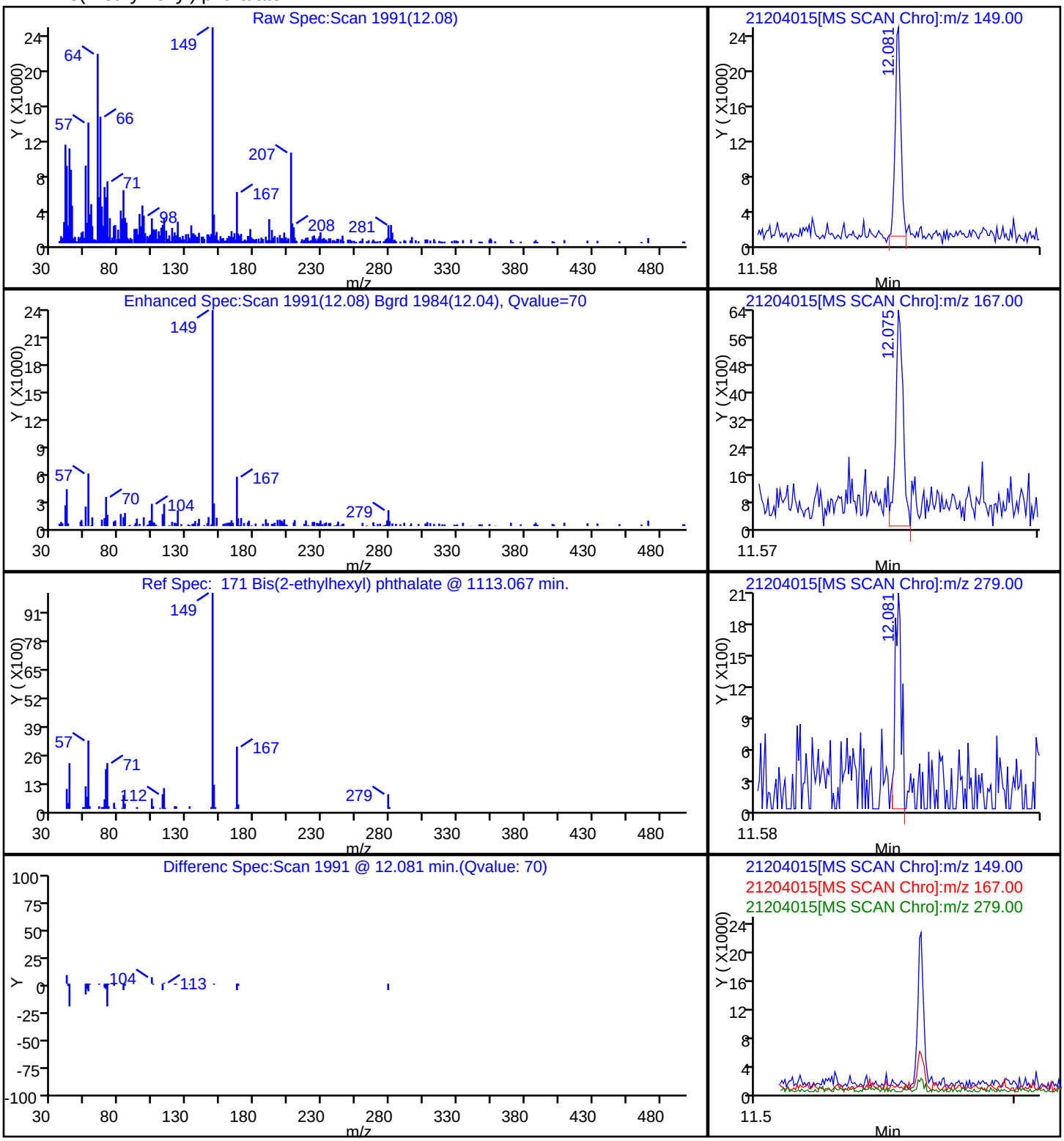


Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D		
Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate

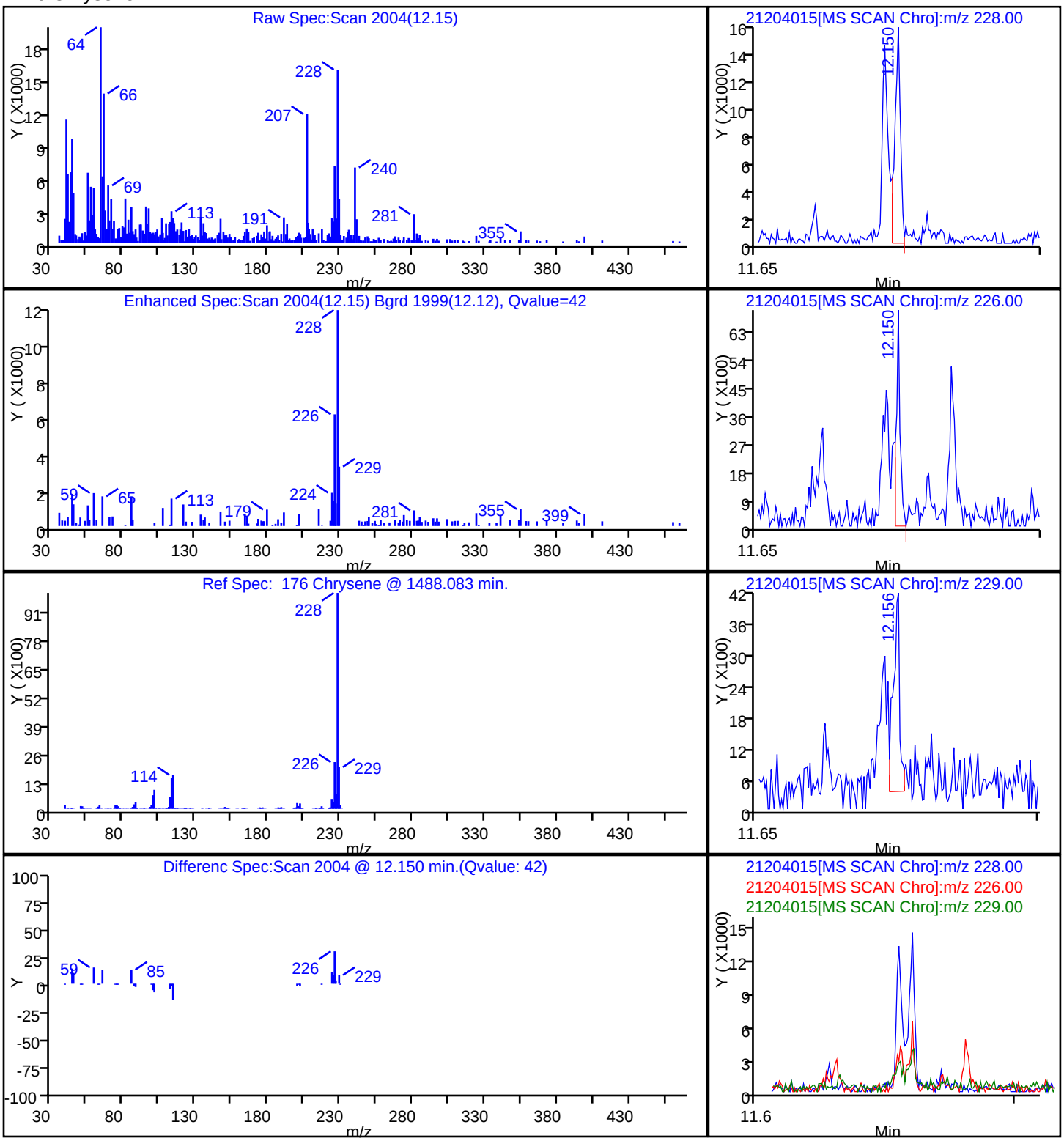


Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D		
Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene



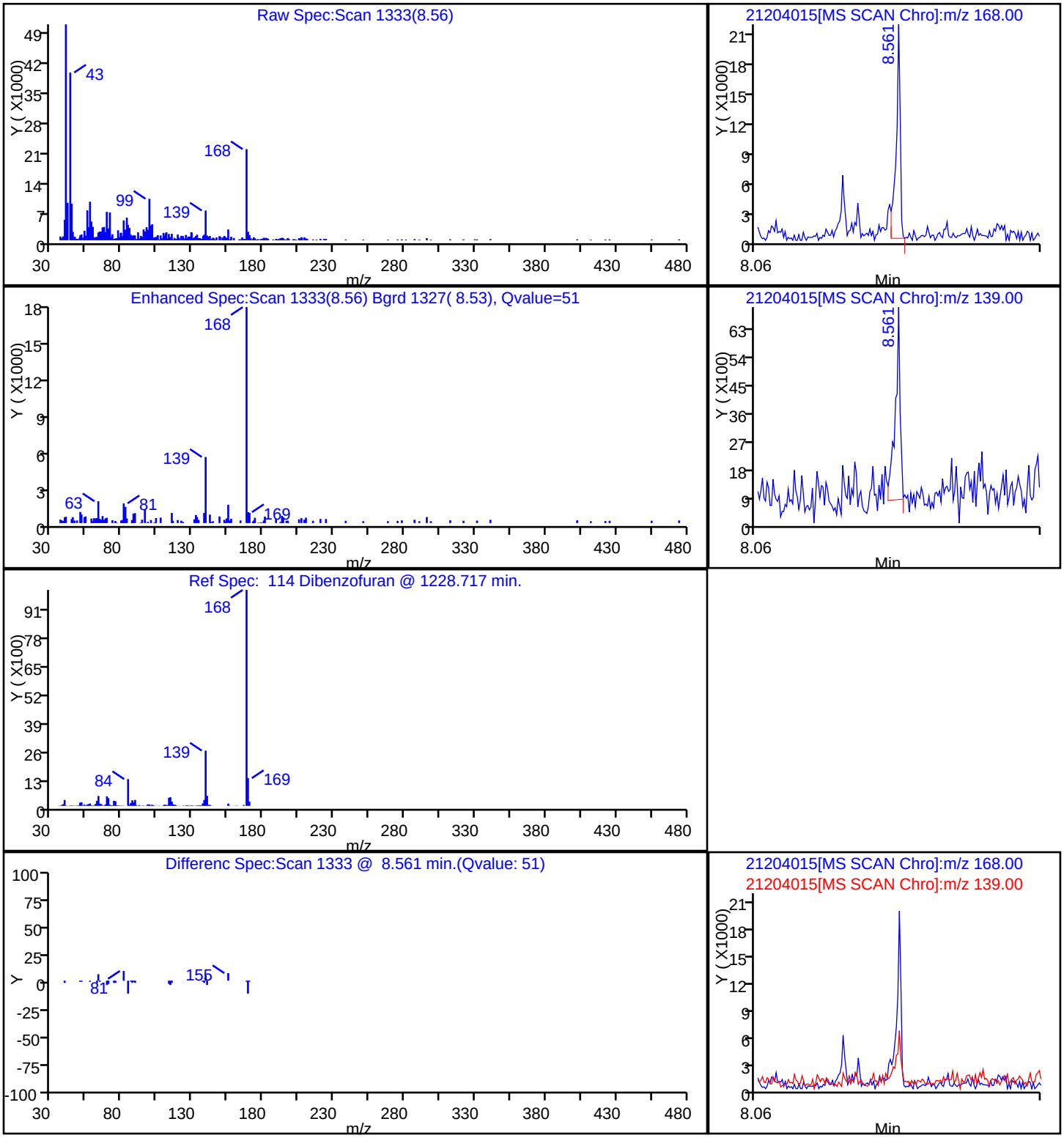
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

114 Dibenzofuran



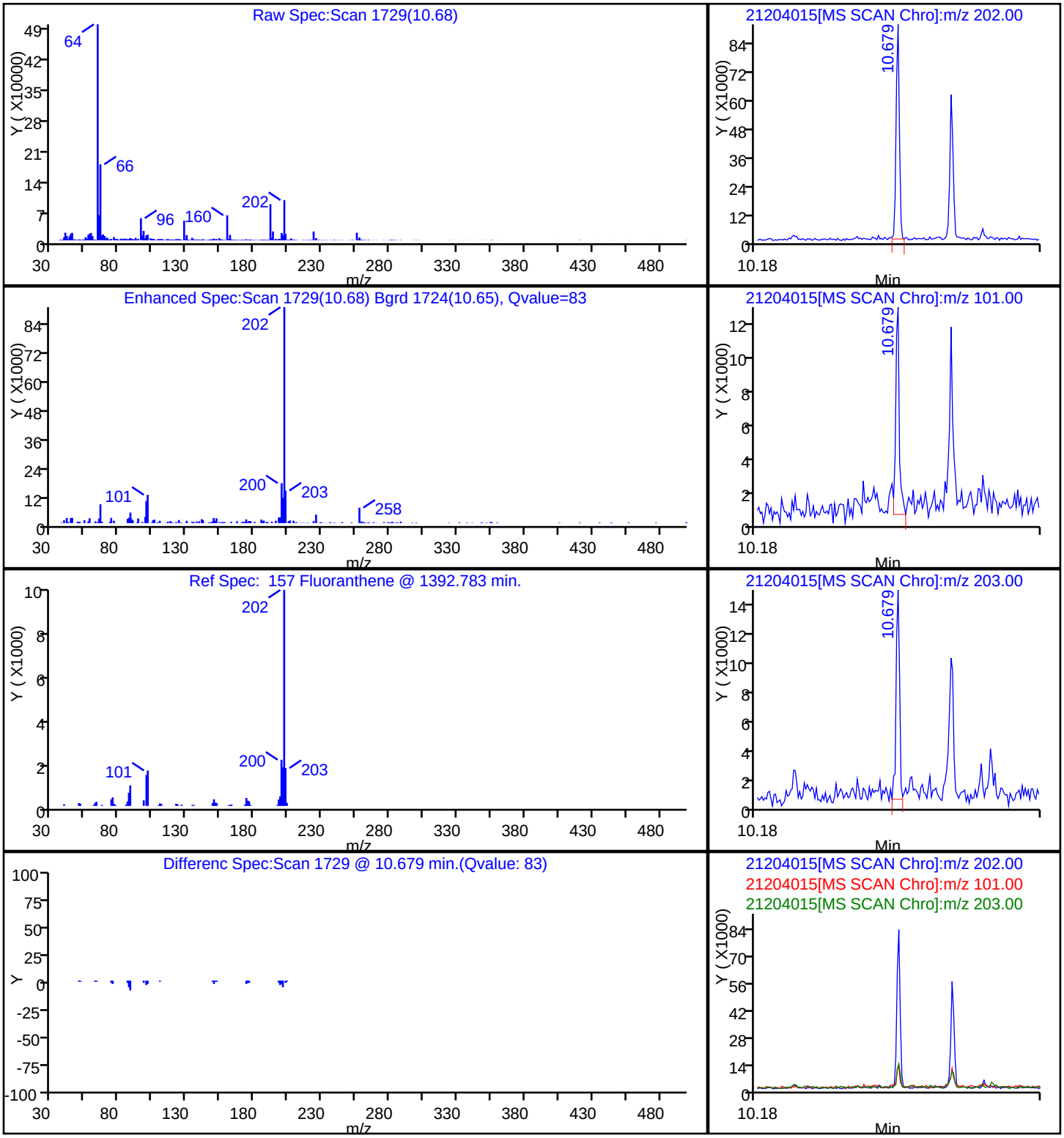
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



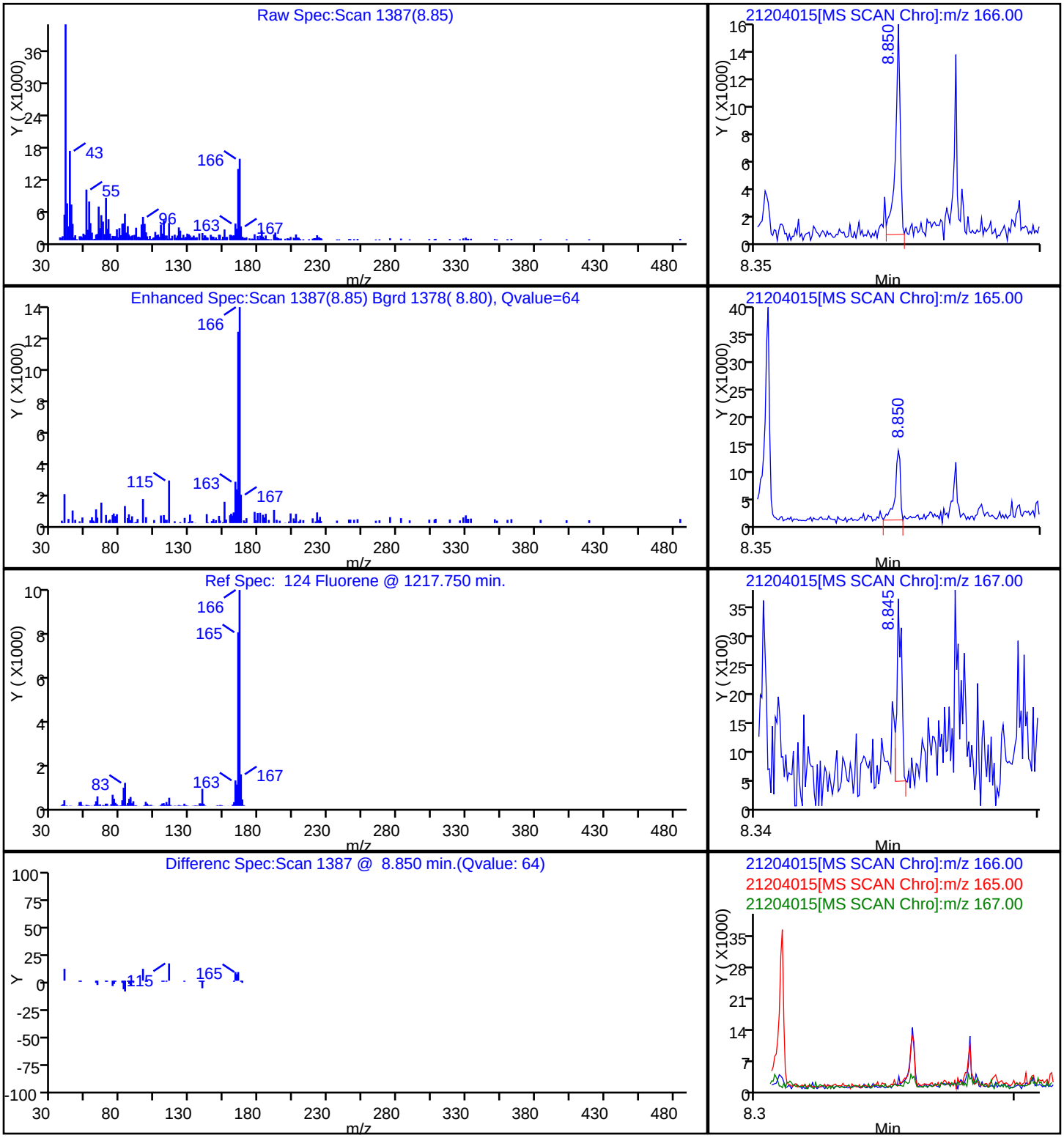
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene



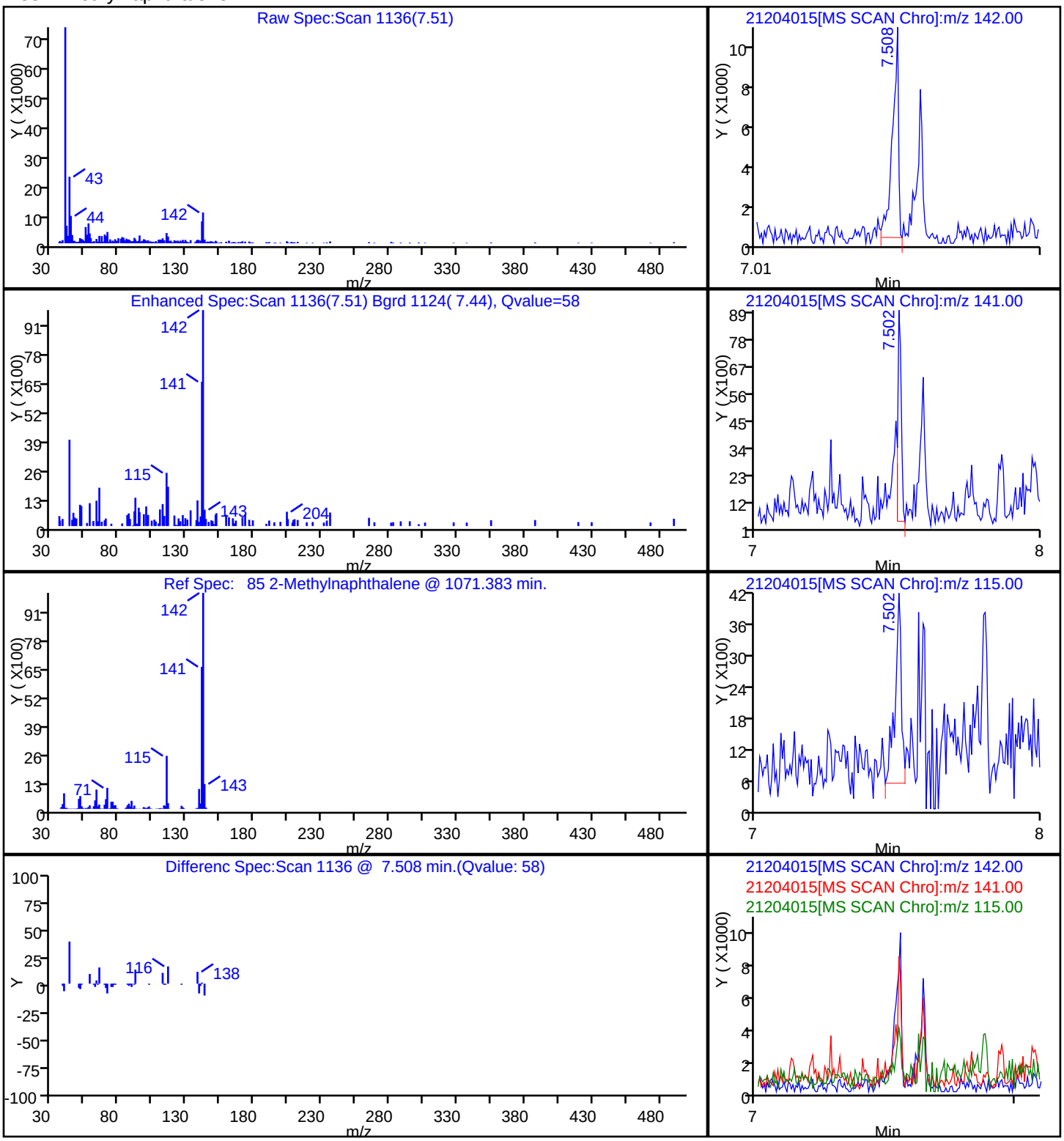
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



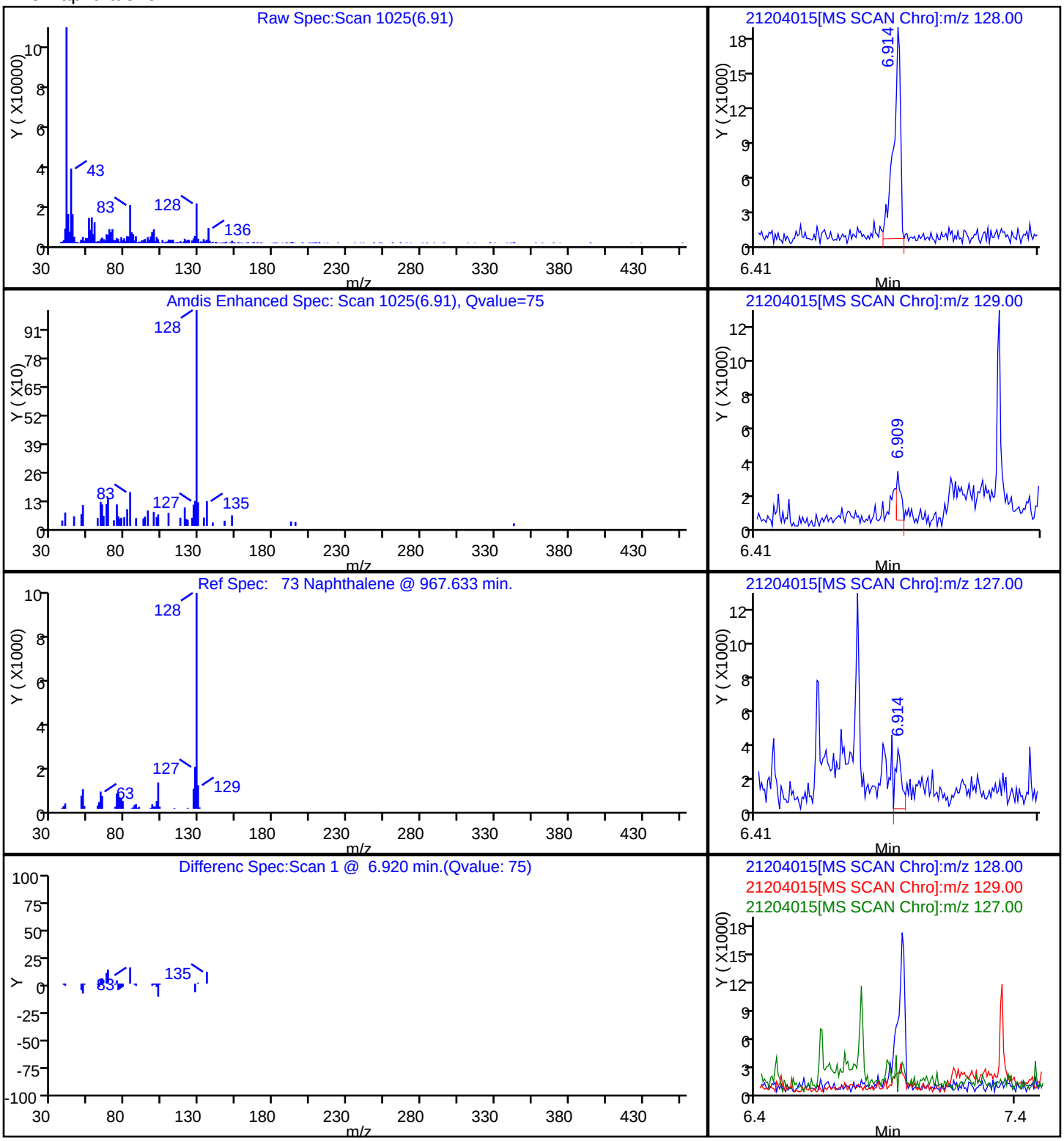
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene

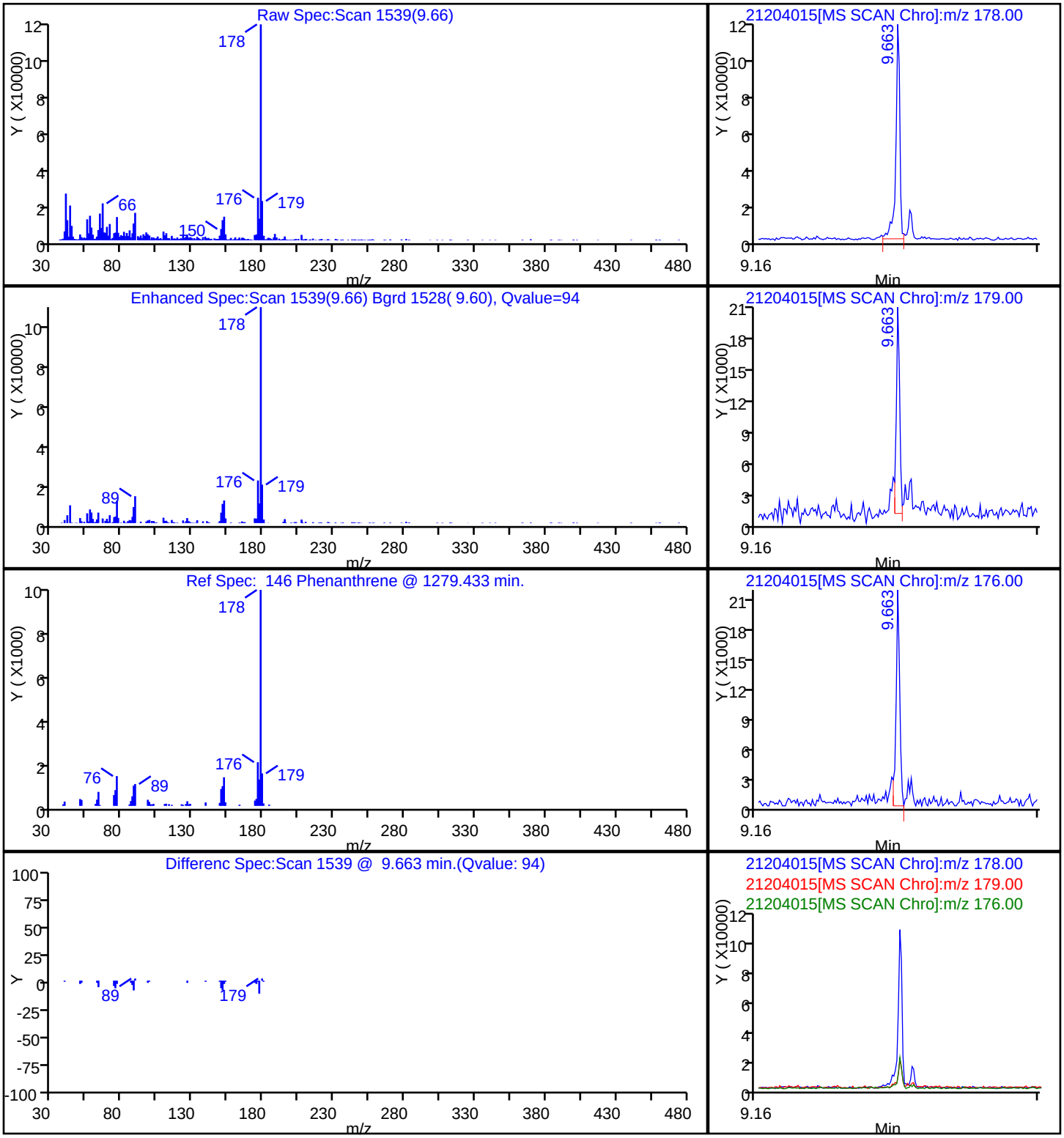


Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D		
Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	15
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



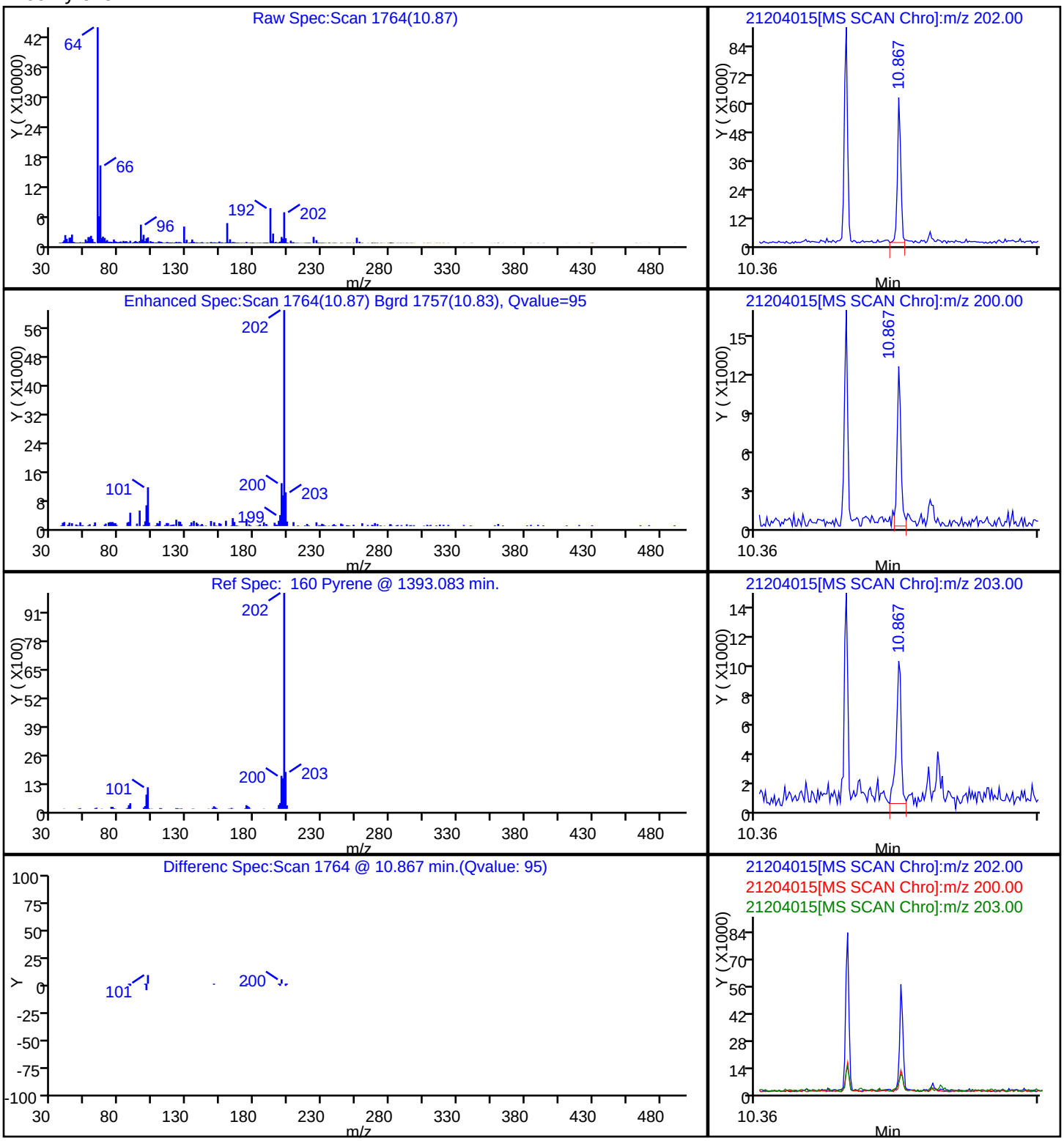
Report Date: 05-Dec-2012 13:46:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204015.D

Injection Date:	04-Dec-2012 14:29:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0022M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0024M-0001-SO | Lab Sample ID: 240-17796-3

Matrix: Solid | Lab File ID: 21205024.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:20

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/05/2012 18:04

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.: 67390 | 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	58	J	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0024M-0001-SO | Lab Sample ID: 240-17796-3

Matrix: Solid | Lab File ID: 21205024.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:20

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/05/2012 18:04

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.: 67390 | 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	8.2	U	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	8.2	U	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	8.2	U	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	65
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	8.2	U	17	8.2	8.2
108-95-2	Phenol	67	U	120	67	67
129-00-0	Pyrene	8.2	U	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0024M-0001-SO | Lab Sample ID: 240-17796-3

Matrix: Solid | Lab File ID: 21205024.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:20

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/05/2012 18:04

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.: 67390 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		45-105
367-12-4	2-Fluorophenol (Surr)	65		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	64		35-100
4165-62-2	Phenol-d5 (Surr)	66		40-100
1718-51-0	Terphenyl-d14 (Surr)	69		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	51		35-125

Report Date: 06-Dec-2012 08:49:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205024.D		
Lims ID:	240-17796-E-3-B	Client ID:	076SB-0024M-0001-SO
Inject. Date:	05-Dec-2012 18:04:30	Dil. Factor:	2.5000
Sample Type:	Client		
Sample ID:	240-0015541-024		
Misc. Info.:	240-17796-e-3-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	67390	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 08:49:41	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:	XAWRK028		

First Level Reviewer: gruberj Date: 06-Dec-2012 08:48:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.741	5.730	0.010	95	192670	4.00	
* 2 Naphthalene-d8	136	6.858	6.859	-0.001	100	728616	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	92	428730	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	98	739455	4.00	
* 5 Chrysene-d12	240	12.052	12.057	-0.005	94	742109	4.00	
* 6 Perylene-d12	264	14.031	14.036	-0.005	91	646841	4.00	
$ 7 2-Fluorophenol	112	4.548	4.430	0.118	92	232645	3.91	
$ 8 Phenol-d5	99	5.398	5.382	0.016	95	298021	3.94	
$ 9 Nitrobenzene-d5	82	6.233	6.227	0.006	87	163374	2.55	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	99	348025	2.50	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	90	54417	3.07	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	99	380674	2.77	
41 Phenol	94		5.393					9
44 Bis(2-chloroethyl)ether	93		5.484					9
46 2-Chlorophenol	128		5.532					
47 1,3-Dichlorobenzene	146		5.677					9
48 1,4-Dichlorobenzene	146		5.746					9
49 Benzyl alcohol	108		5.853					24
50 1,2-Dichlorobenzene	146		5.885					
51 2-Methylphenol	108		5.944					9
52 2,2'-oxybis[1-chloropropane]	45		5.976					
191 3 & 4 Methylphenol	108		6.078					
56 N-Nitrosodi-n-propylamine	70		6.088					
60 Hexachloroethane	117		6.190					9
61 Nitrobenzene	77		6.243					
63 Isophorone	82		6.452					
65 2-Nitrophenol	139		6.522					9
64 2,4-Dimethylphenol	107		6.548					
69 Benzoic acid	122		6.618					9
68 Bis(2-chloroethoxy)methane	93		6.634					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.730					
72 1,2,4-Trichlorobenzene	180		6.805					
73 Naphthalene	128		6.875					9
74 4-Chloroaniline	127		6.912					9
77 Hexachlorobutadiene	225		6.976					
84 4-Chloro-3-methylphenol	107		7.313					9
85 2-Methylnaphthalene	142		7.468					
88 Hexachlorocyclopentadiene	237		7.597					
90 2,4,6-Trichlorophenol	196		7.698					
91 2,4,5-Trichlorophenol	196		7.730					
98 2-Chloronaphthalene	162		7.880					
100 2-Nitroaniline	65		7.955					9
103 Dimethyl phthalate	163		8.099					
105 2,6-Dinitrotoluene	165		8.158					
107 Acenaphthylene	152		8.233					9
108 3-Nitroaniline	138		8.303					
110 Acenaphthene	153		8.378					9
109 2,4-Dinitrophenol	184		8.388					
111 4-Nitrophenol	109		8.426					9
112 2,4-Dinitrotoluene	165		8.495					9
114 Dibenzofuran	168		8.522					9
119 Diethyl phthalate	149		8.688					
121 4-Chlorophenyl phenyl ether	204		8.800					
124 Fluorene	166		8.811					
123 4-Nitroaniline	138		8.816					
126 4,6-Dinitro-2-methylphenol	198		8.838					
130 N-Nitrosodiphenylamine	169		8.896					
137 4-Bromophenyl phenyl ether	248		9.212					
139 Hexachlorobenzene	284		9.271					
141 Pentachlorophenol	266		9.431					
146 Phenanthrene	178		9.624					9
147 Anthracene	178		9.667					9
149 Carbazole	167		9.795					9
151 Di-n-butyl phthalate	149		10.057					
157 Fluoranthene	202		10.624					
160 Pyrene	202		10.822					
166 Butyl benzyl phthalate	149		11.389					9
173 3,3'-Dichlorobenzidine	252		11.999					
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	88	22022	0.3534	
175 Benzo[a]anthracene	228		12.041					9
176 Chrysene	228		12.090					9
178 Di-n-octyl phthalate	149		12.881					
180 Benzo[b]fluoranthene	252		13.475					
181 Benzo[k]fluoranthene	252		13.518					
182 Benzo[a]pyrene	252		13.951					
186 Indeno[1,2,3-cd]pyrene	276		15.630					9
187 Dibenz(a,h)anthracene	278		15.657					9
188 Benzo[g,h,i]perylene	276		16.031					9

QC Flag Legend

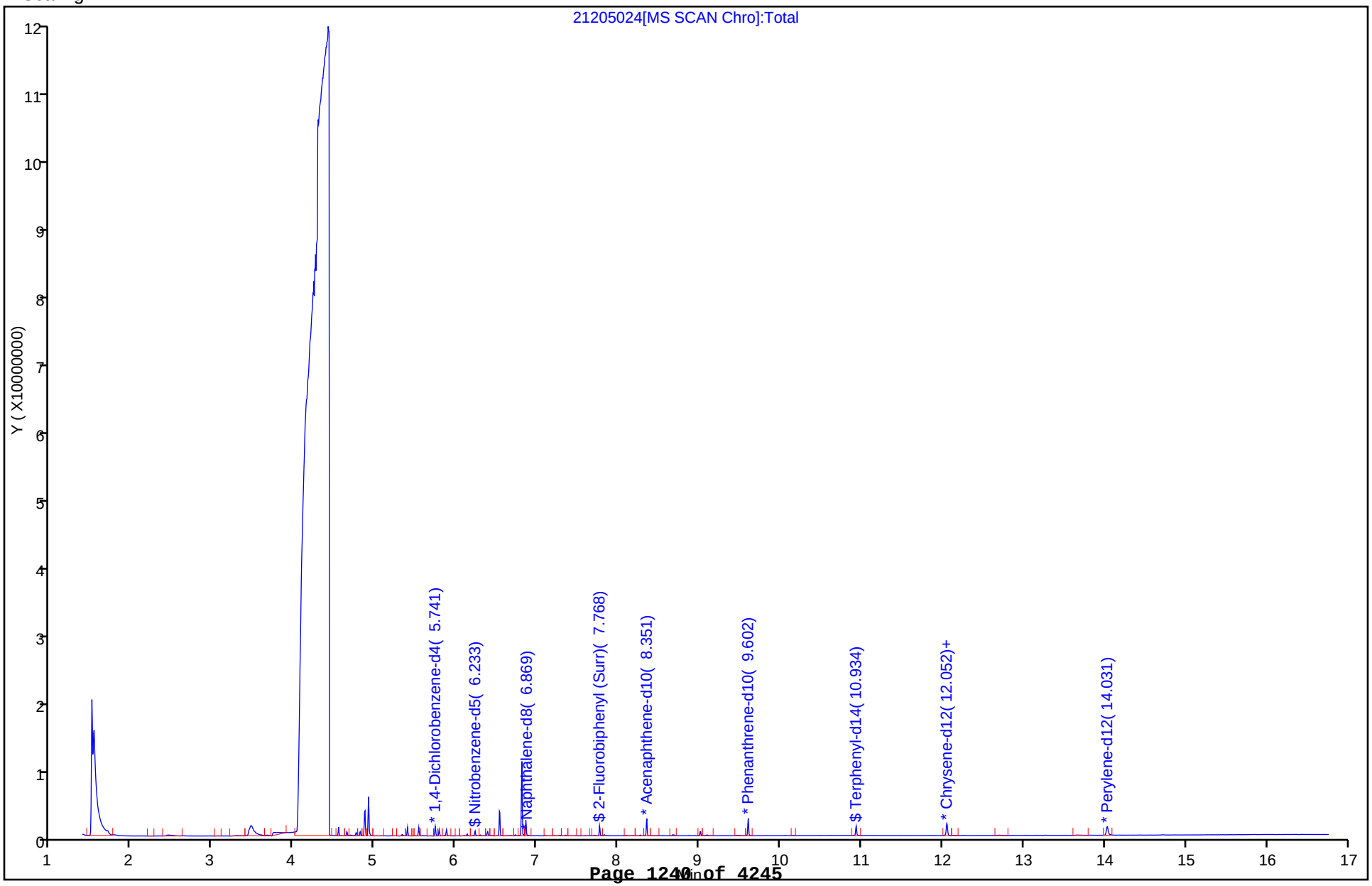
Processing Flags
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Report Date: 06-Dec-2012 08:49:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205024.D		
Injection Date:	05-Dec-2012 18:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0024M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

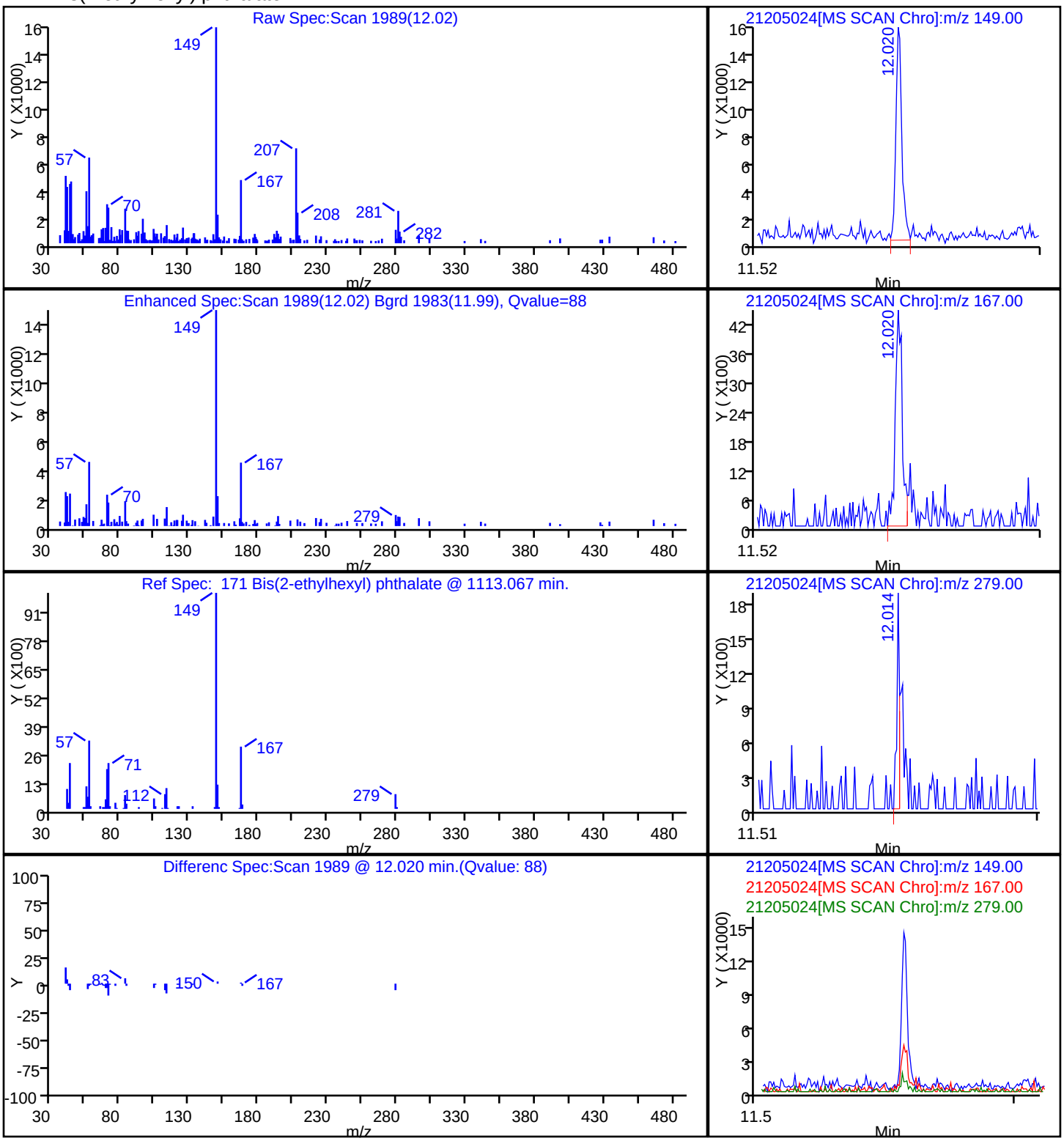


Report Date: 06-Dec-2012 08:49:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205024.D		
Injection Date:	05-Dec-2012 18:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0024M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	24
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0025M-0001-SO | Lab Sample ID: 240-17796-4

Matrix: Solid | Lab File ID: 21205025.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/05/2012 18:27

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.: 67390 | 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	48	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	8.3	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0025M-0001-SO | Lab Sample ID: 240-17796-4

Matrix: Solid | Lab File ID: 21205025.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/05/2012 18:27

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.: 67390 | 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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0025M-0001-SO | Lab Sample ID: 240-17796-4

Matrix: Solid | Lab File ID: 21205025.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/05/2012 18:27

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.: 67390 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		45-105
367-12-4	2-Fluorophenol (Surr)	65		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	61		35-100
4165-62-2	Phenol-d5 (Surr)	66		40-100
1718-51-0	Terphenyl-d14 (Surr)	75		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	67		35-125

Report Date: 06-Dec-2012 08:49:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205025.D		
Lims ID:	240-17796-E-4-B	Client ID:	076SB-0025M-0001-SO
Inject. Date:	05-Dec-2012 18:27:30	Dil. Factor:	2.5000
Sample Type:	Client		
Sample ID:	240-0015541-025		
Misc. Info.:	240-17796-e-4-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	67390	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 08:49:41	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:	XAWRK028		

First Level Reviewer: gruberj Date: 06-Dec-2012 08:48:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.735	5.730	0.005	96	199749	4.00	
* 2 Naphthalene-d8	136	6.859	6.859	-0.001	99	750006	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	91	432719	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	98	742927	4.00	
* 5 Chrysene-d12	240	12.052	12.057	-0.005	97	734600	4.00	
* 6 Perylene-d12	264	14.031	14.036	-0.005	92	634198	4.00	
$ 7 2-Fluorophenol	112	4.516	4.430	0.086	94	240692	3.90	
$ 8 Phenol-d5	99	5.393	5.382	0.011	90	310076	3.96	
$ 9 Nitrobenzene-d5	82	6.227	6.227	0.0	88	161699	2.45	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	99	351335	2.50	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	88	71841	4.01	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	99	410414	3.02	
41 Phenol	94		5.393					9
44 Bis(2-chloroethyl)ether	93		5.484					9
46 2-Chlorophenol	128		5.532					
47 1,3-Dichlorobenzene	146		5.677					9
48 1,4-Dichlorobenzene	146		5.746					9
49 Benzyl alcohol	108		5.853					
50 1,2-Dichlorobenzene	146		5.885					
51 2-Methylphenol	108		5.944					9
52 2,2'-oxybis[1-chloropropane]	45		5.976					
191 3 & 4 Methylphenol	108		6.078					
56 N-Nitrosodi-n-propylamine	70		6.088					
60 Hexachloroethane	117		6.190					9
61 Nitrobenzene	77		6.243					9
63 Isophorone	82		6.452					
65 2-Nitrophenol	139		6.522					9
64 2,4-Dimethylphenol	107		6.548					9
69 Benzoic acid	122		6.618					9
68 Bis(2-chloroethoxy)methane	93		6.634					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.730					
72 1,2,4-Trichlorobenzene	180		6.805					
73 Naphthalene	128		6.875					
74 4-Chloroaniline	127		6.912					9
77 Hexachlorobutadiene	225		6.976					
84 4-Chloro-3-methylphenol	107		7.313					
85 2-Methylnaphthalene	142		7.468					
88 Hexachlorocyclopentadiene	237		7.597					
90 2,4,6-Trichlorophenol	196		7.698					
91 2,4,5-Trichlorophenol	196		7.730					
98 2-Chloronaphthalene	162		7.880					
100 2-Nitroaniline	65		7.955					9
103 Dimethyl phthalate	163		8.099					9
105 2,6-Dinitrotoluene	165		8.158					
107 Acenaphthylene	152		8.233					9
108 3-Nitroaniline	138		8.303					9
110 Acenaphthene	153		8.378					9
109 2,4-Dinitrophenol	184		8.388					
111 4-Nitrophenol	109		8.426					9
112 2,4-Dinitrotoluene	165		8.495					
114 Dibenzofuran	168		8.522					
119 Diethyl phthalate	149		8.688					
121 4-Chlorophenyl phenyl ether	204		8.800					
124 Fluorene	166		8.811					9
123 4-Nitroaniline	138		8.816					
126 4,6-Dinitro-2-methylphenol	198		8.838					
130 N-Nitrosodiphenylamine	169		8.896					
137 4-Bromophenyl phenyl ether	248		9.212					
139 Hexachlorobenzene	284		9.271					
141 Pentachlorophenol	266		9.431					
146 Phenanthrene	178		9.624					
147 Anthracene	178		9.667					9
149 Carbazole	167		9.795					9
151 Di-n-butyl phthalate	149		10.057					
157 Fluoranthene	202		10.624					
160 Pyrene	202		10.822					
166 Butyl benzyl phthalate	149		11.389					9
173 3,3'-Dichlorobenzidine	252		11.999					
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	60	12971	0.2880	
175 Benzo[a]anthracene	228		12.041					9
176 Chrysene	228		12.090					9
178 Di-n-octyl phthalate	149		12.881					
180 Benzo[b]fluoranthene	252		13.475					
181 Benzo[k]fluoranthene	252		13.518					
182 Benzo[a]pyrene	252		13.951					
186 Indeno[1,2,3-cd]pyrene	276		15.630					9
187 Dibenz(a,h)anthracene	278		15.657					
188 Benzo[g,h,i]perylene	276		16.031					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

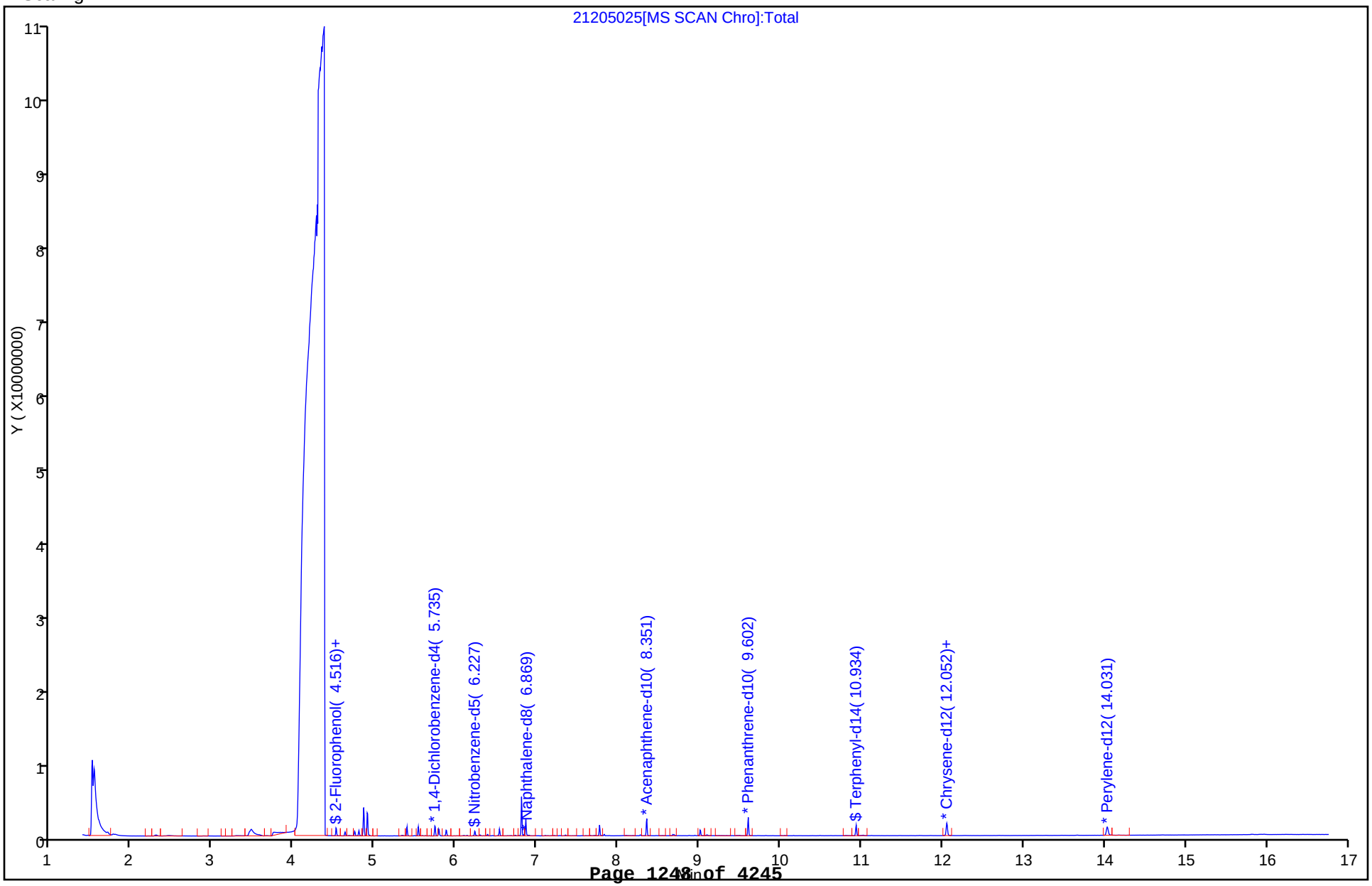
Report Date: 06-Dec-2012 08:49:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205025.D

Injection Date:	05-Dec-2012 18:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0025M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	25
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

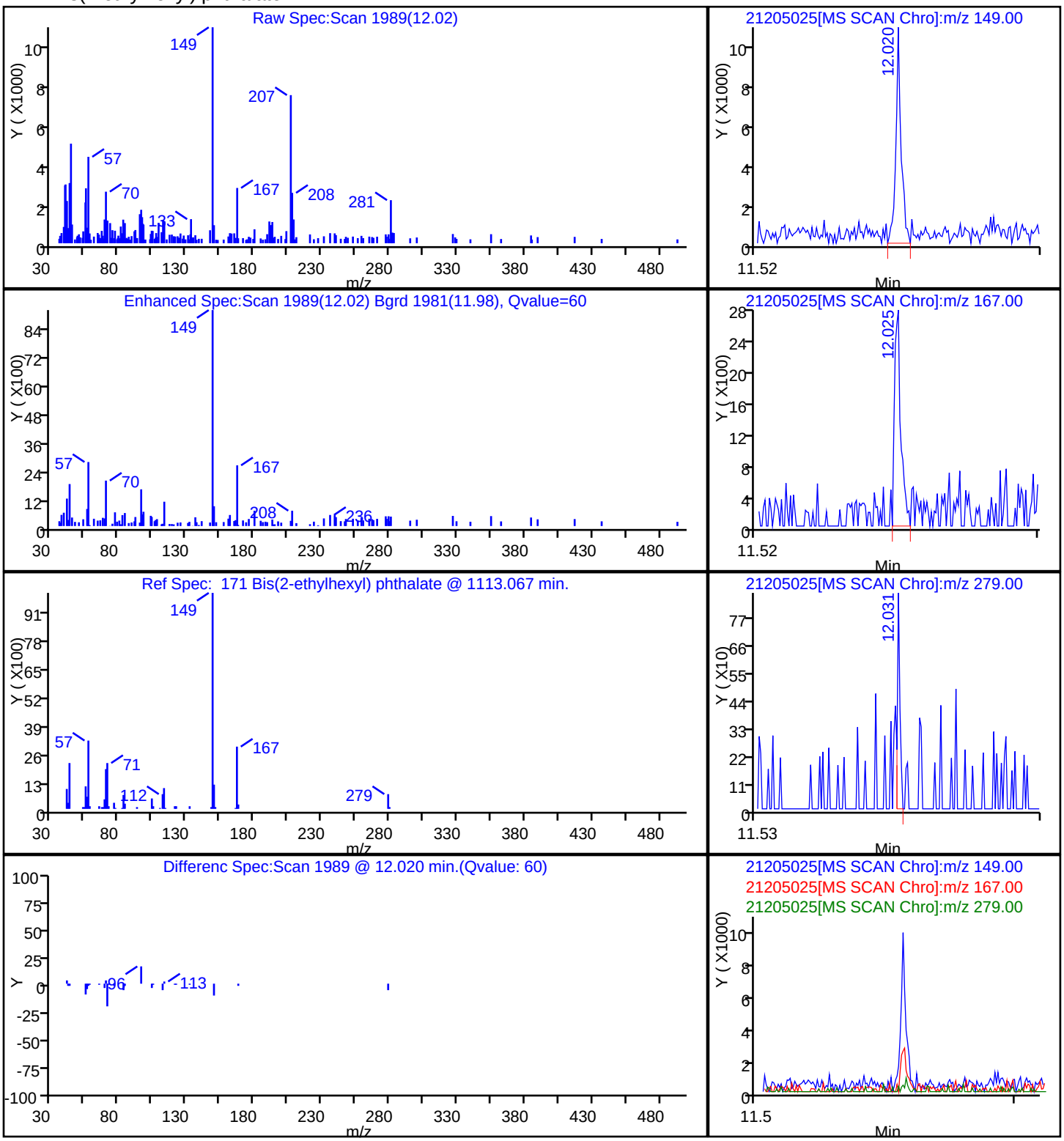


Report Date: 06-Dec-2012 08:49:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205025.D		
Injection Date:	05-Dec-2012 18:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0025M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	25
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0026M-0001-SO | Lab Sample ID: 240-17796-5

Matrix: Solid | Lab File ID: 21204023.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:20

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.57(g) | Date Analyzed: 12/04/2012 17:39

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.8	J	6.8	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.8	3.3	3.3
120-12-7	Anthracene	17		6.8	3.3	3.3
56-55-3	Benzo[a]anthracene	34		6.8	3.3	3.3
50-32-8	Benzo[a]pyrene	34		6.8	3.3	3.3
205-99-2	Benzo[b]fluoranthene	33		6.8	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	16		6.8	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	15	M	6.8	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	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	30	J	51	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	51	27	13
85-68-7	Butyl benzyl phthalate	27	U	51	27	10
86-74-8	Carbazole	27	U	51	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	51	3.3	3.3
95-57-8	2-Chlorophenol	27	U	51	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	51	27	13
218-01-9	Chrysene	33		6.8	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.8	3.3	3.3
132-64-9	Dibenzofuran	7.2	J	51	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	51	27	9.8
541-73-1	1,3-Dichlorobenzene	27	U	51	27	11
106-46-7	1,4-Dichlorobenzene	27	U	51	27	20
91-94-1	3,3'-Dichlorobenzidine	81	U	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	51	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	51	27	17
84-74-2	Di-n-butyl phthalate	27	U	51	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0026M-0001-SO | Lab Sample ID: 240-17796-5

Matrix: Solid | Lab File ID: 21204023.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:20

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.57(g) | Date Analyzed: 12/04/2012 17:39

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
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	51	27	27
206-44-0	Fluoranthene	91		6.8	3.3	3.3
86-73-7	Fluorene	9.8		6.8	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.8	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	51	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	51	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	19		6.8	3.3	3.3
78-59-1	Isophorone	27	U	51	27	13
91-57-6	2-Methylnaphthalene	8.0		6.8	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	410	81	20
91-20-3	Naphthalene	10		6.8	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	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	51	27	27
100-02-7	4-Nitrophenol	81	U	330	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	51	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	51	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	78		6.8	3.3	3.3
108-95-2	Phenol	27	U	51	27	27
129-00-0	Pyrene	65		6.8	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	51	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0026M-0001-SO | Lab Sample ID: 240-17796-5

Matrix: Solid | Lab File ID: 21204023.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:20

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.57(g) | Date Analyzed: 12/04/2012 17:39

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		45-105
367-12-4	2-Fluorophenol (Surr)	68		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	67		35-100
4165-62-2	Phenol-d5 (Surr)	70		40-100
1718-51-0	Terphenyl-d14 (Surr)	76		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	62		35-125

Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D		
Lims ID:	240-17796-E-5-B	Client ID:	076SB-0026M-0001-SO
Inject. Date:	04-Dec-2012 17:39:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015502-023		
Misc. Info.:	240-17796-e-5-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	67225	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		

First Level Reviewer: gruberj Date: 05-Dec-2012 13:45:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.791	5.769	0.022	94	166029	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	99	654060	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	91	395491	4.00	
* 4 Phenanthrene-d10	188	9.642	9.647	-0.005	98	697617	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	97	724737	4.00	
* 6 Perylene-d12	264	14.113	14.118	-0.005	92	655133	4.00	
$ 7 2-Fluorophenol	112	4.673	4.486	0.187	92	520236	10.1	
$ 8 Phenol-d5	99	5.454	5.422	0.032	95	685684	10.5	
$ 9 Nitrobenzene-d5	82	6.277	6.267	0.010	87	384596	6.69	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	782770	6.10	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	94	151579	9.26	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	1014242	7.56	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					
46 2-Chlorophenol	128		5.577					
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					9
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					9
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					9
60 Hexachloroethane	117		6.229					
61 Nitrobenzene	77		6.283					9
63 Isophorone	82	6.497	6.486	0.011	74	18015	0.1727	
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					
69 Benzoic acid	122		6.652					9
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.919	6.914	0.005	81	24158	0.1478	
74 4-Chloroaniline	127		6.951					9
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142	7.508	7.508	0.0	64	12428	0.1189	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153	8.417	8.417	0.0	70	9283	0.0856	
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168	8.561	8.561	0.0	84	17109	0.1063	
119 Diethyl phthalate	149	8.727	8.727	0.0	65	15500	0.1276	
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166	8.850	8.850	0.0	86	18814	0.1455	
123 4-Nitroaniline	138		8.855					9
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178	9.663	9.663	0.0	95	219477	1.15	
147 Anthracene	178	9.711	9.711	0.0	87	46211	0.2440	
149 Carbazole	167	9.834	9.834	0.0	77	25472	0.1385	
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	94	27593	0.1336	
157 Fluoranthene	202	10.669	10.669	0.0	96	284126	1.35	
160 Pyrene	202	10.867	10.866	0.001	97	223792	0.9677	
166 Butyl benzyl phthalate	149		11.439					9
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	88	32986	0.4395	
175 Benzo[a]anthracene	228	12.102	12.107	-0.005	90	101598	0.5023	
176 Chrysene	228	12.150	12.150	0.0	73	95370	0.4948	
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.557	13.551	0.006	92	101687	0.4866	
181 Benzo[k]fluoranthene	252	13.584	13.594	-0.010	96	49981	0.2201	M
182 Benzo[a]pyrene	252	14.033	14.038	-0.005	69	80938	0.4959	
186 Indeno[1,2,3-cd]pyrene	276	15.718	15.723	-0.005	93	46341	0.2804	
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276	16.130	16.135	-0.005	77	44851	0.2391	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

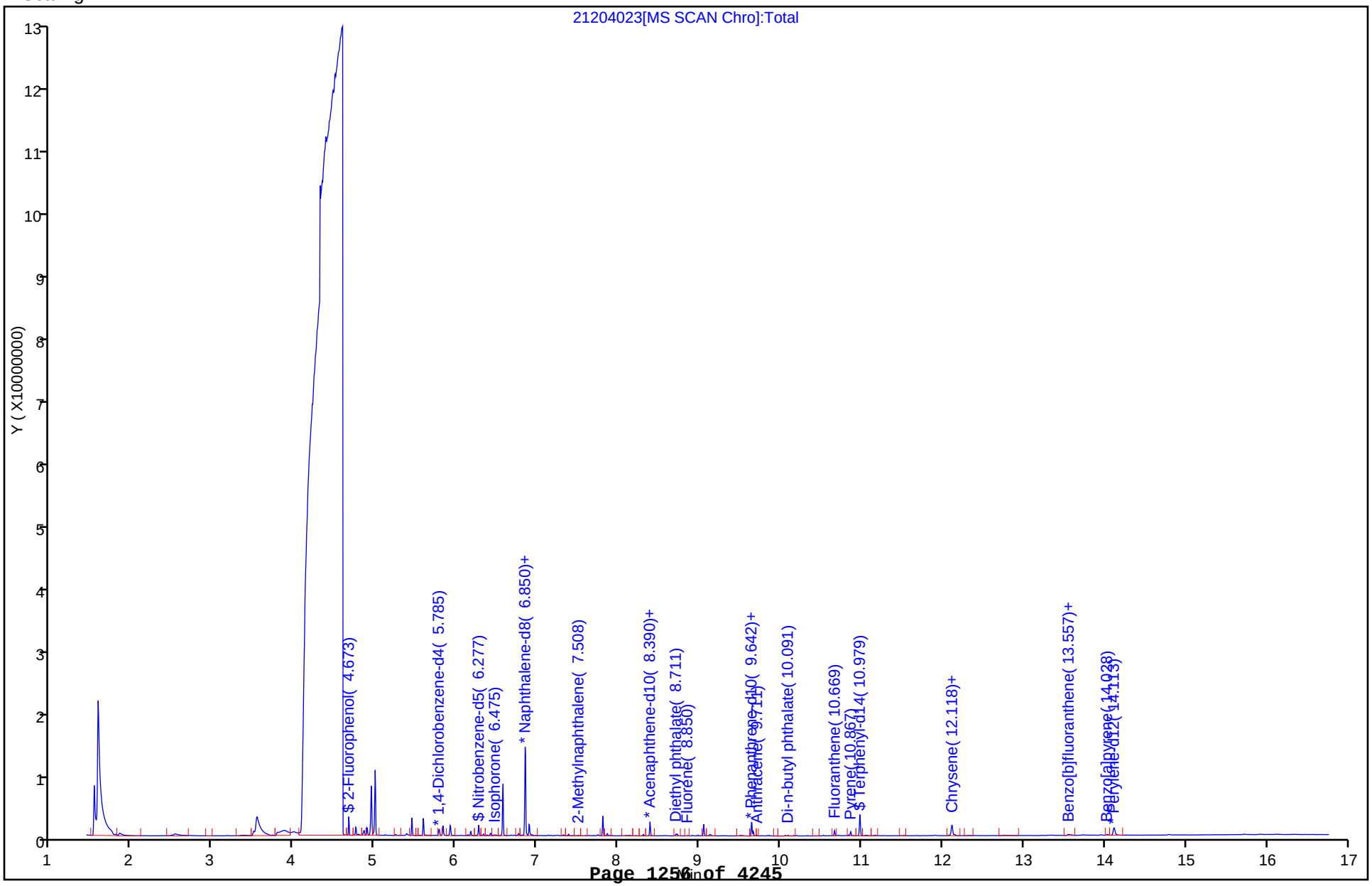
Review Flags
M - Manually Integrated

Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D		
Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



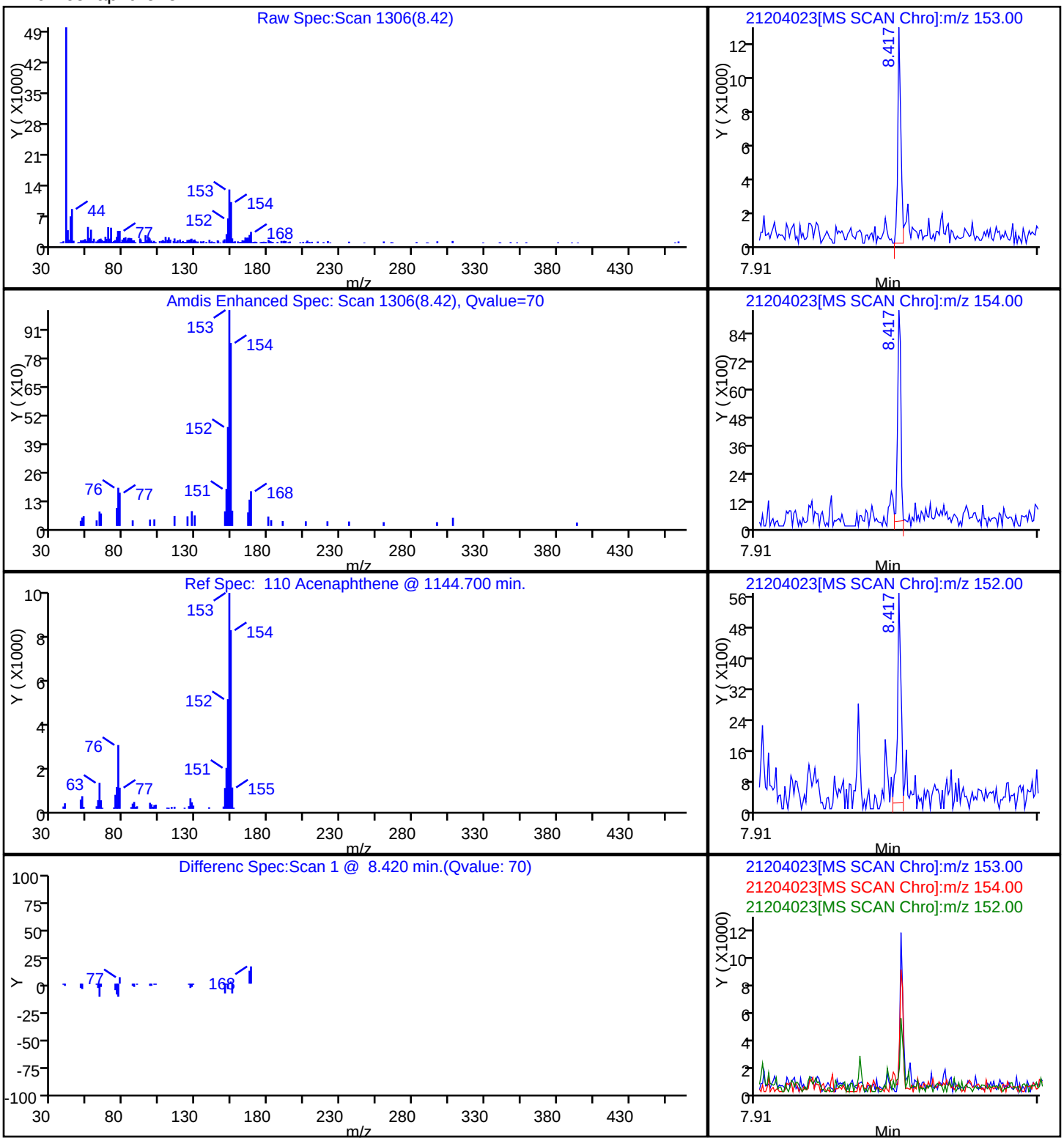
Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

110 Acenaphthene

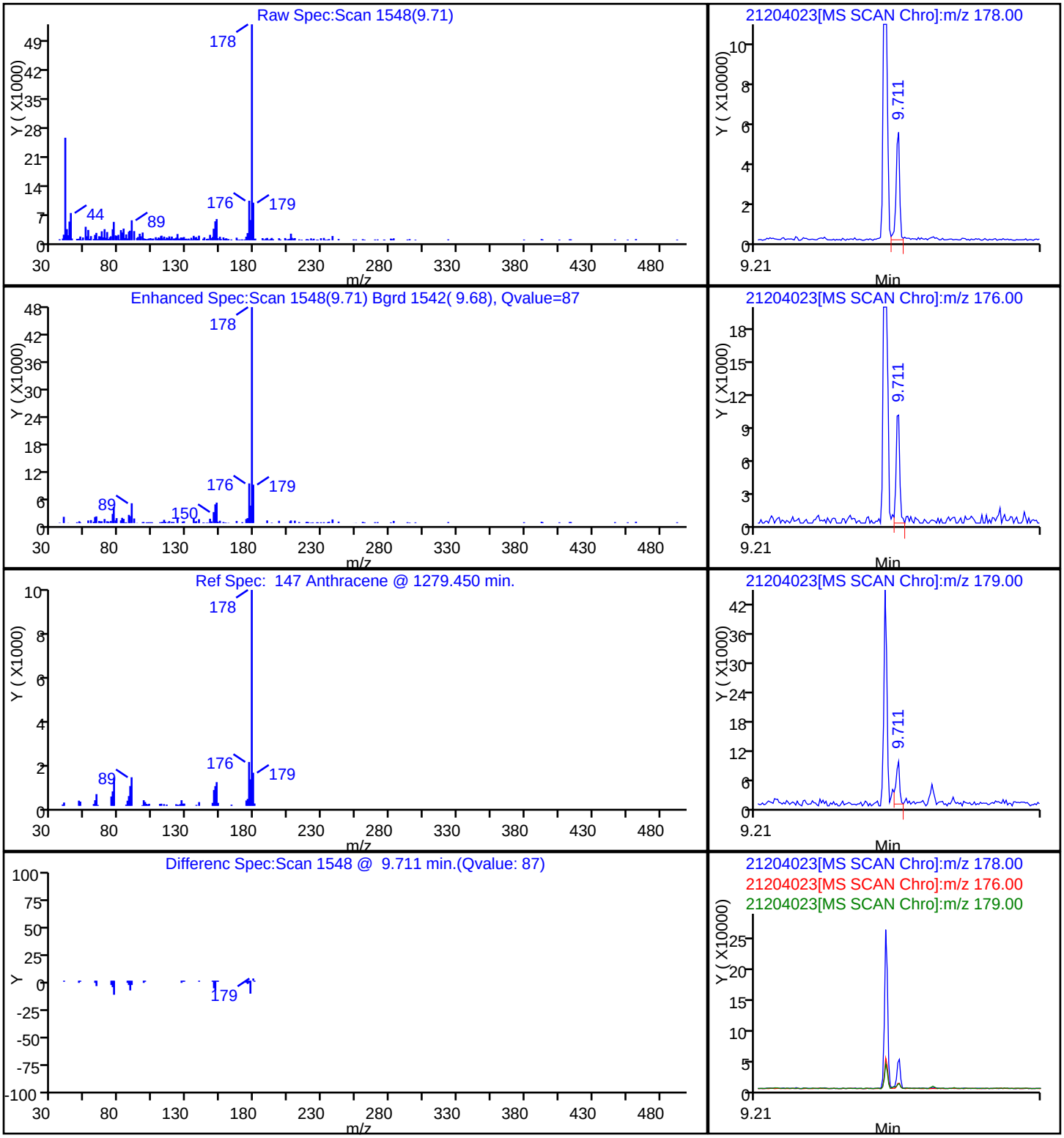


Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D		
Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

147 Anthracene



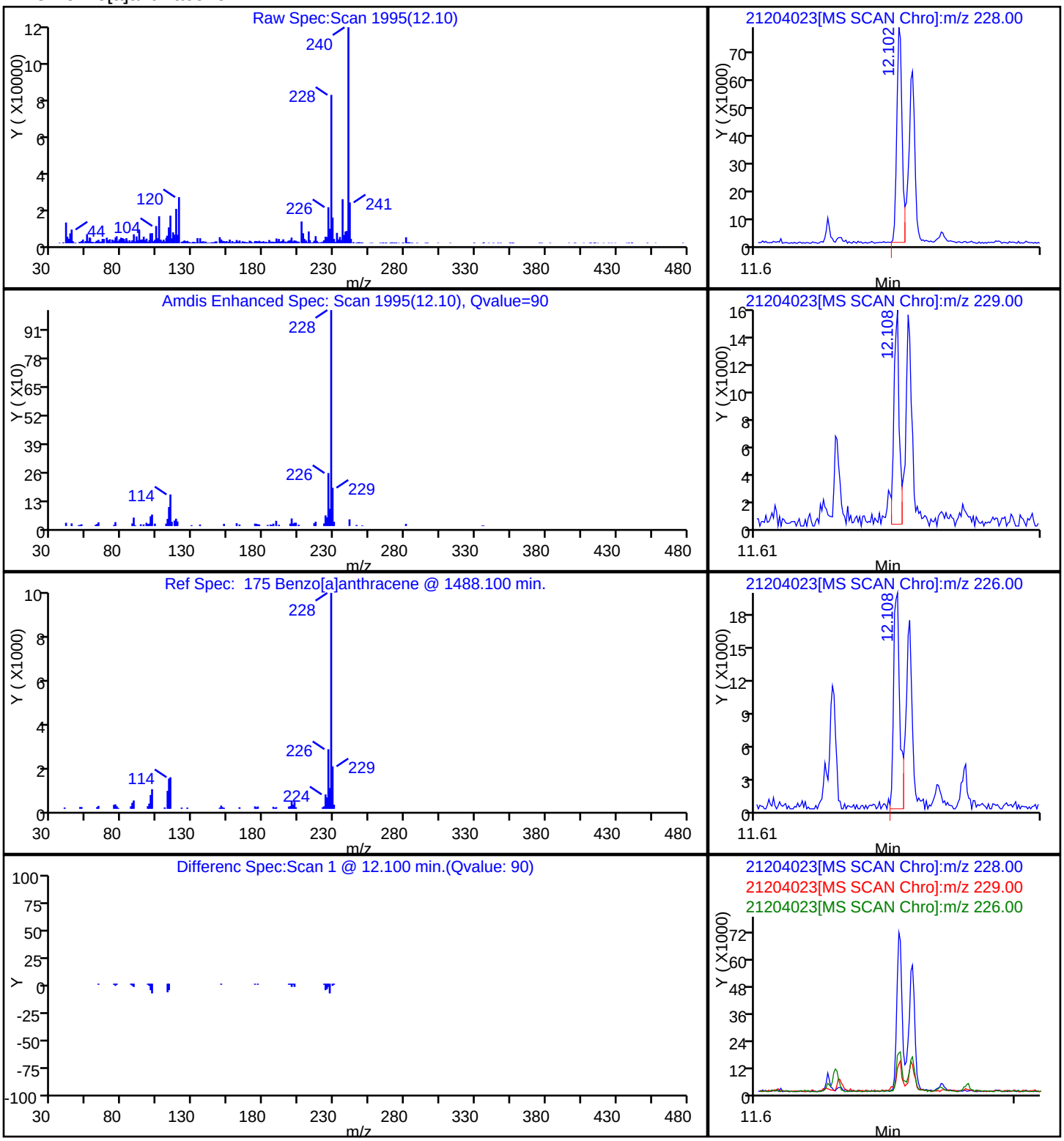
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene



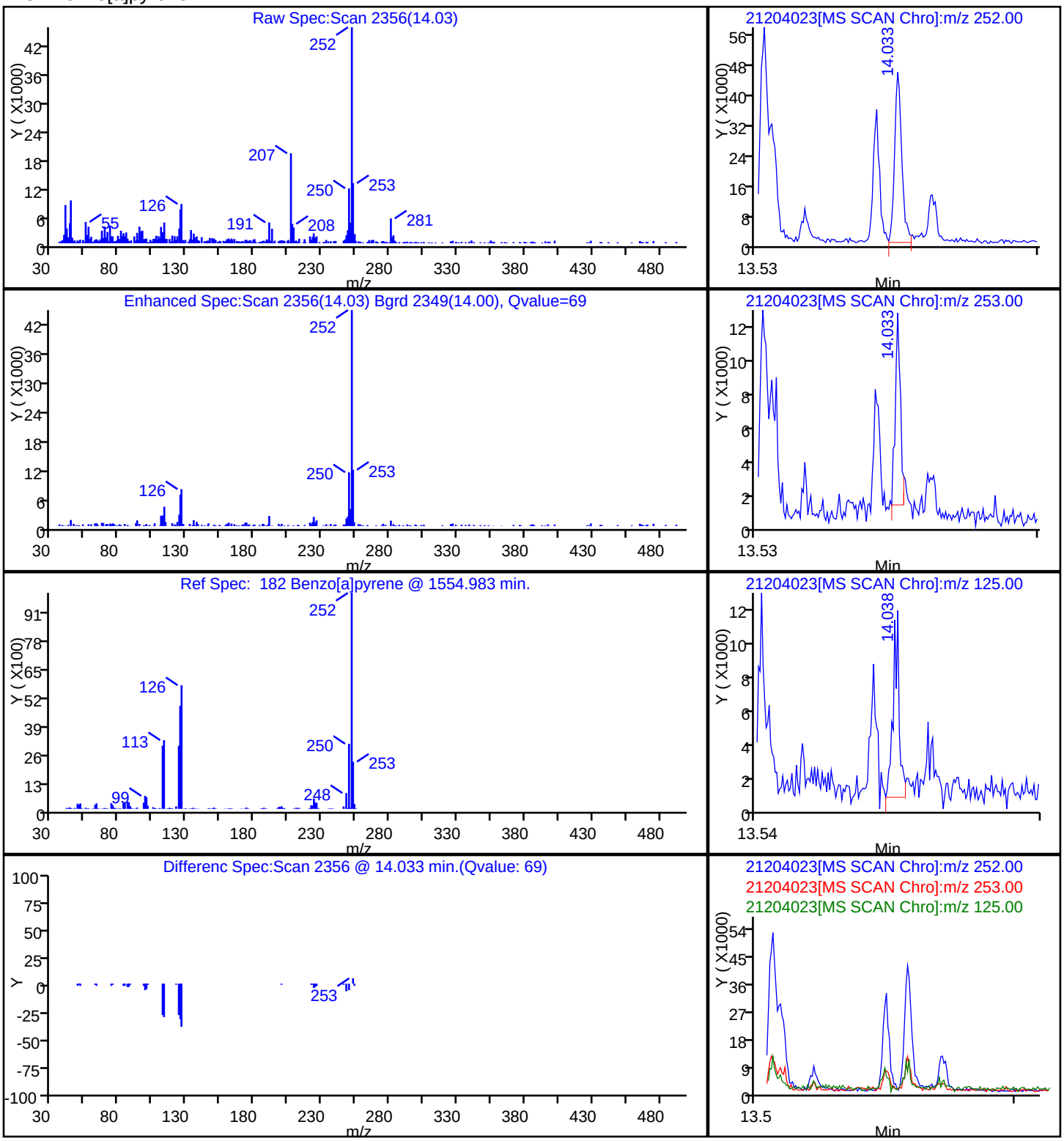
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	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



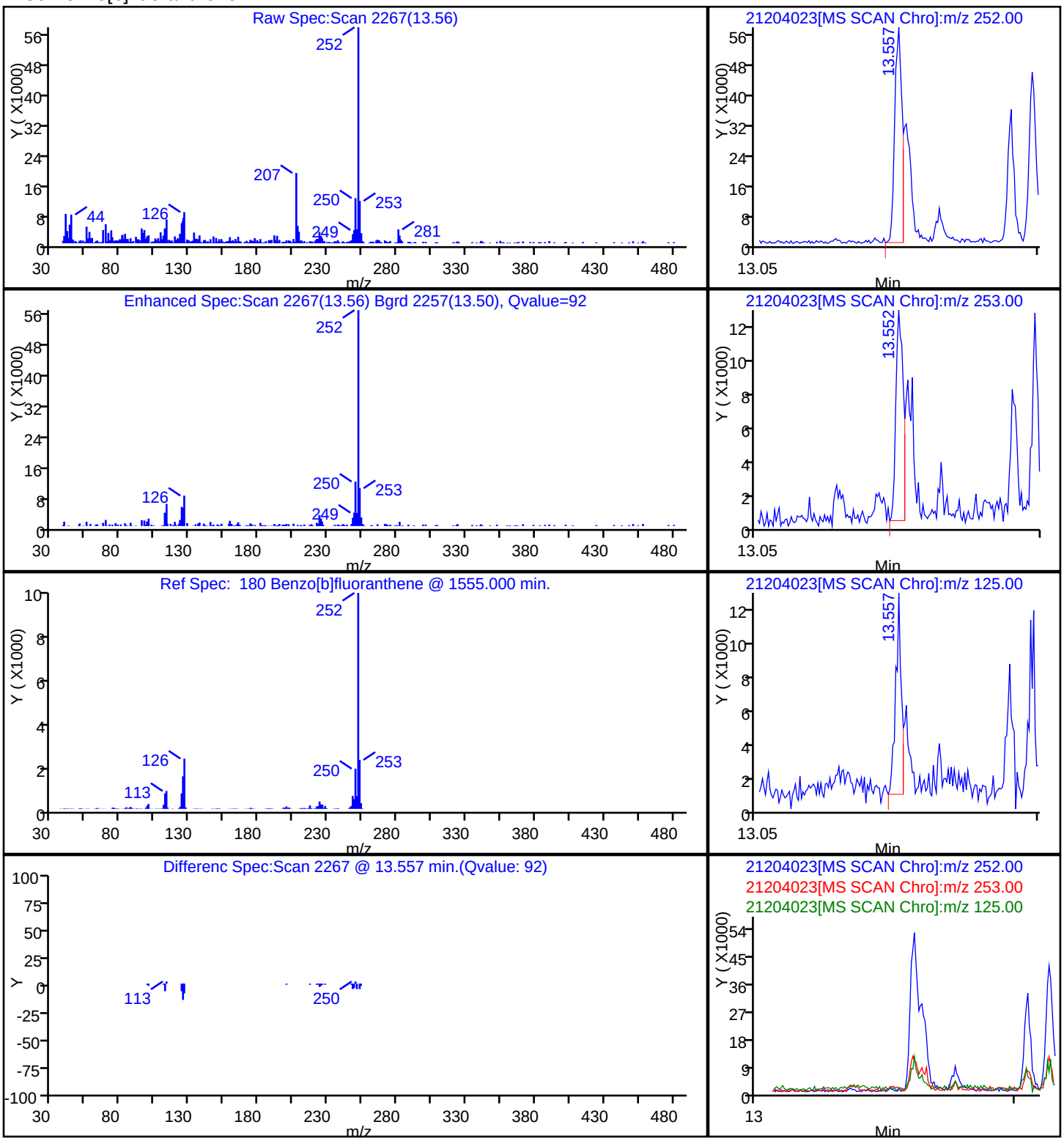
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	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



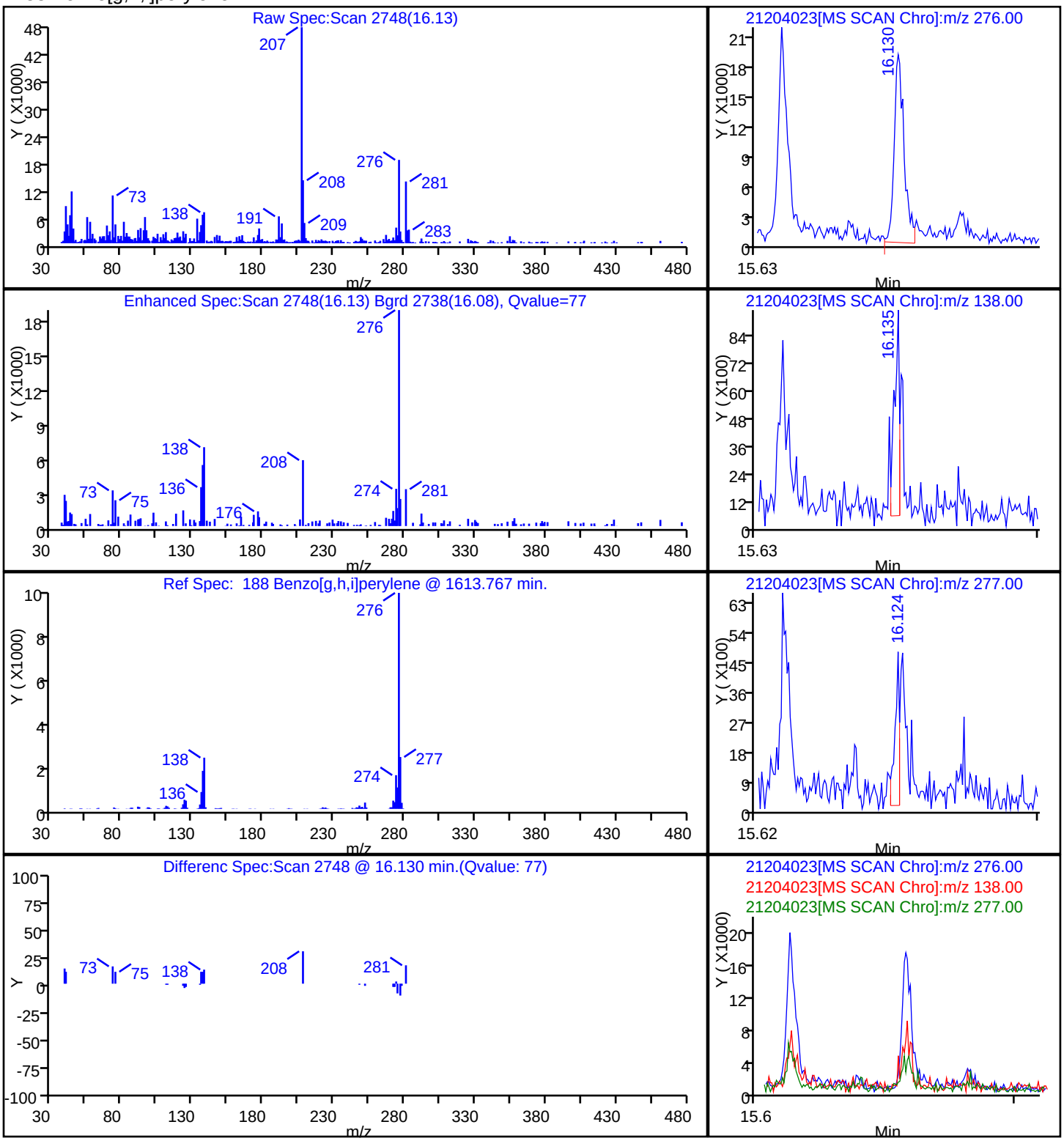
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene



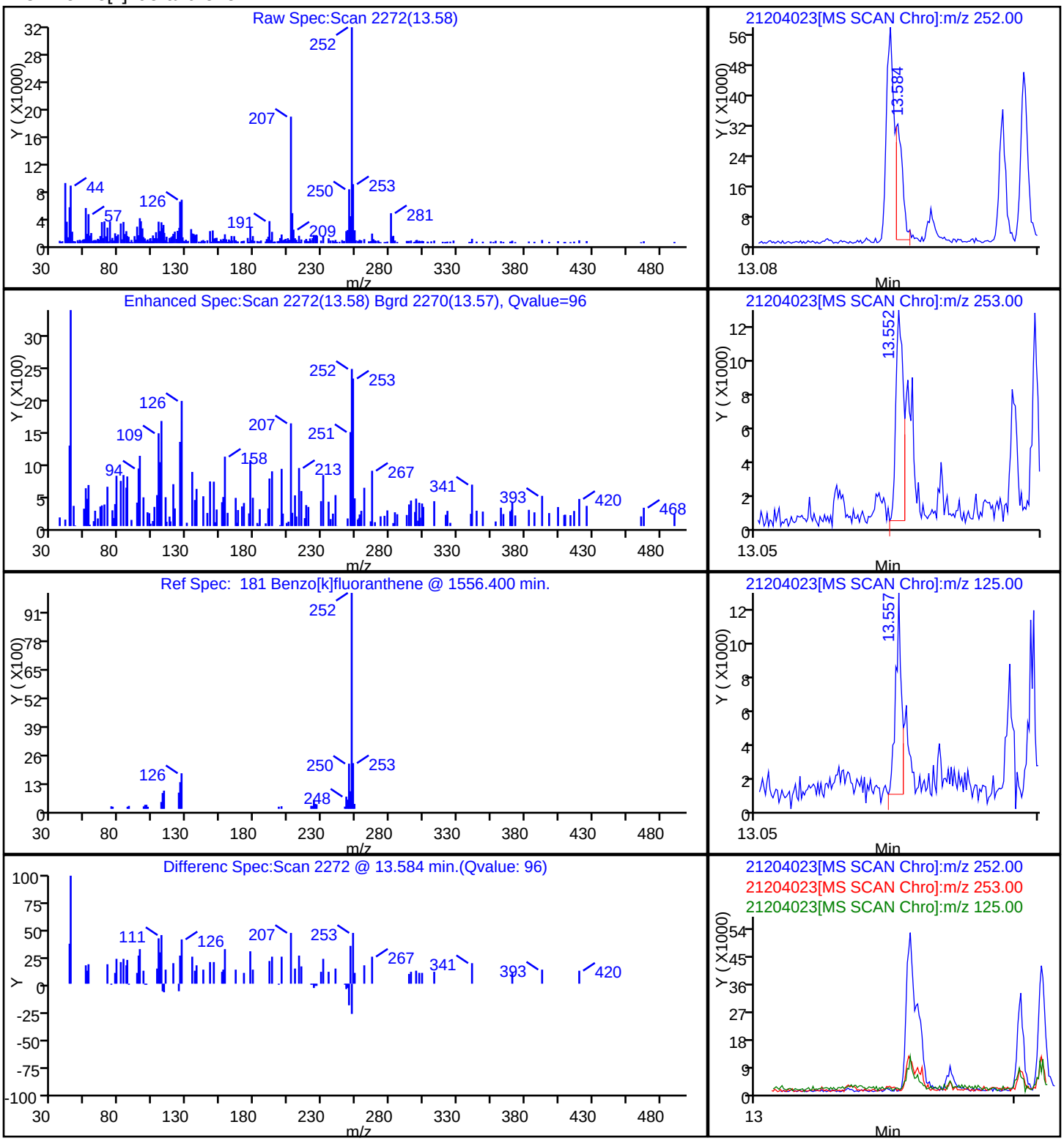
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene



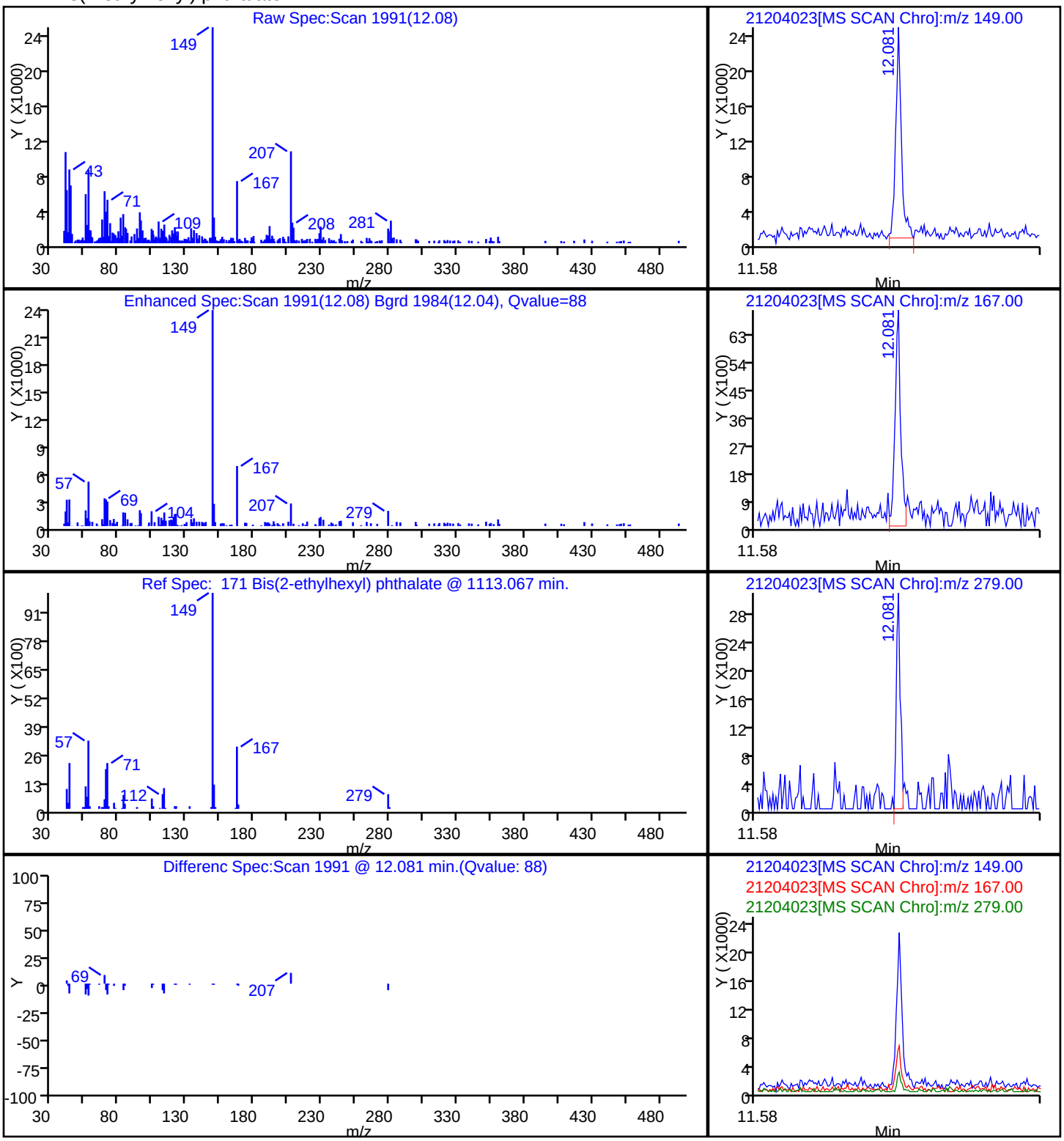
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



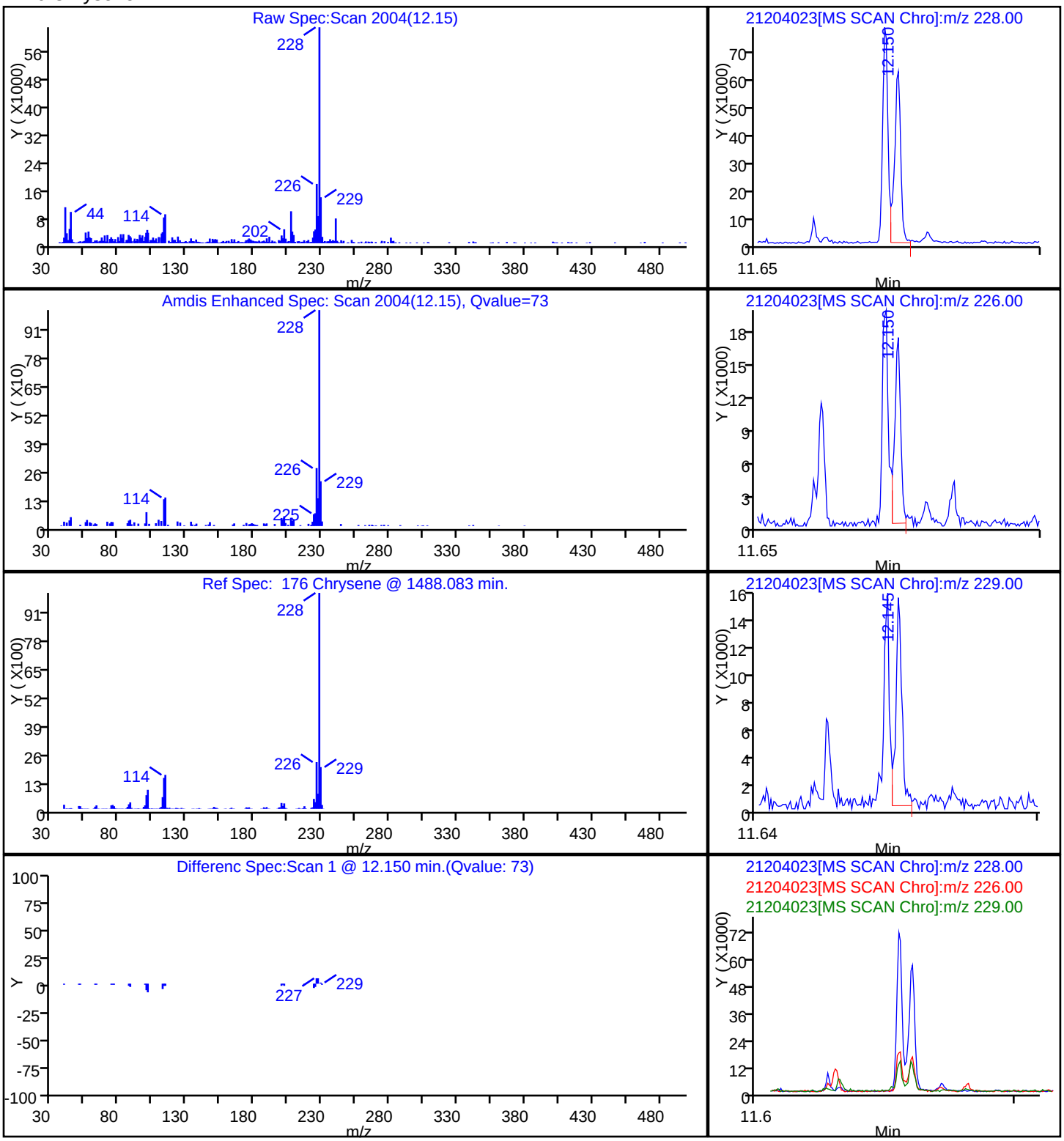
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene



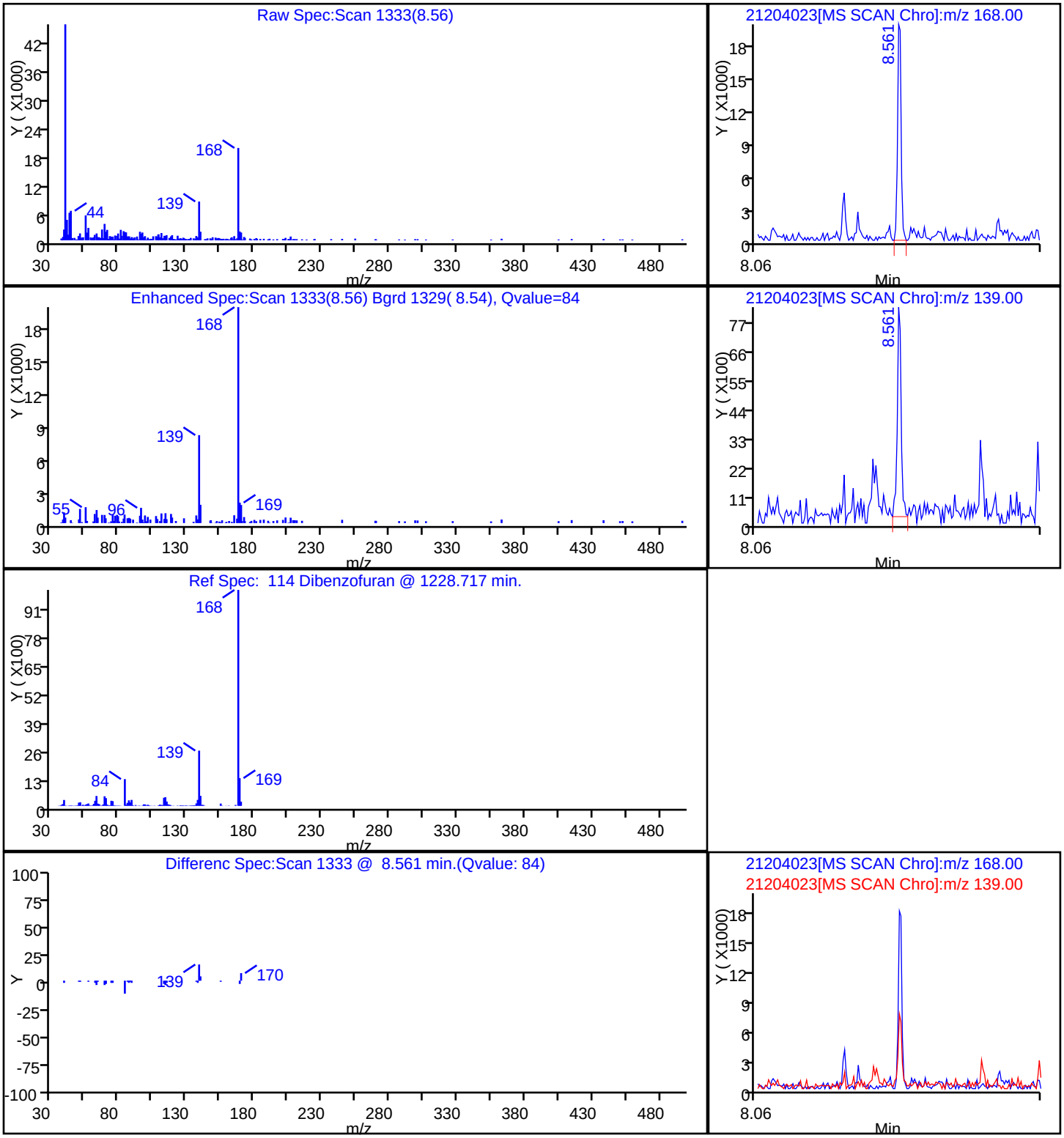
Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

114 Dibenzofuran



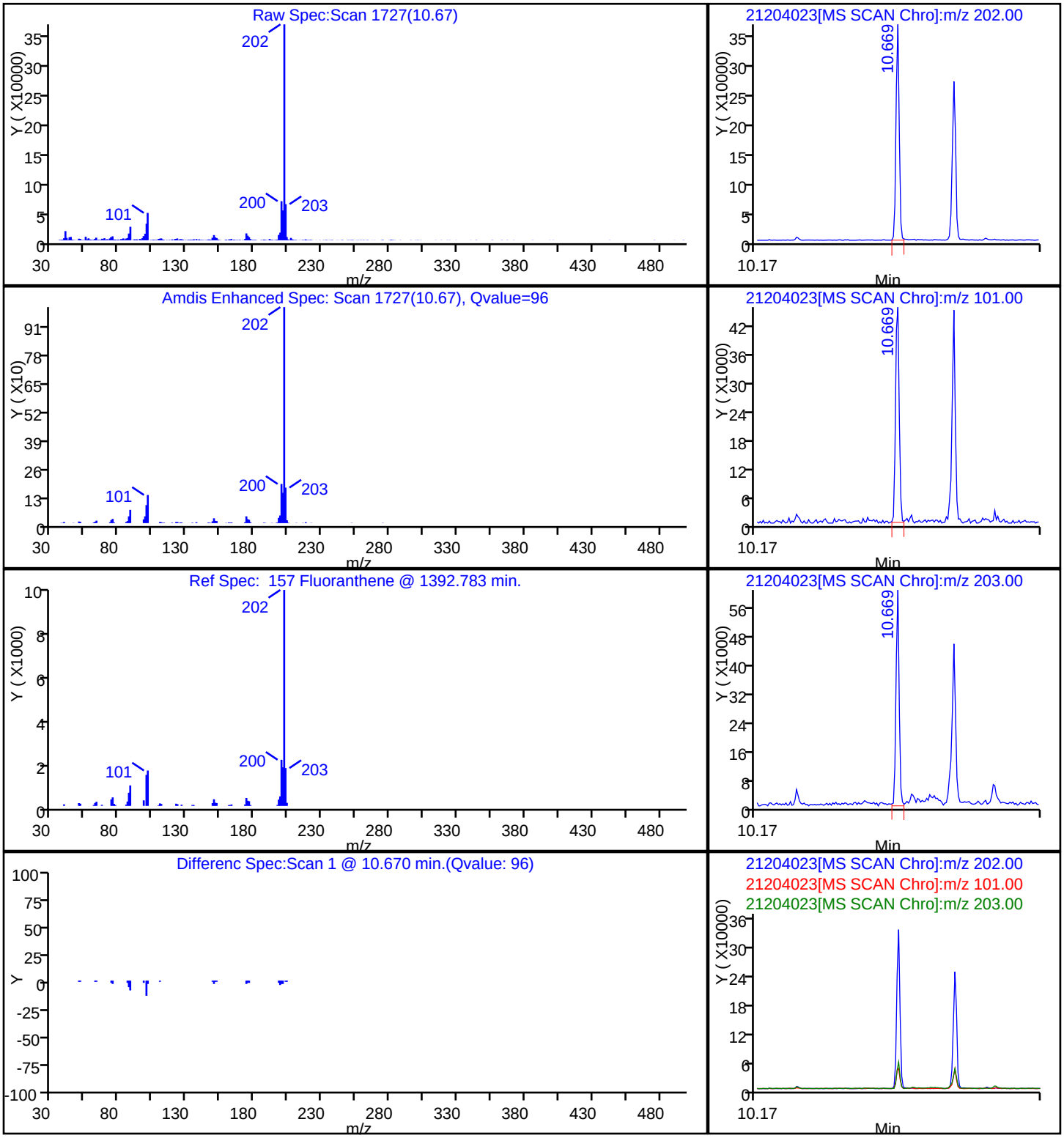
Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



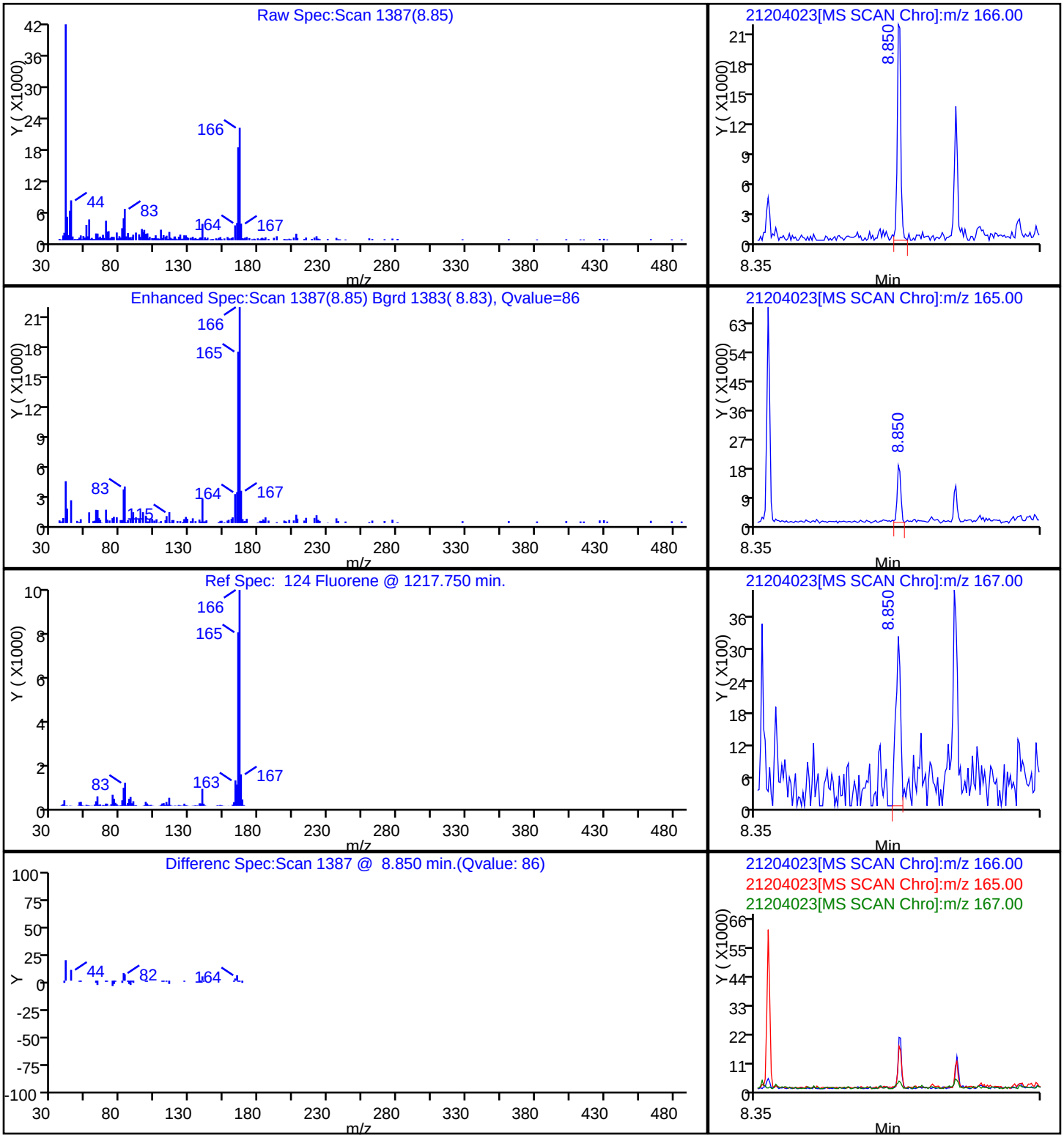
Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene

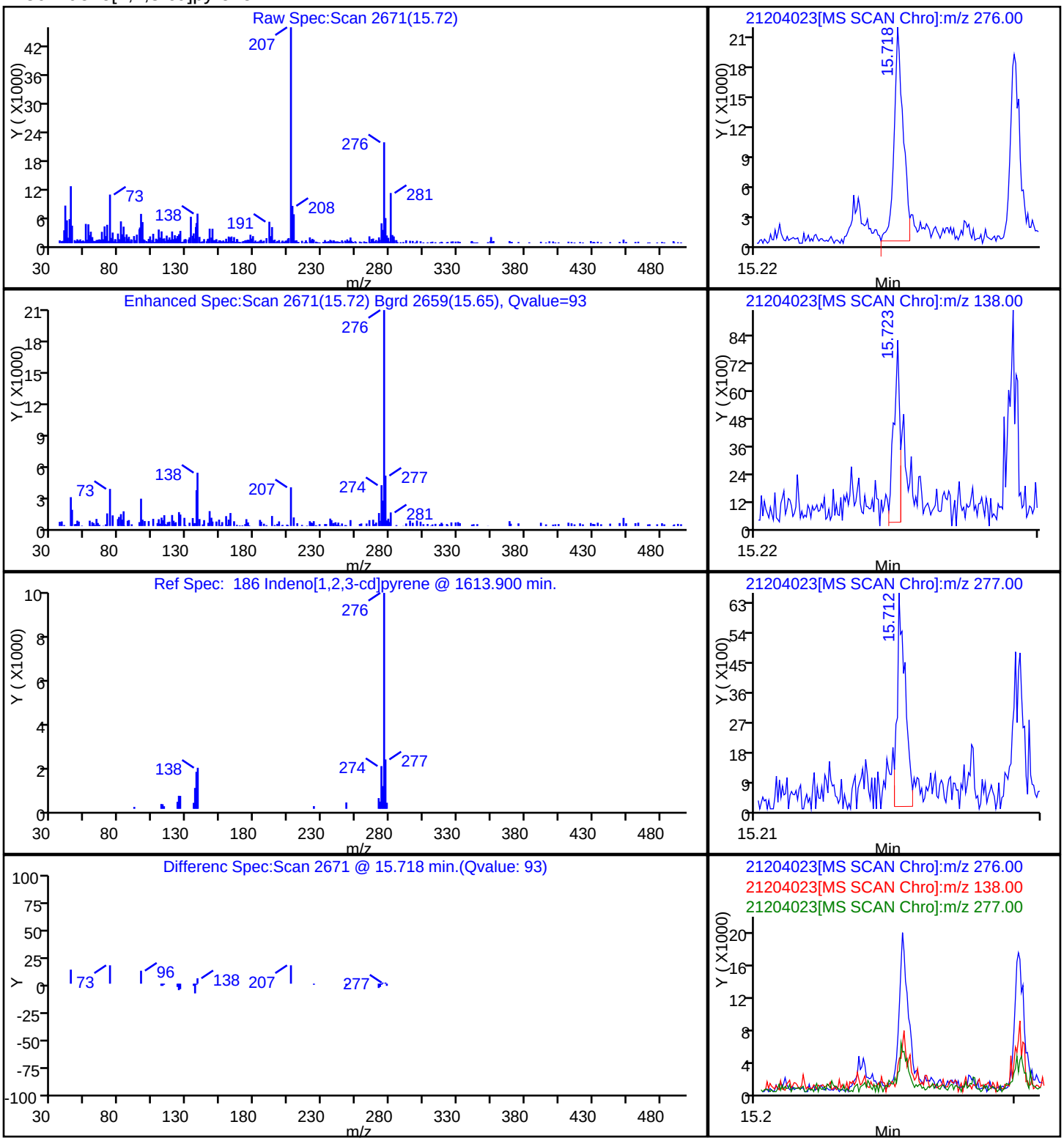


Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D		
Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene

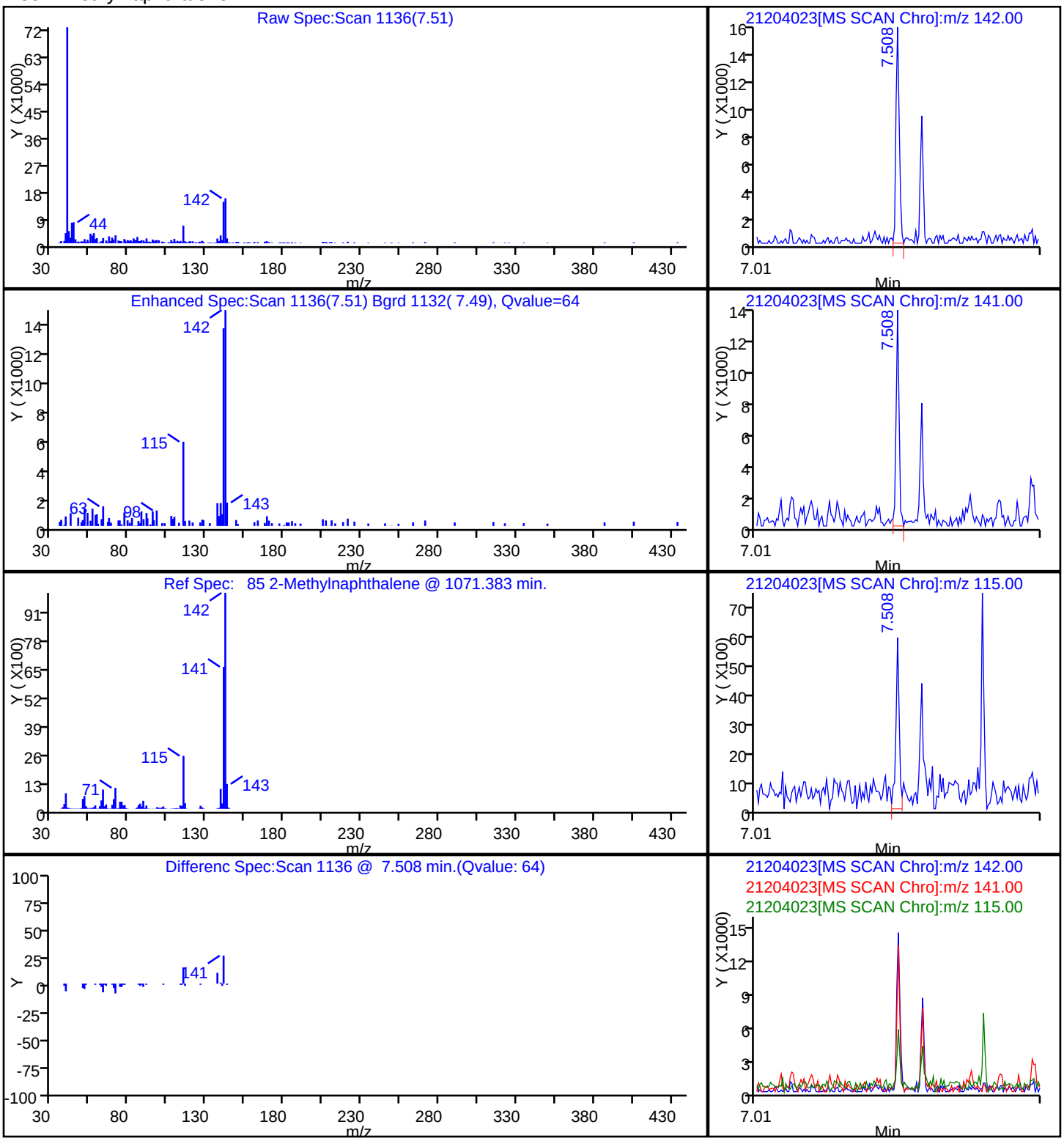


Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D		
Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



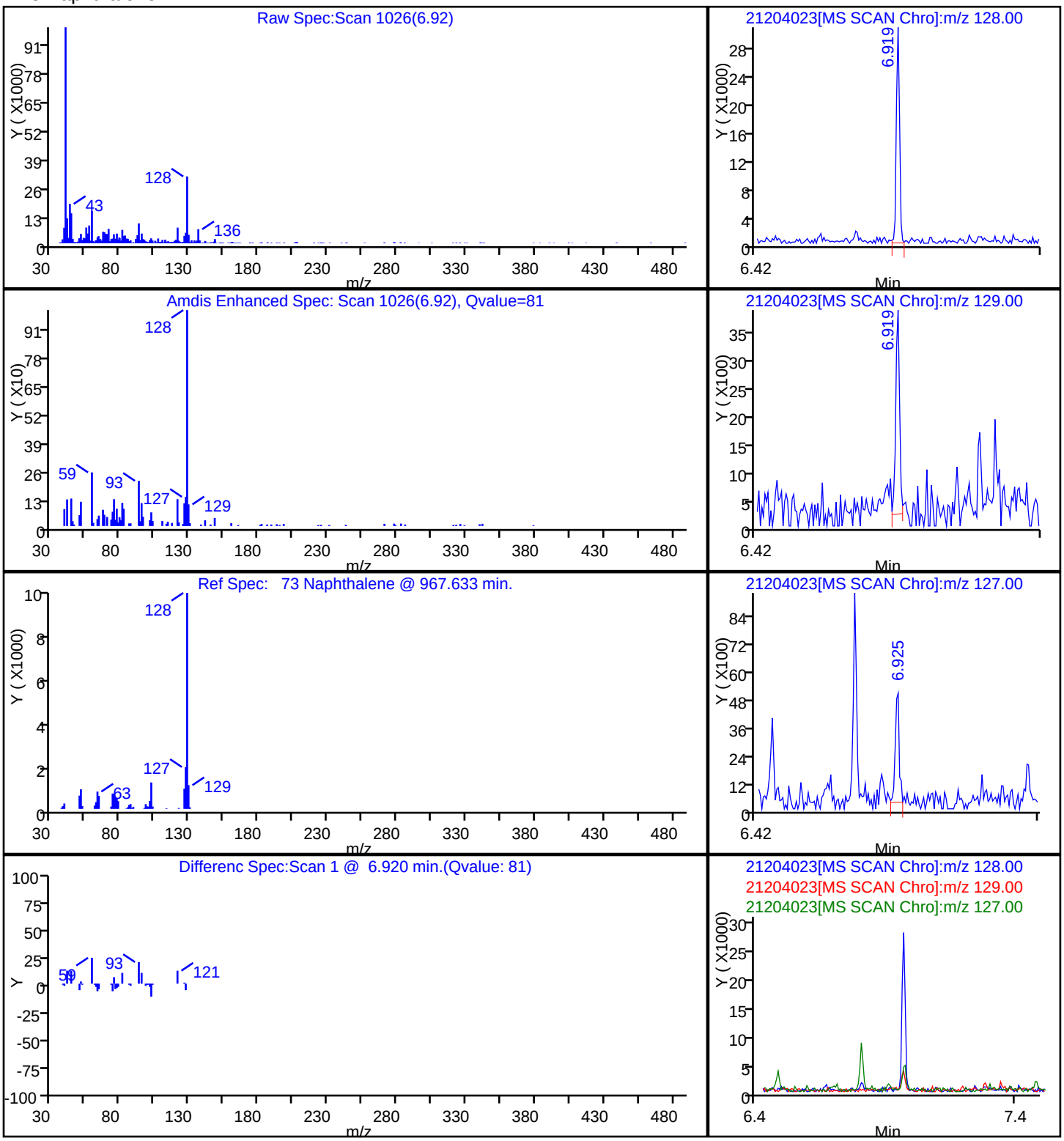
Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



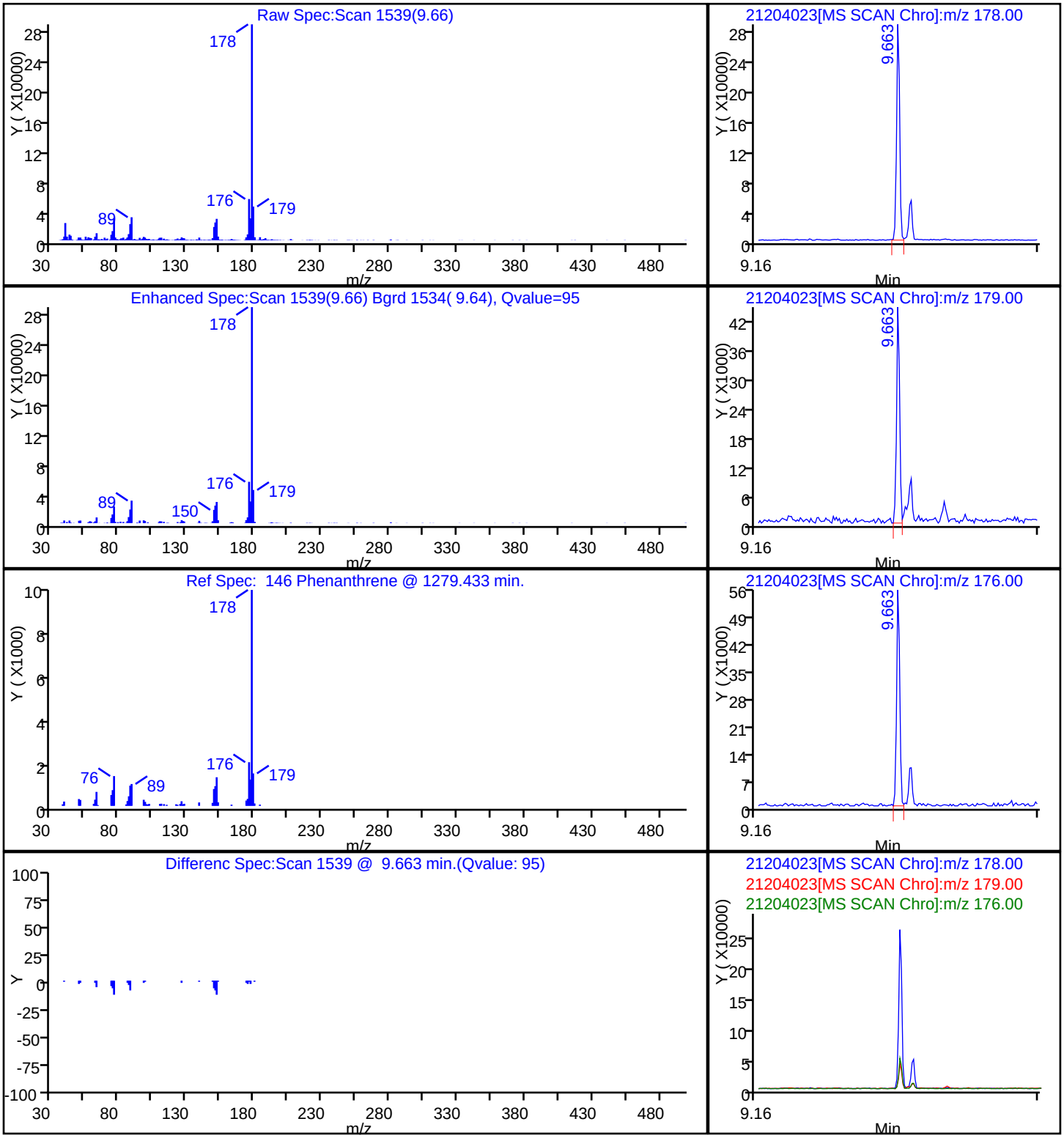
Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



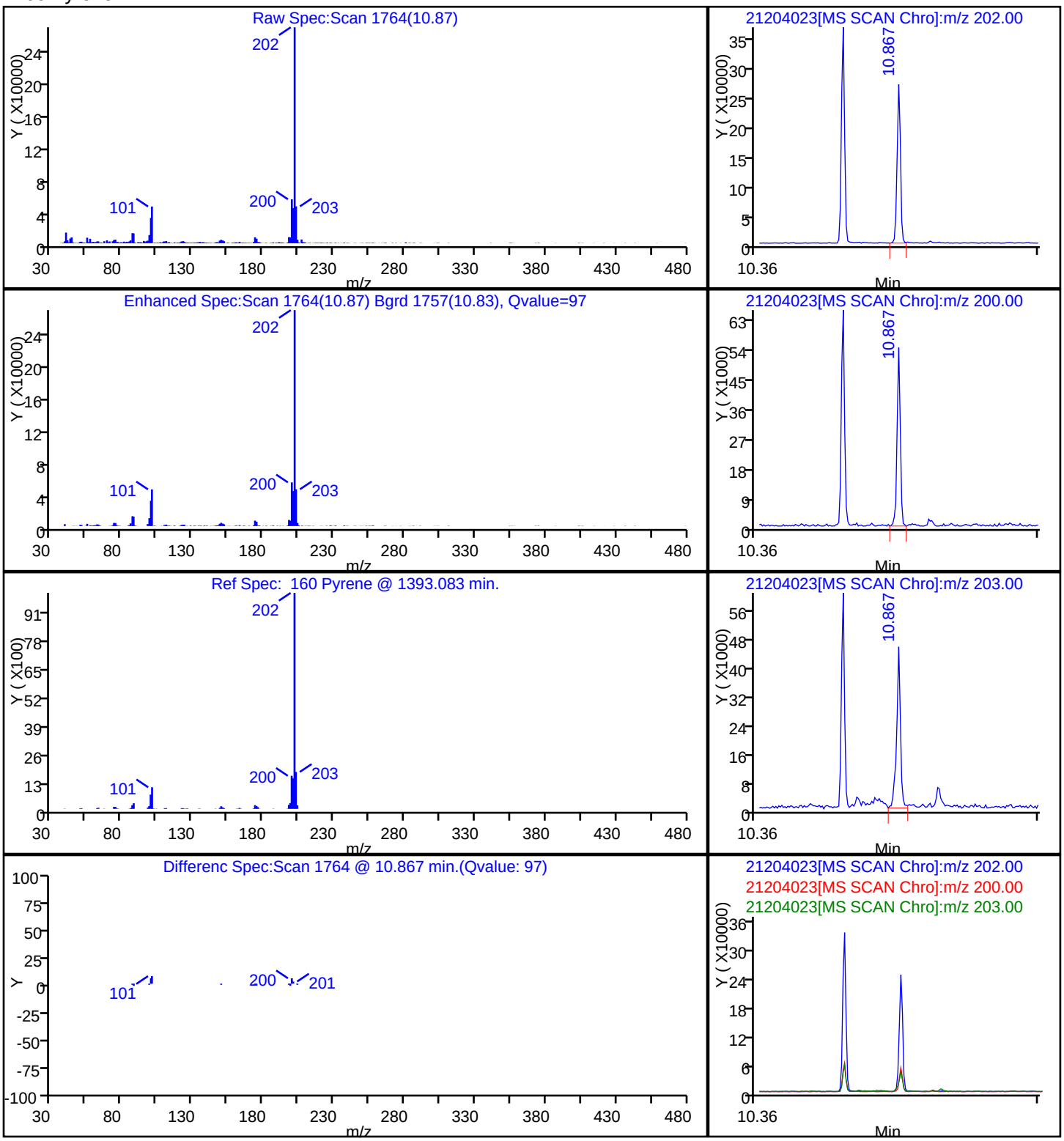
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D

Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	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

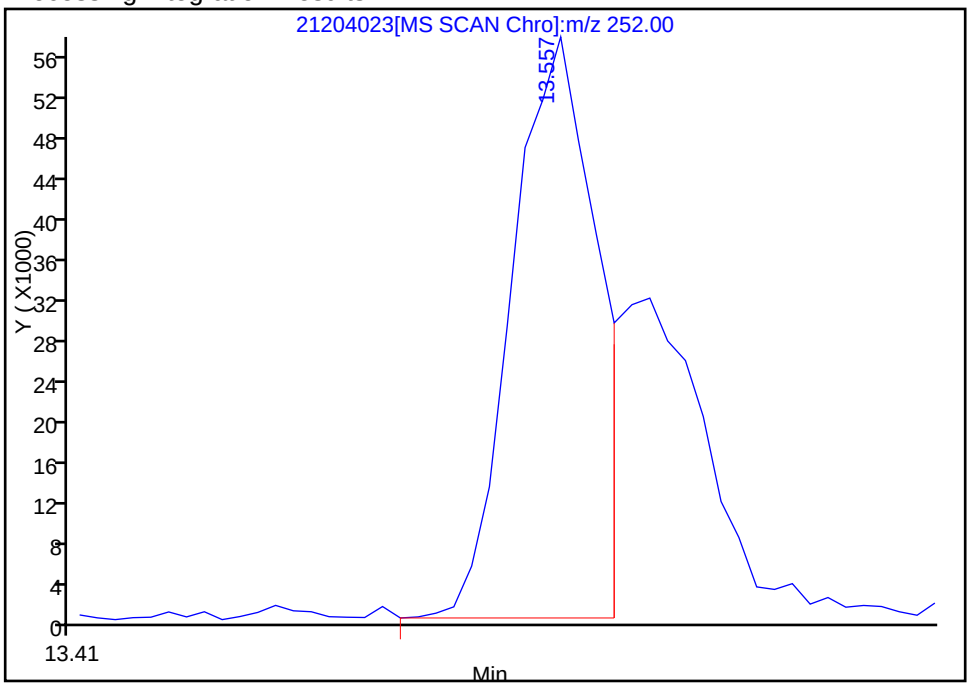
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204023.D		
Injection Date:	04-Dec-2012 17:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0026M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.59

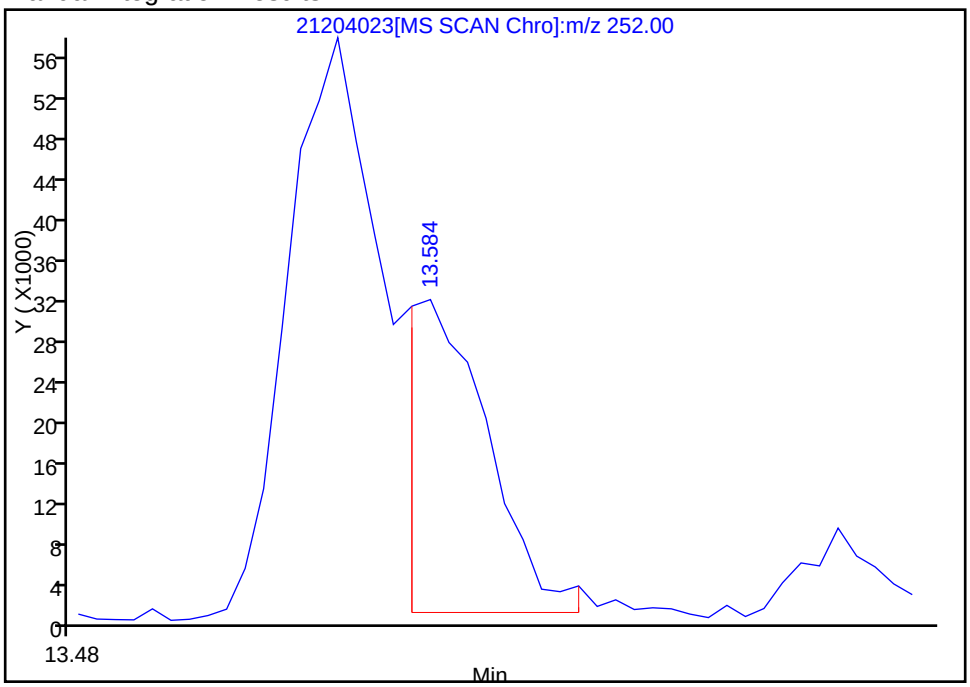
Processing Integration Results

RT: 13.56
Response: 101687
Amount: 0.447775



Manual Integration Results

RT: 13.58
Response: 49981
Amount: 0.220090



Reviewer: gruberj, 05-Dec-2012 13:45:19
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0027M-0001-SO | Lab Sample ID: 240-17796-6

Matrix: Solid | Lab File ID: 21204024.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.88(g) | Date Analyzed: 12/04/2012 18:02

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.: 67225 | 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	9.7		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	26	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0027M-0001-SO | Lab Sample ID: 240-17796-6

Matrix: Solid | Lab File ID: 21204024.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.88(g) | Date Analyzed: 12/04/2012 18:02

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.: 67225 | 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	6.0	J	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	6.4	J	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	6.3	J	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	8.1		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	4.1	J	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0027M-0001-SO | Lab Sample ID: 240-17796-6

Matrix: Solid | Lab File ID: 21204024.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 09:40

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.88(g) | Date Analyzed: 12/04/2012 18:02

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	56		45-105
367-12-4	2-Fluorophenol (Surr)	61		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	60		35-100
4165-62-2	Phenol-d5 (Surr)	62		40-100
1718-51-0	Terphenyl-d14 (Surr)	70		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	67		35-125

Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D
Lims ID: 240-17796-E-6-B Client ID: 076SB-0027M-0001-SO
Inject. Date: 04-Dec-2012 18:02:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015502-024
Misc. Info.: 240-17796-e-6-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 67225 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:46:36 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: XAWRK027

First Level Reviewer: gruberj Date: 05-Dec-2012 13:45:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.780	5.769	0.011	94	174237	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	99	668655	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	93	395782	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	97	697300	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	736343	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	93	658171	4.00	
$ 7 2-Fluorophenol	112	4.576	4.486	0.090	93	491552	9.13	
$ 8 Phenol-d5	99	5.438	5.422	0.016	96	640213	9.36	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	89	353972	6.02	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	100	723453	5.63	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	95	165750	10.1	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	99	956009	7.01	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					9
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					
63 Isophorone	82	6.491	6.486	0.005	66	13969	0.1310	
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					9
68 Bis(2-chloroethoxy)methane	93		6.668					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.914	6.914	0.0	66	15766	0.0944	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142	7.507	7.508	-0.001	67	10206	0.0955	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					9
100 2-Nitroaniline	65		8.000					9
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					9
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					9
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					
112 2,4-Dinitrotoluene	165		8.534					
114 Dibenzofuran	168		8.561					
119 Diethyl phthalate	149	8.727	8.727	0.0	63	12125	0.0998	
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166		8.850					
123 4-Nitroaniline	138		8.855					9
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178	9.663	9.663	0.0	64	22990	0.1207	
147 Anthracene	178		9.711					
149 Carbazole	167		9.834					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	90	26783	0.1297	
157 Fluoranthene	202	10.669	10.669	0.0	92	18876	0.0897	
160 Pyrene	202	10.866	10.866	0.0	91	14541	0.0619	
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					
171 Bis(2-ethylhexyl) phthalate	149	12.075	12.081	-0.006	83	26430	0.3872	
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					9
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252		13.551					2
181 Benzo[k]fluoranthene	252		13.594					2
182 Benzo[a]pyrene	252	14.033	14.038	-0.005	54	6743	0.1445	
186 Indeno[1,2,3-cd]pyrene	276		15.723					
187 Dibenz(a,h)anthracene	278		15.750					9
188 Benzo[g,h,i]perylene	276		16.135					

QC Flag Legend

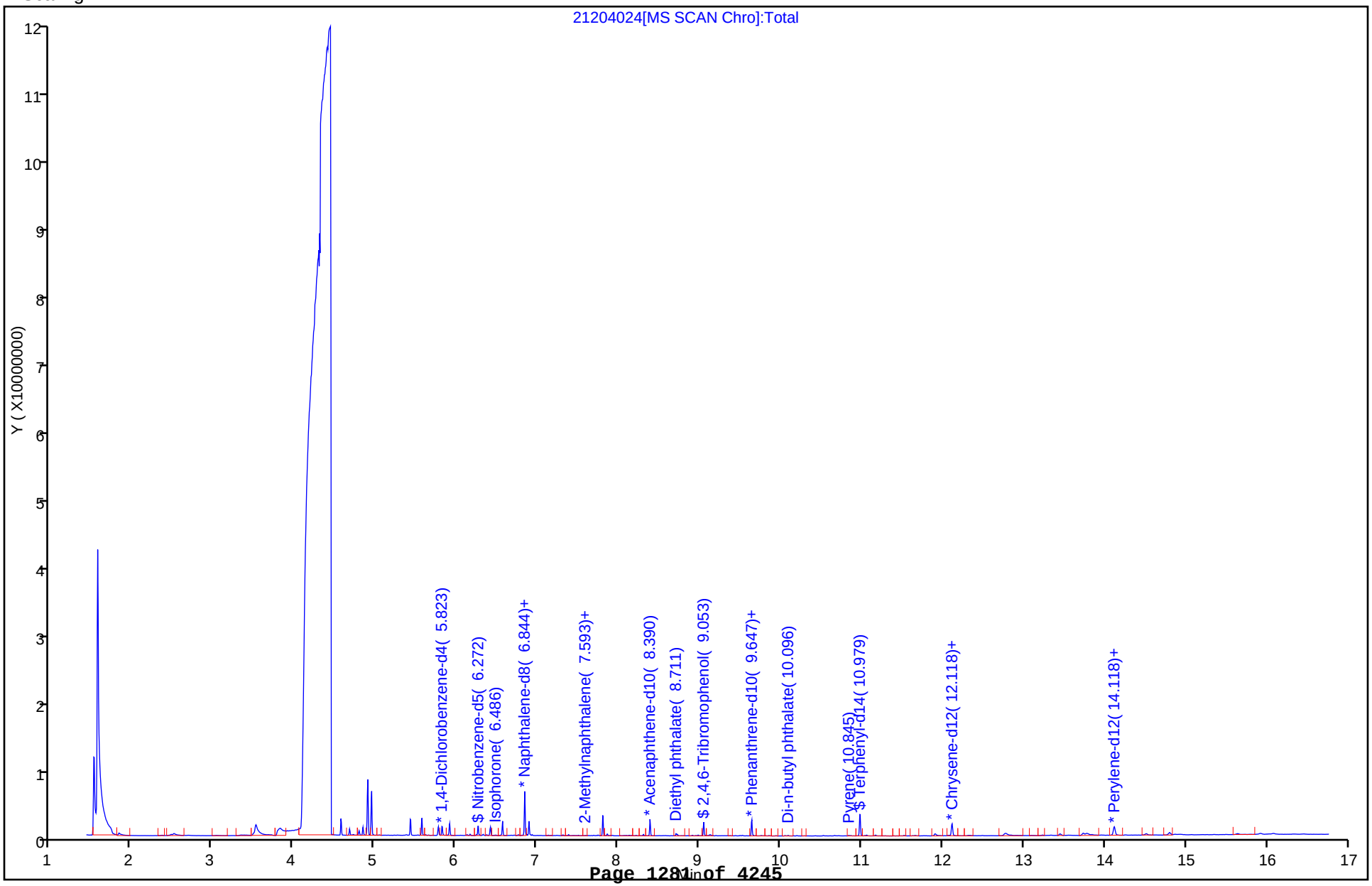
Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D		
Injection Date:	04-Dec-2012 18:02:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



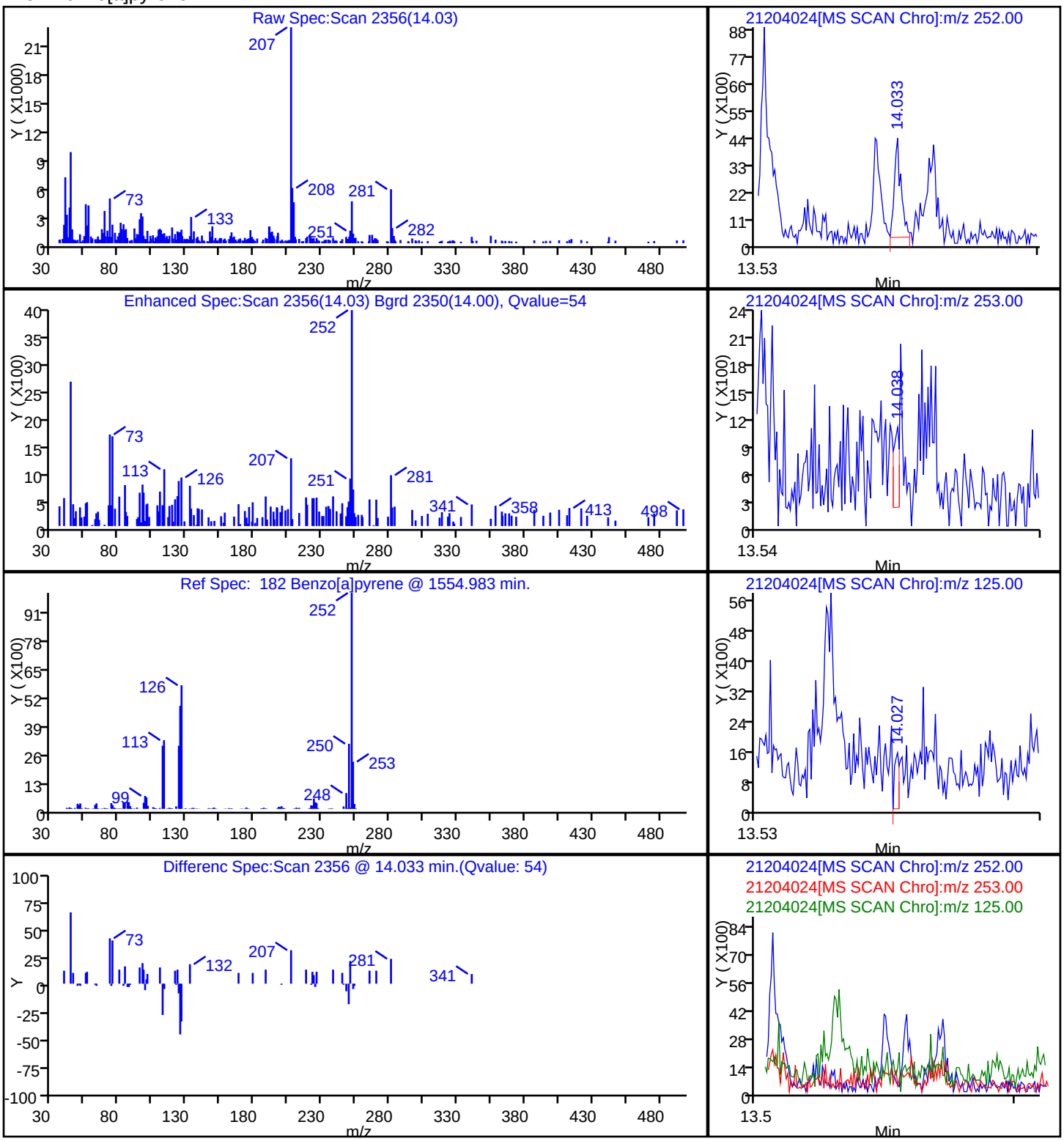
Report Date: 05-Dec-2012 13:46:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D

Injection Date:	04-Dec-2012 18:02:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



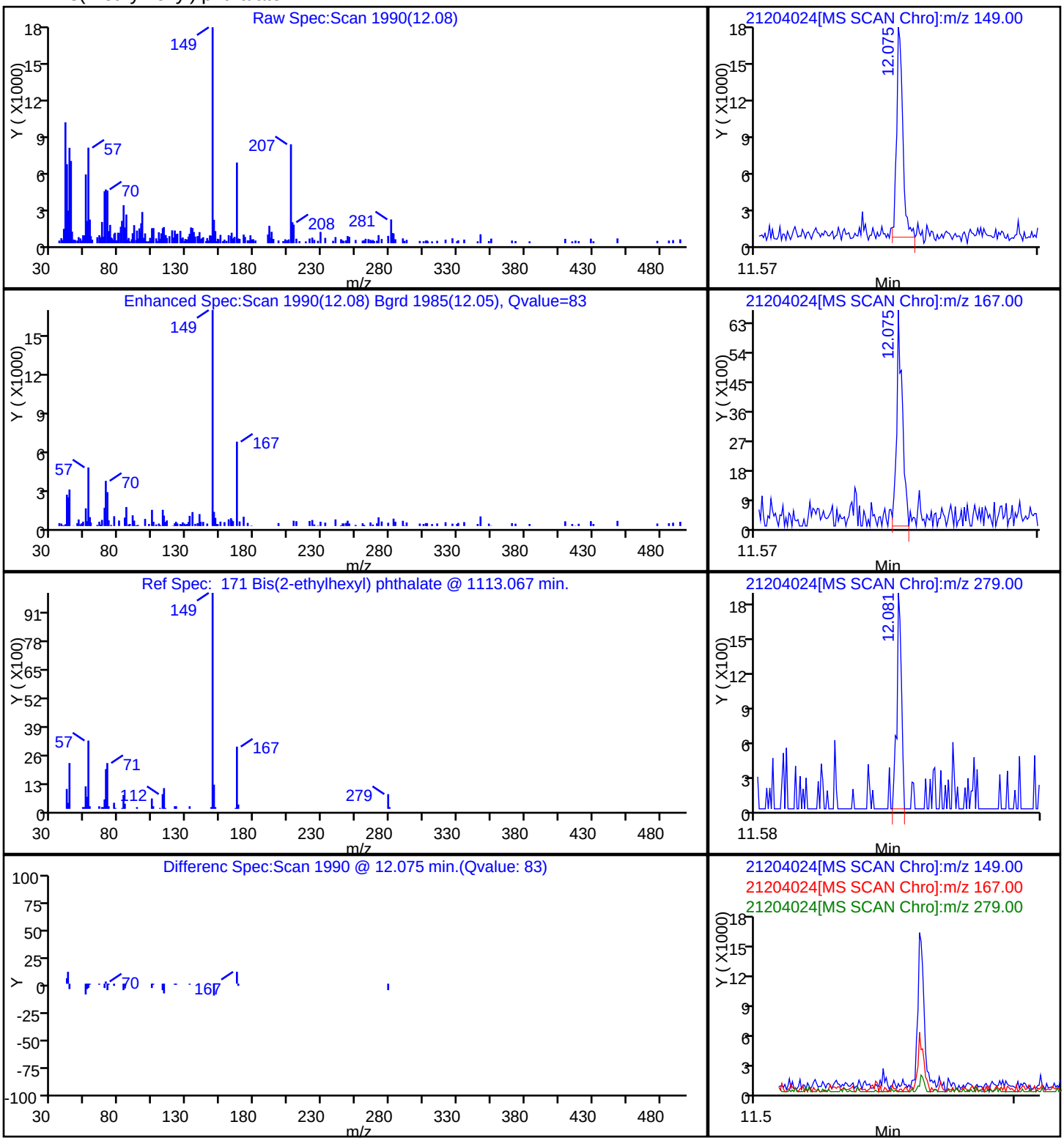
Report Date: 05-Dec-2012 13:46:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D

Injection Date:	04-Dec-2012 18:02:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



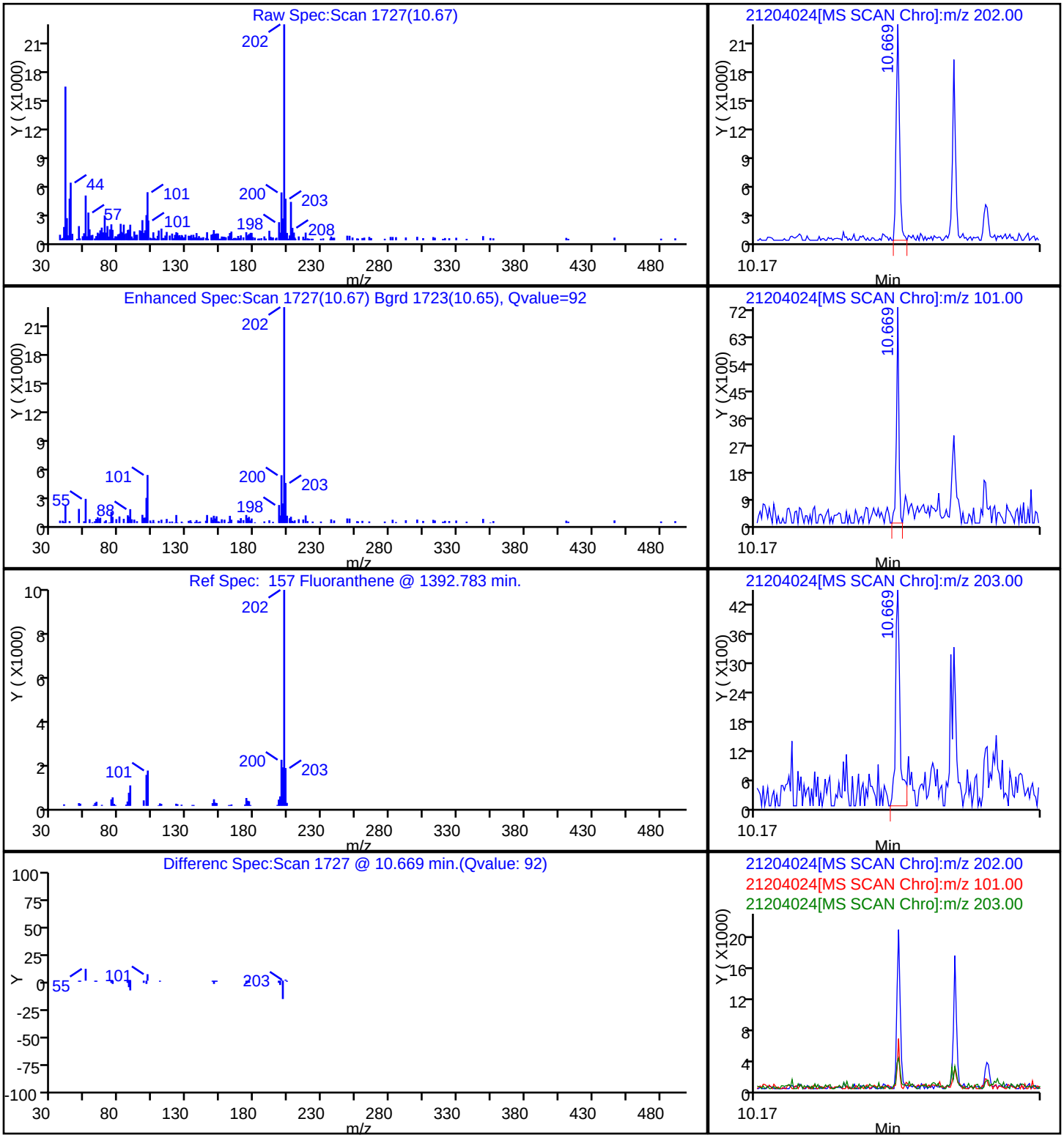
Report Date: 05-Dec-2012 13:46:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D

Injection Date:	04-Dec-2012 18:02:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



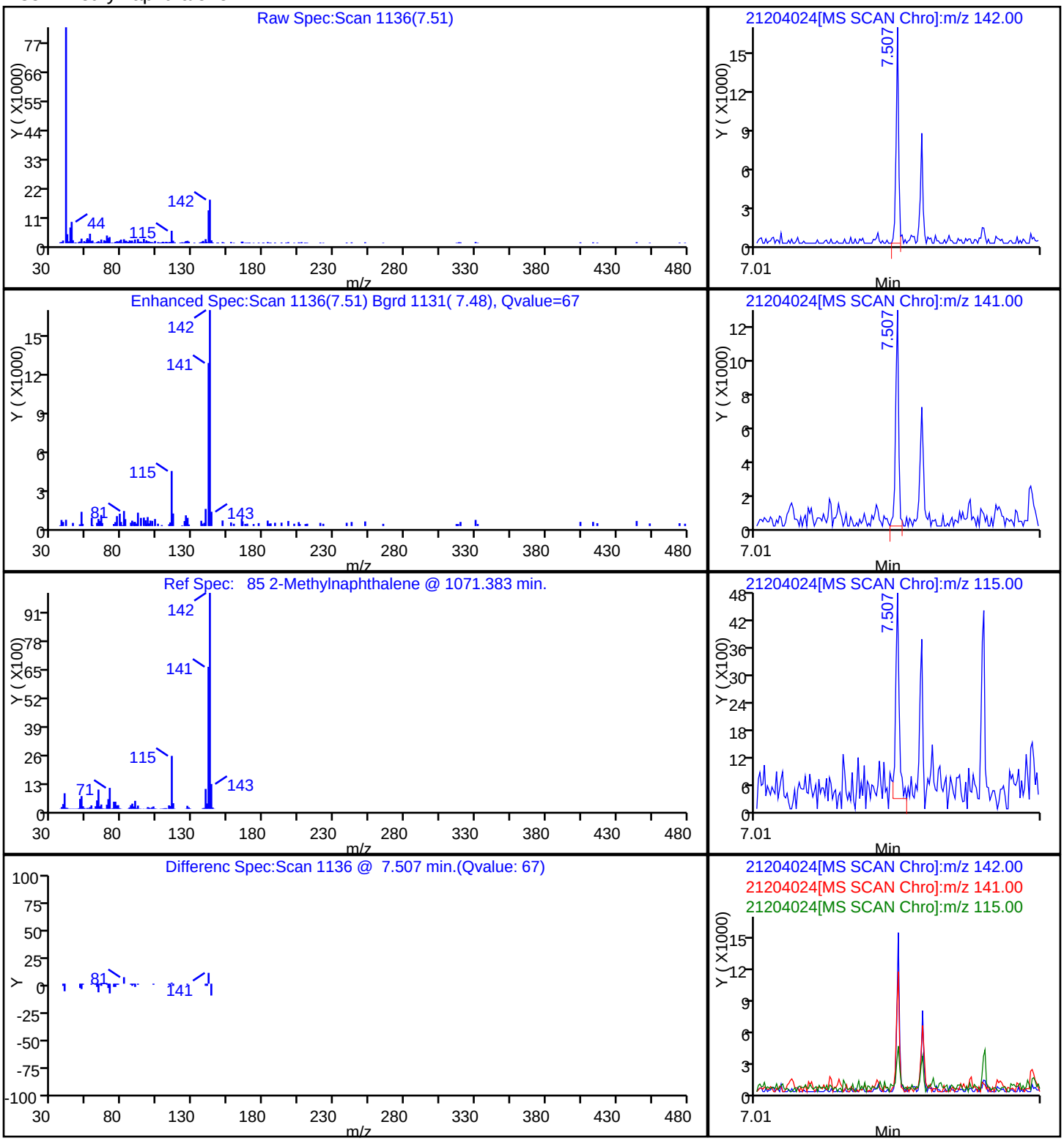
Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D

Injection Date:	04-Dec-2012 18:02:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene

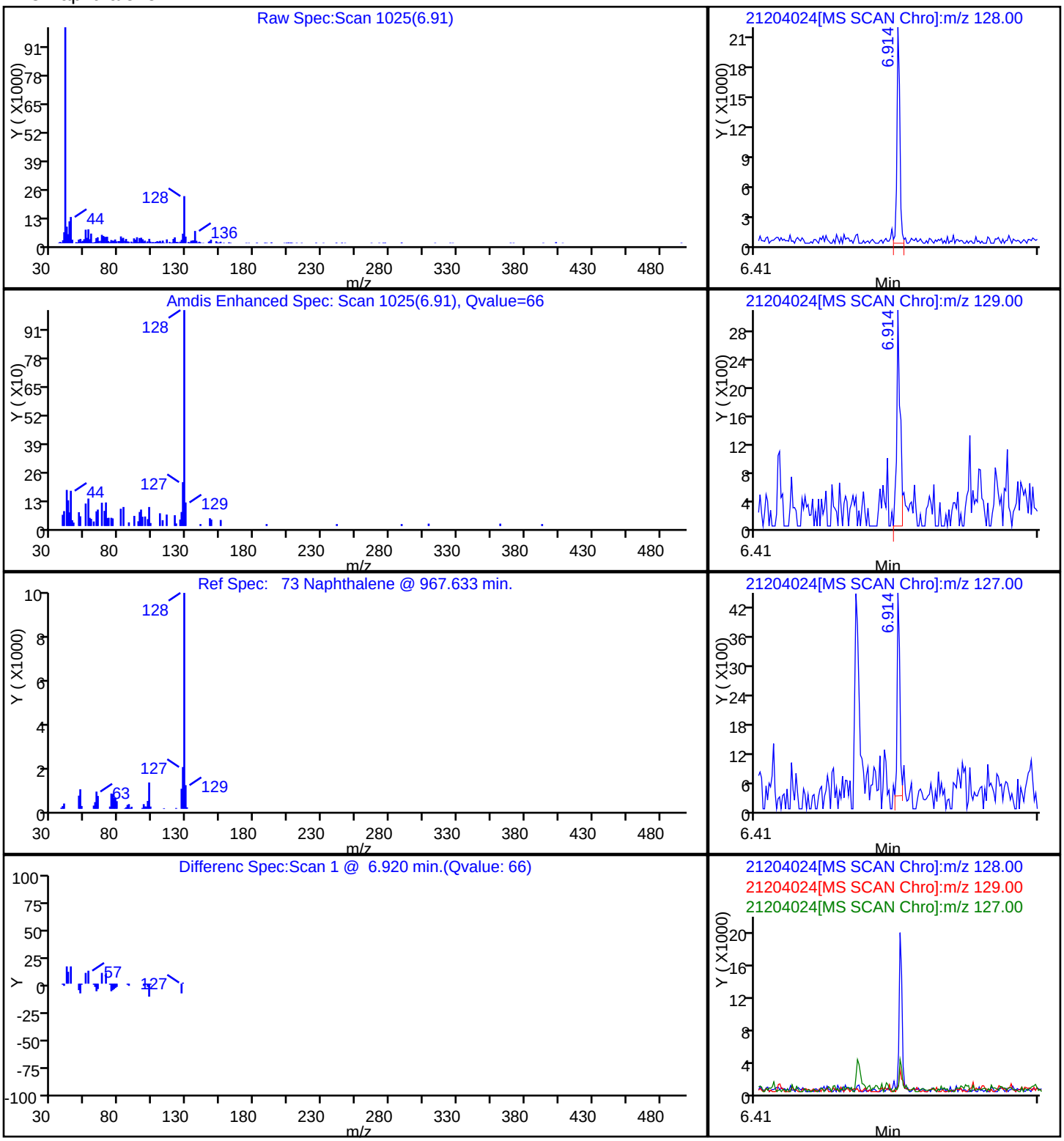


Report Date: 05-Dec-2012 13:46:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D		
Injection Date:	04-Dec-2012 18:02:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene

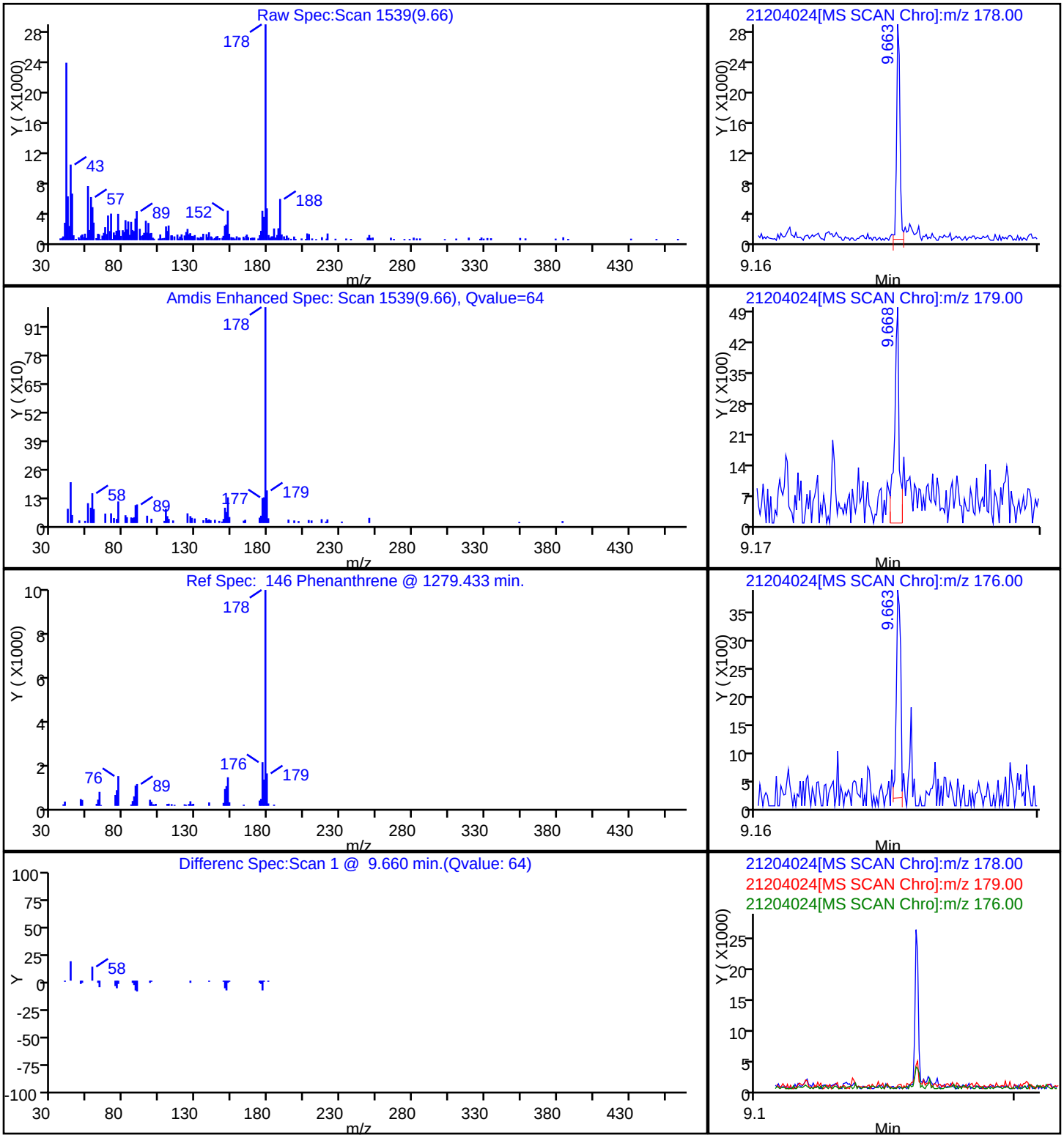


Report Date: 05-Dec-2012 13:46:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D		
Injection Date:	04-Dec-2012 18:02:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	24
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



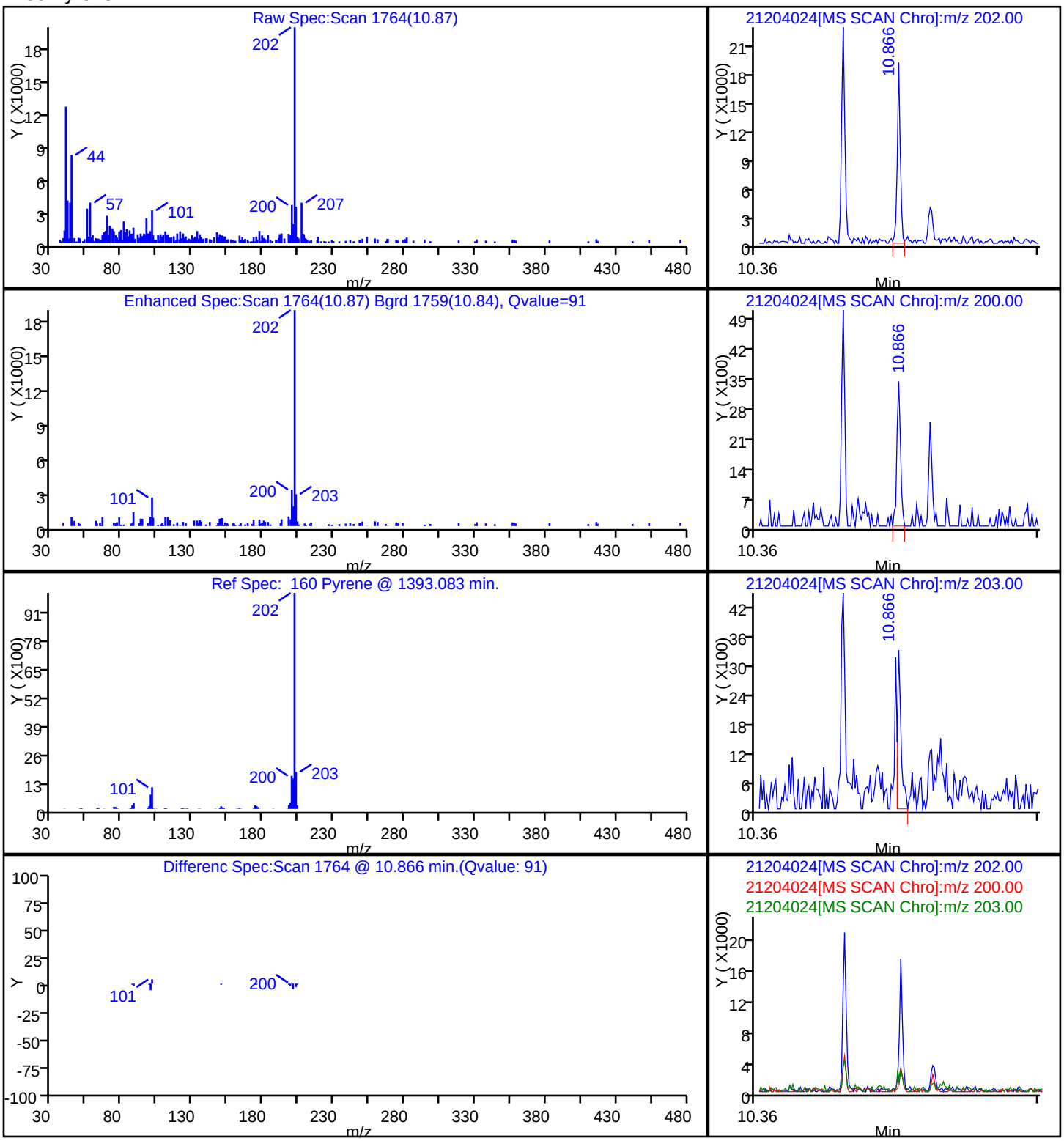
Report Date: 05-Dec-2012 13:46:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204024.D

Injection Date:	04-Dec-2012 18:02:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0027M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	24
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0028M-0001-SO | Lab Sample ID: 240-17796-7

Matrix: Solid | Lab File ID: 21205022.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.52(g) | Date Analyzed: 12/05/2012 17:17

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.: 67390 | 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	850	U	1700	850	850
207-08-9	Benzo[k]fluoranthene	8.4	U	17	8.4	8.4
100-51-6	Benzyl alcohol	69	U	840	69	53
111-91-1	Bis(2-chloroethoxy)methane	69	U	250	69	56
111-44-4	Bis(2-chloroethyl)ether	8.4	U	250	8.4	5.1
108-60-1	bis (2-chloroisopropyl) ether	69	U	250	69	24
117-81-7	Bis(2-ethylhexyl) phthalate	69	U	130	69	48
101-55-3	4-Bromophenyl phenyl ether	69	U	130	69	33
85-68-7	Butyl benzyl phthalate	69	U	130	69	25
86-74-8	Carbazole	69	U	130	69	69
106-47-8	4-Chloroaniline	69	U	380	69	43
59-50-7	4-Chloro-3-methylphenol	69	U	380	69	53
91-58-7	2-Chloronaphthalene	8.4	U	130	8.4	8.4
95-57-8	2-Chlorophenol	69	U	130	69	69
7005-72-3	4-Chlorophenyl phenyl ether	69	U	130	69	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	69	U	130	69	25
541-73-1	1,3-Dichlorobenzene	69	U	130	69	28
106-46-7	1,4-Dichlorobenzene	69	U	130	69	51
91-94-1	3,3'-Dichlorobenzidine	200	U	250	200	46
120-83-2	2,4-Dichlorophenol	69	U	380	69	51
84-66-2	Diethyl phthalate	69	U	130	69	41
105-67-9	2,4-Dimethylphenol	200	U	380	200	51
131-11-3	Dimethyl phthalate	69	U	130	69	43
84-74-2	Di-n-butyl phthalate	69	U	130	69	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0028M-0001-SO | Lab Sample ID: 240-17796-7

Matrix: Solid | Lab File ID: 21205022.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.52(g) | Date Analyzed: 12/05/2012 17:17

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.: 67390 | 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	69	U	510	69	69
606-20-2	2,6-Dinitrotoluene	69	U	510	69	53
117-84-0	Di-n-octyl phthalate	69	U	130	69	69
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	69	U	130	69	69
77-47-4	Hexachlorocyclopentadiene	69	U	840	69	69
67-72-1	Hexachloroethane	69	U	130	69	23
193-39-5	Indeno[1,2,3-cd]pyrene	8.4	U	17	8.4	8.4
78-59-1	Isophorone	69	U	130	69	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	69	U	510	69	23
99-09-2	3-Nitroaniline	200	U	510	200	41
100-01-6	4-Nitroaniline	69	U	510	69	66
98-95-3	Nitrobenzene	8.4	U	250	8.4	5.6
88-75-5	2-Nitrophenol	69	U	130	69	69
100-02-7	4-Nitrophenol	200	U	840	200	200
621-64-7	N-Nitrosodi-n-propylamine	69	U	130	69	69
86-30-6	N-Nitrosodiphenylamine	69	U	130	69	53
87-86-5	Pentachlorophenol	200	U	380	200	200
85-01-8	Phenanthrene	8.4	U	17	8.4	8.4
108-95-2	Phenol	69	U	130	69	69
129-00-0	Pyrene	8.4	U	17	8.4	8.4
120-82-1	1,2,4-Trichlorobenzene	69	U	130	69	69
95-95-4	2,4,5-Trichlorophenol	69	U	380	69	64
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0028M-0001-SO | Lab Sample ID: 240-17796-7

Matrix: Solid | Lab File ID: 21205022.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.52(g) | Date Analyzed: 12/05/2012 17:17

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.: 67390 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	57		45-105
367-12-4	2-Fluorophenol (Surr)	58		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
4165-62-2	Phenol-d5 (Surr)	60		40-100
1718-51-0	Terphenyl-d14 (Surr)	63		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	53		35-125

Report Date: 06-Dec-2012 08:49:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205022.D
Lims ID: 240-17796-E-7-B Client ID: 076SB-0028M-0001-SO
Inject. Date: 05-Dec-2012 17:17:30 Dil. Factor: 2.5000
Sample Type: Client
Sample ID: 240-0015541-022
Misc. Info.: 240-17796-e-7-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 22
Lims Batch ID: 67390 Lims Sample ID: 22
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m
Last Update: 06-Dec-2012 08:49:41 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: XAWRK028

First Level Reviewer: gruberj Date: 06-Dec-2012 08:47:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.746	5.730	0.016	96	194419	4.00	
* 2 Naphthalene-d8	136	6.864	6.859	0.005	99	742289	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	92	419054	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	97	735027	4.00	
* 5 Chrysene-d12	240	12.052	12.057	-0.005	98	735755	4.00	
* 6 Perylene-d12	264	14.031	14.036	-0.005	92	634557	4.00	
$ 7 2-Fluorophenol	112	4.612	4.430	0.182	92	210847	3.51	
$ 8 Phenol-d5	99	5.409	5.382	0.027	97	276535	3.62	
$ 9 Nitrobenzene-d5	82	6.238	6.227	0.011	87	150414	2.30	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	99	310698	2.29	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	86	54767	3.16	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	98	345672	2.54	
41 Phenol	94		5.393					9
44 Bis(2-chloroethyl)ether	93		5.484					9
46 2-Chlorophenol	128		5.532					9
47 1,3-Dichlorobenzene	146		5.677					9
48 1,4-Dichlorobenzene	146		5.746					9
49 Benzyl alcohol	108		5.853					9
50 1,2-Dichlorobenzene	146		5.885					
51 2-Methylphenol	108		5.944					9
52 2,2'-oxybis[1-chloropropane]	45		5.976					9
191 3 & 4 Methylphenol	108		6.078					
56 N-Nitrosodi-n-propylamine	70		6.088					
60 Hexachloroethane	117		6.190					9
61 Nitrobenzene	77		6.243					
63 Isophorone	82		6.452					
65 2-Nitrophenol	139		6.522					9
64 2,4-Dimethylphenol	107		6.548					9
69 Benzoic acid	122		6.618					9
68 Bis(2-chloroethoxy)methane	93		6.634					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.730					
72 1,2,4-Trichlorobenzene	180		6.805					
73 Naphthalene	128		6.875					
74 4-Chloroaniline	127		6.912					9
77 Hexachlorobutadiene	225		6.976					
84 4-Chloro-3-methylphenol	107		7.313					9
85 2-Methylnaphthalene	142		7.468					9
88 Hexachlorocyclopentadiene	237		7.597					
90 2,4,6-Trichlorophenol	196		7.698					
91 2,4,5-Trichlorophenol	196		7.730					
98 2-Chloronaphthalene	162		7.880					
100 2-Nitroaniline	65		7.955					9
103 Dimethyl phthalate	163		8.099					9
105 2,6-Dinitrotoluene	165		8.158					
107 Acenaphthylene	152		8.233					9
108 3-Nitroaniline	138		8.303					
110 Acenaphthene	153		8.378					9
109 2,4-Dinitrophenol	184		8.388					
111 4-Nitrophenol	109		8.426					9
112 2,4-Dinitrotoluene	165		8.495					9
114 Dibenzofuran	168		8.522					9
119 Diethyl phthalate	149		8.688					
121 4-Chlorophenyl phenyl ether	204		8.800					
124 Fluorene	166		8.811					
123 4-Nitroaniline	138		8.816					9
126 4,6-Dinitro-2-methylphenol	198		8.838					
130 N-Nitrosodiphenylamine	169		8.896					
137 4-Bromophenyl phenyl ether	248		9.212					
139 Hexachlorobenzene	284		9.271					
141 Pentachlorophenol	266		9.431					
146 Phenanthrene	178		9.624					9
147 Anthracene	178		9.667					9
149 Carbazole	167		9.795					9
151 Di-n-butyl phthalate	149		10.057					9
157 Fluoranthene	202		10.624					
160 Pyrene	202		10.822					
166 Butyl benzyl phthalate	149		11.389					
173 3,3'-Dichlorobenzidine	252		11.999					
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	57	10542	0.2698	
175 Benzo[a]anthracene	228		12.041					9
176 Chrysene	228		12.090					9
178 Di-n-octyl phthalate	149		12.881					
180 Benzo[b]fluoranthene	252		13.475					9
181 Benzo[k]fluoranthene	252		13.518					9
182 Benzo[a]pyrene	252		13.951					
186 Indeno[1,2,3-cd]pyrene	276		15.630					9
187 Dibenz(a,h)anthracene	278		15.657					
188 Benzo[g,h,i]perylene	276		16.031					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

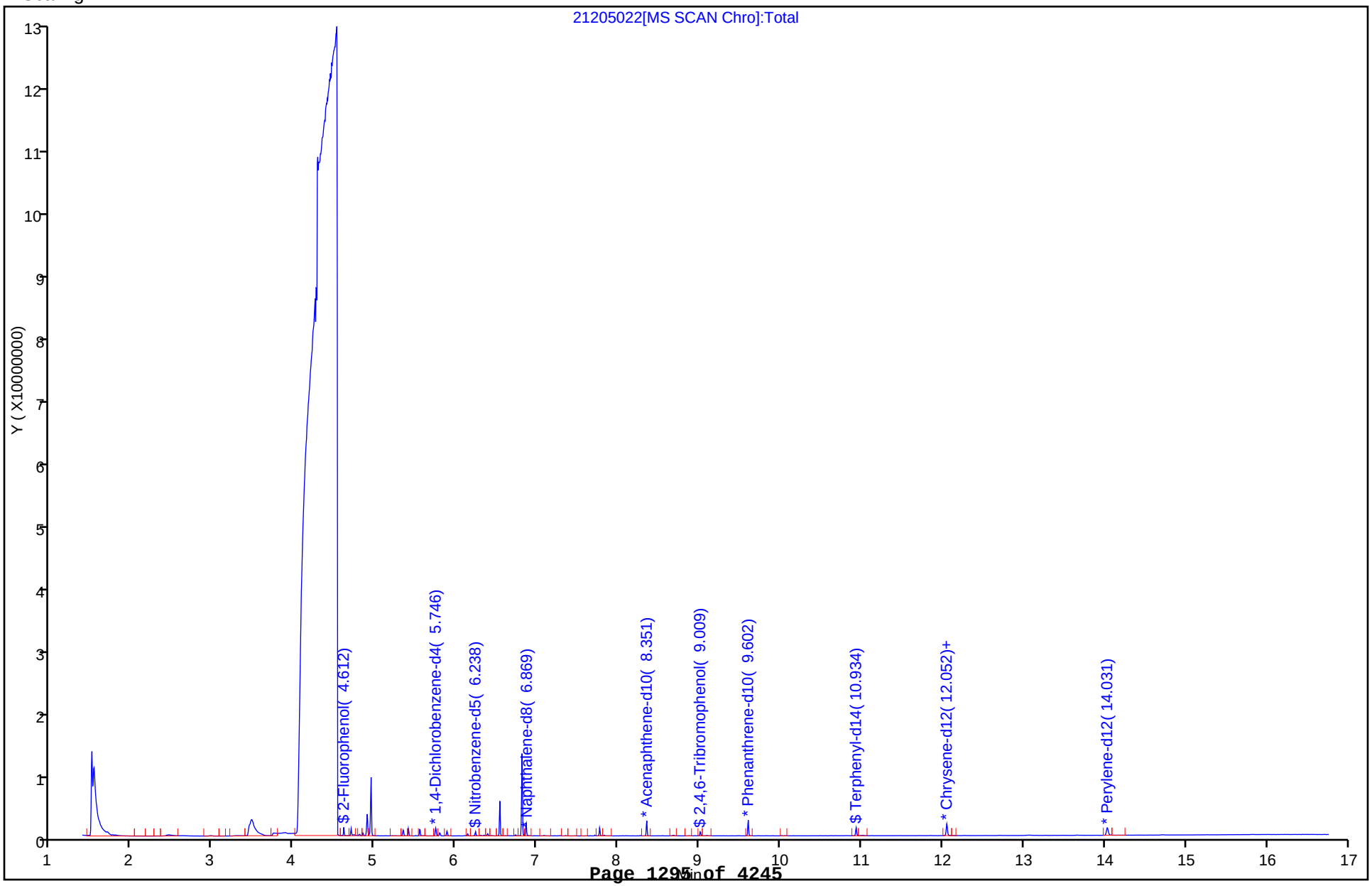
Report Date: 06-Dec-2012 08:49:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205022.D

Injection Date:	05-Dec-2012 17:17:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0028M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	22
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0029M-0001-SO | Lab Sample ID: 240-17796-8

Matrix: Solid | Lab File ID: 21204016.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.96(g) | Date Analyzed: 12/04/2012 14:53

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	22		6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.7	3.3	3.3
120-12-7	Anthracene	72		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	110		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	88		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	100		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	48		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	37	M	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	38	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	28	J	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	100		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	24		6.7	3.3	3.3
132-64-9	Dibenzofuran	36	J	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0029M-0001-SO | Lab Sample ID: 240-17796-8

Matrix: Solid | Lab File ID: 21204016.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.96(g) | Date Analyzed: 12/04/2012 14:53

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.: 67225 | 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	290		6.7	3.3	3.3
86-73-7	Fluorene	46		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	44		6.7	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	24		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	38		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	330		6.7	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	200		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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0029M-0001-SO | Lab Sample ID: 240-17796-8

Matrix: Solid | Lab File ID: 21204016.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.96(g) | Date Analyzed: 12/04/2012 14:53

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	73		35-100
4165-62-2	Phenol-d5 (Surr)	75		40-100
1718-51-0	Terphenyl-d14 (Surr)	77		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	64		35-125

Report Date: 05-Dec-2012 13:46:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Lims ID:	240-17796-E-8-B	Client ID:	076SB-0029M-0001-SO
Inject. Date:	04-Dec-2012 14:53:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015502-016		
Misc. Info.:	240-17796-e-8-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	67225	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		

First Level Reviewer: gruberj Date: 04-Dec-2012 15:31:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.785	5.769	0.016	94	171545	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	84	650809	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	89	393396	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	678264	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	707086	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	96	662288	4.00	
$ 7 2-Fluorophenol	112	4.790	4.486	0.304	89	547969	10.3	
$ 8 Phenol-d5	99	5.470	5.422	0.048	96	759502	11.3	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	87	417049	7.29	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	867638	6.80	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	92	156023	9.59	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	99	1003700	7.66	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					
47 1,3-Dichlorobenzene	146		5.721					
48 1,4-Dichlorobenzene	146		5.785					
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					
61 Nitrobenzene	77		6.283					
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					9
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					9
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.914	6.914	0.0	91	93356	0.5741	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142	7.502	7.508	-0.006	74	38002	0.3653	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					9
98 2-Chloronaphthalene	162		7.919					9
100 2-Nitroaniline	65		8.000					9
103 Dimethyl phthalate	163		8.139					
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					
110 Acenaphthene	153	8.417	8.417	0.0	89	36003	0.3336	
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					
114 Dibenzofuran	168	8.561	8.561	0.0	92	85184	0.5319	
119 Diethyl phthalate	149		8.727					
121 4-Chlorophenyl phenyl ether	204		8.839					9
124 Fluorene	166	8.850	8.850	0.0	86	88177	0.6856	
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					9
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					9
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					9
146 Phenanthrene	178	9.663	9.663	0.0	97	905721	4.89	
147 Anthracene	178	9.706	9.711	-0.005	94	198321	1.08	
149 Carbazole	167	9.834	9.834	0.0	69	75972	0.4248	
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	73	30903	0.1539	
157 Fluoranthene	202	10.674	10.669	0.005	96	892625	4.36	
160 Pyrene	202	10.867	10.866	0.001	97	681965	3.02	
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					
171 Bis(2-ethylhexyl) phthalate	149	12.075	12.081	-0.006	69	49176	0.5702	
175 Benzo[a]anthracene	228	12.102	12.107	-0.005	97	311233	1.58	
176 Chrysene	228	12.150	12.150	0.0	90	289407	1.54	
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.557	13.551	0.006	93	323794	1.53	
181 Benzo[k]fluoranthene	252	13.584	13.594	-0.010	98	127532	0.5555	M
182 Benzo[a]pyrene	252	14.038	14.038	0.0	68	256640	1.31	
186 Indeno[1,2,3-cd]pyrene	276	15.723	15.723	0.0	96	137683	0.6661	
187 Dibenz(a,h)anthracene	278	15.739	15.750	-0.011	19	38847	0.3579	
188 Benzo[g,h,i]perylene	276	16.135	16.135	0.0	80	136899	0.7220	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

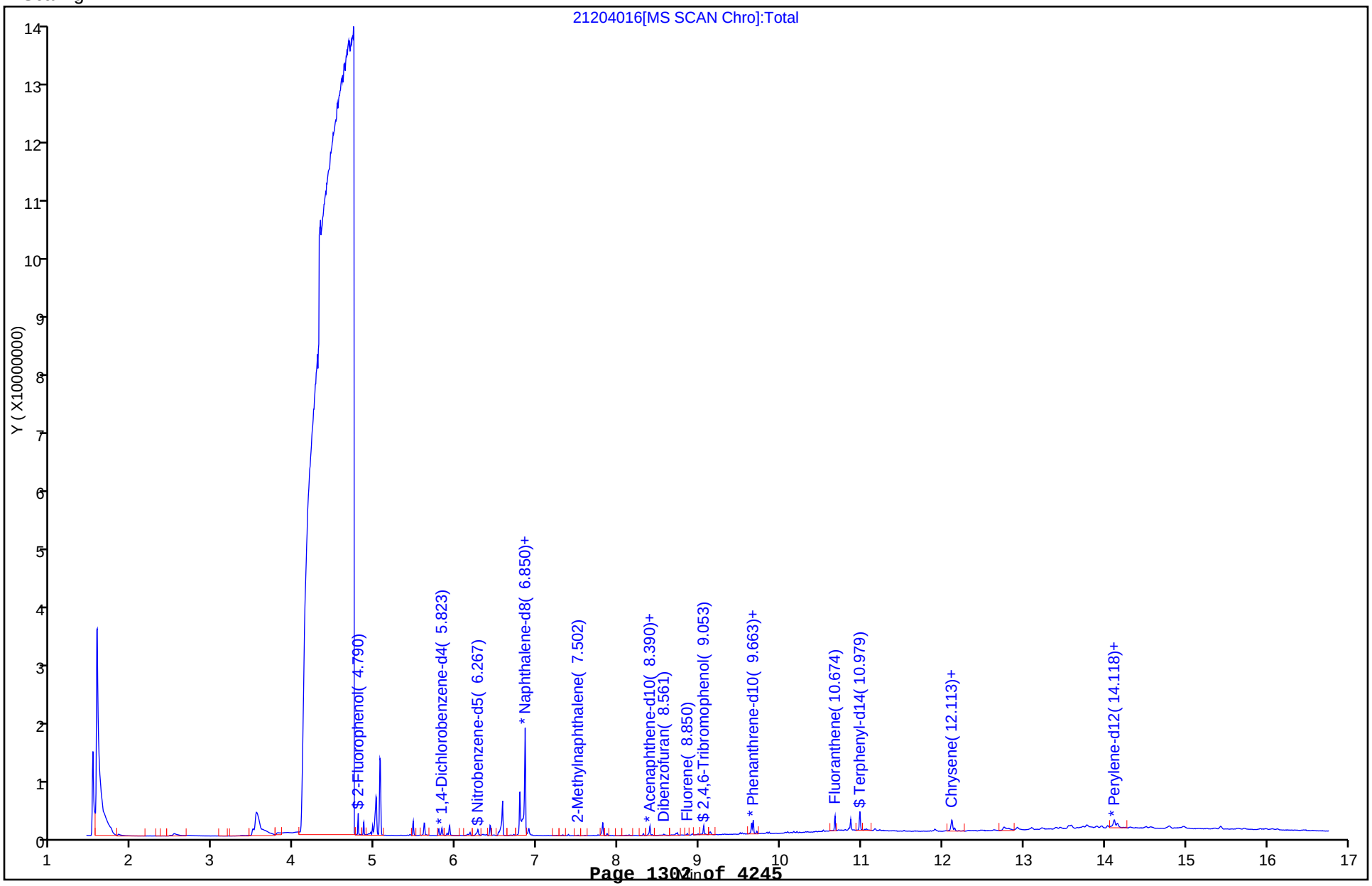
Review Flags
M - Manually Integrated

Report Date: 05-Dec-2012 13:46:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



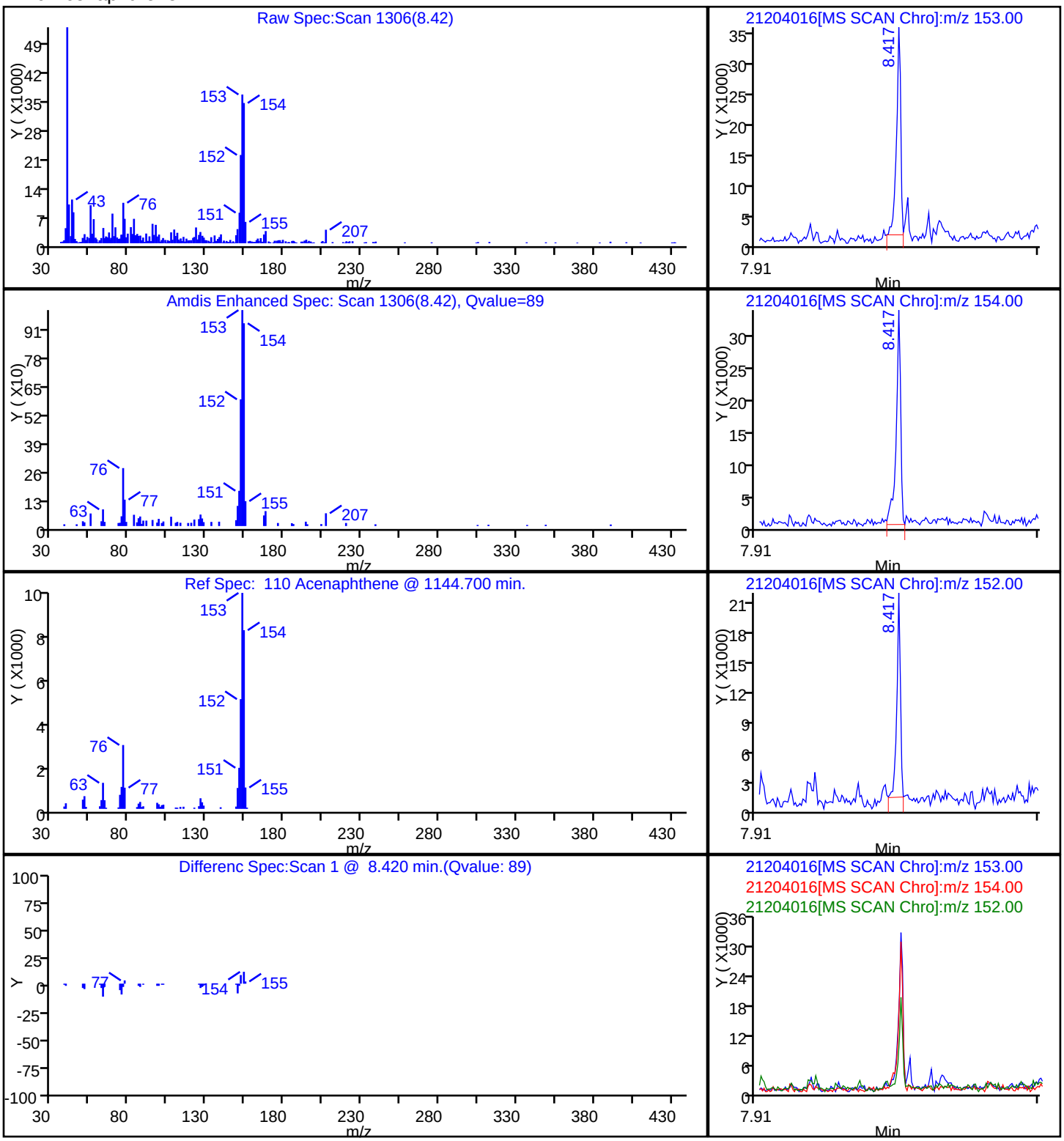
Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

110 Acenaphthene



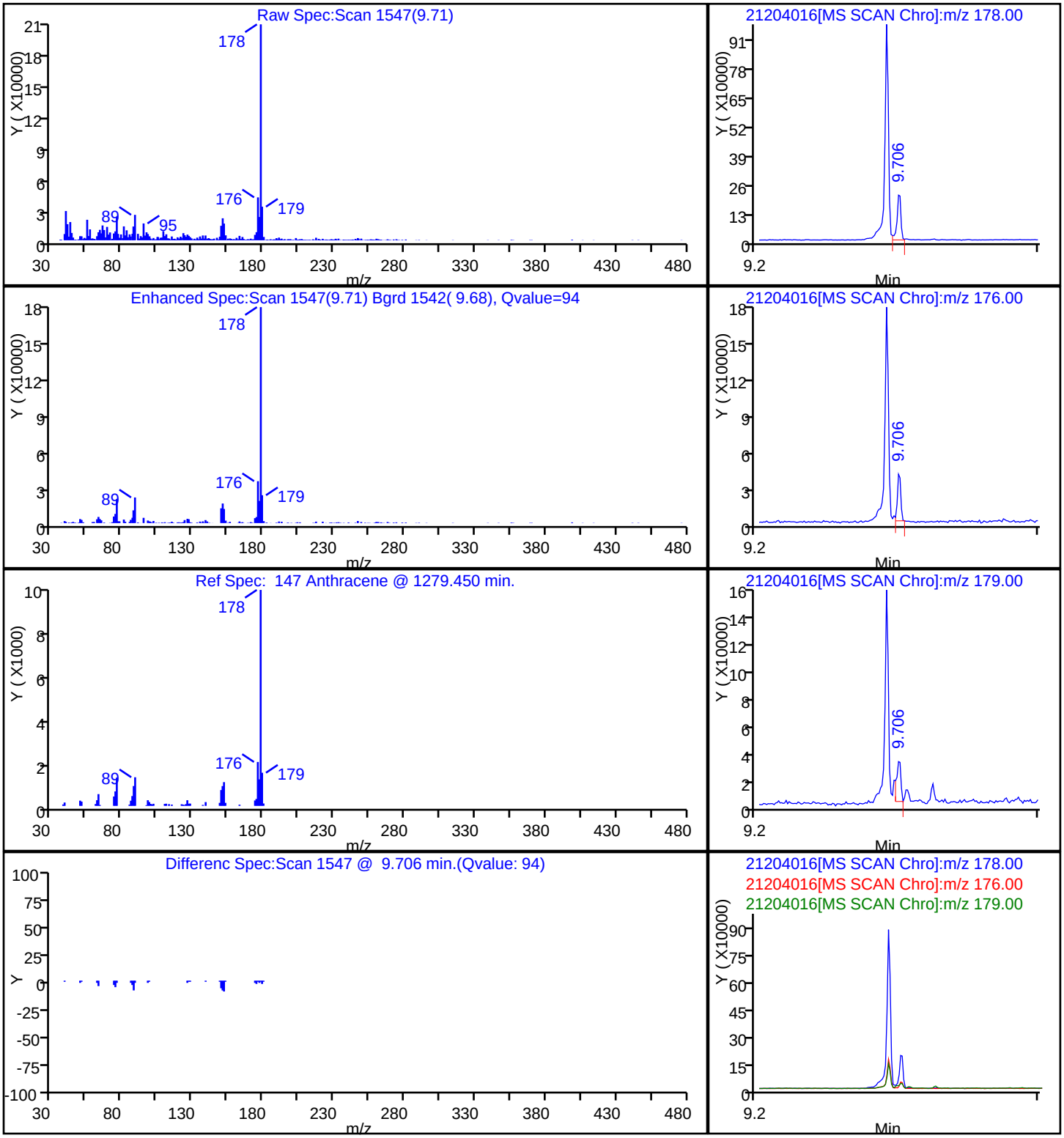
Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

147 Anthracene



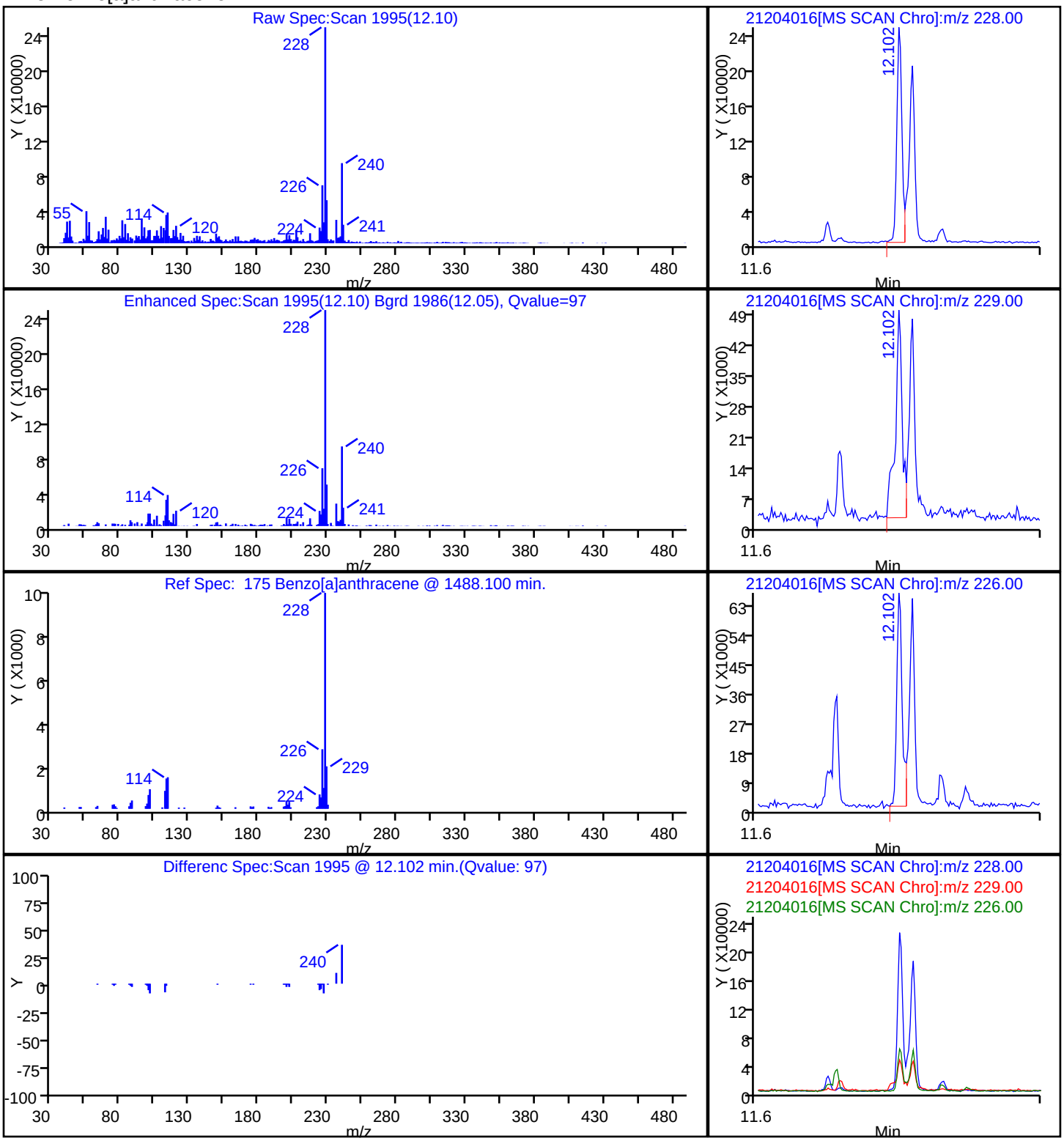
Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene

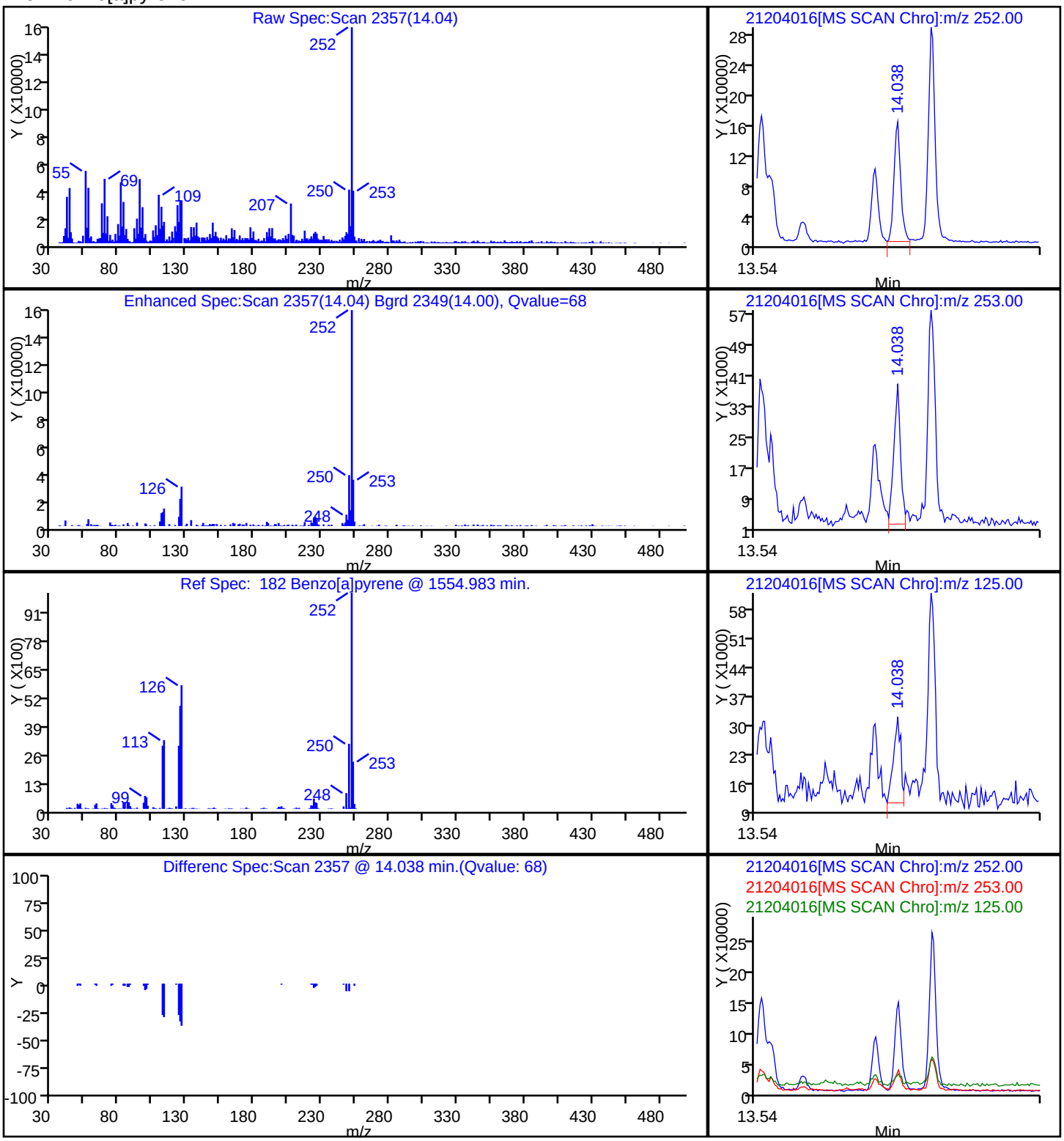


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



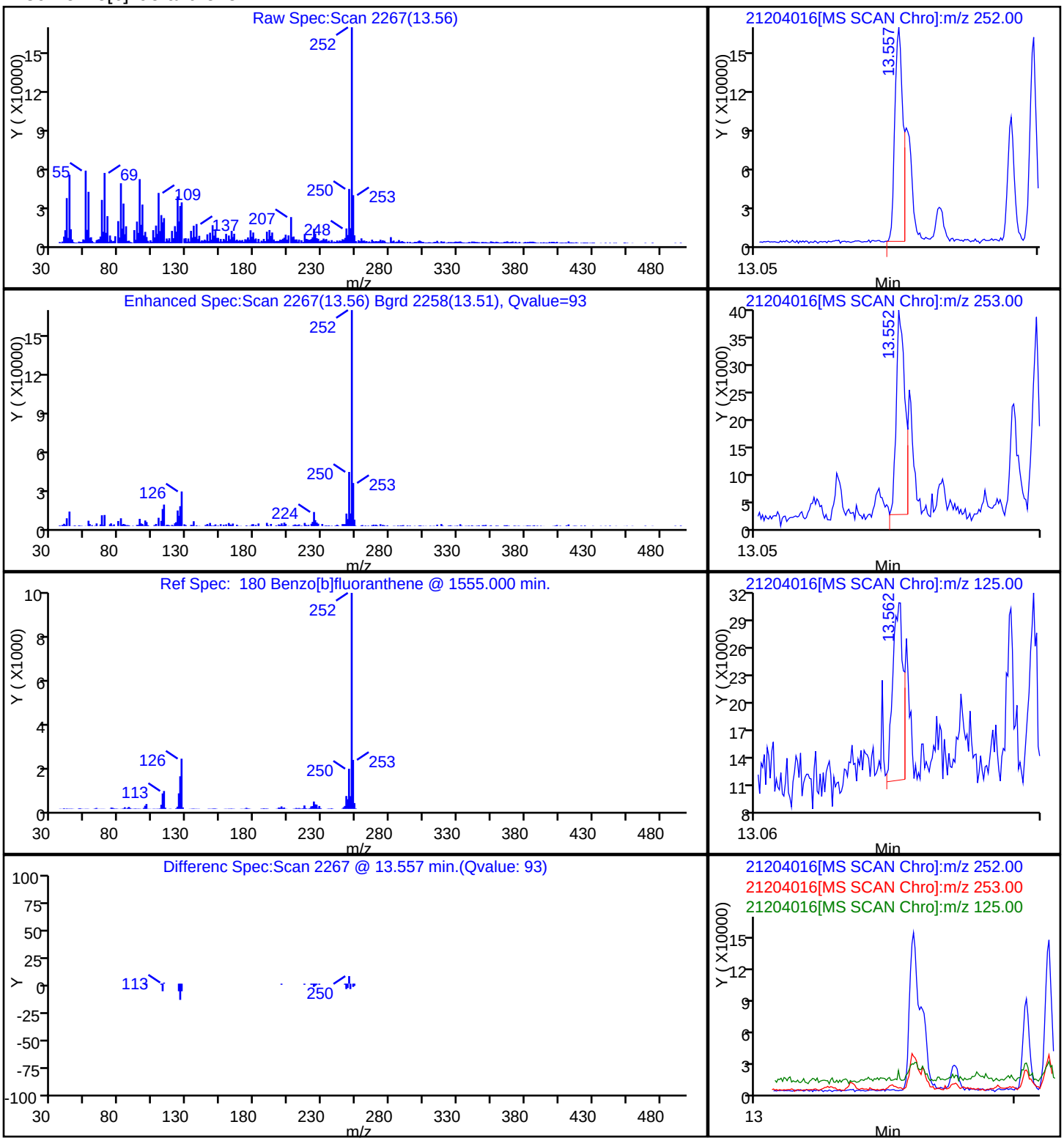
Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene

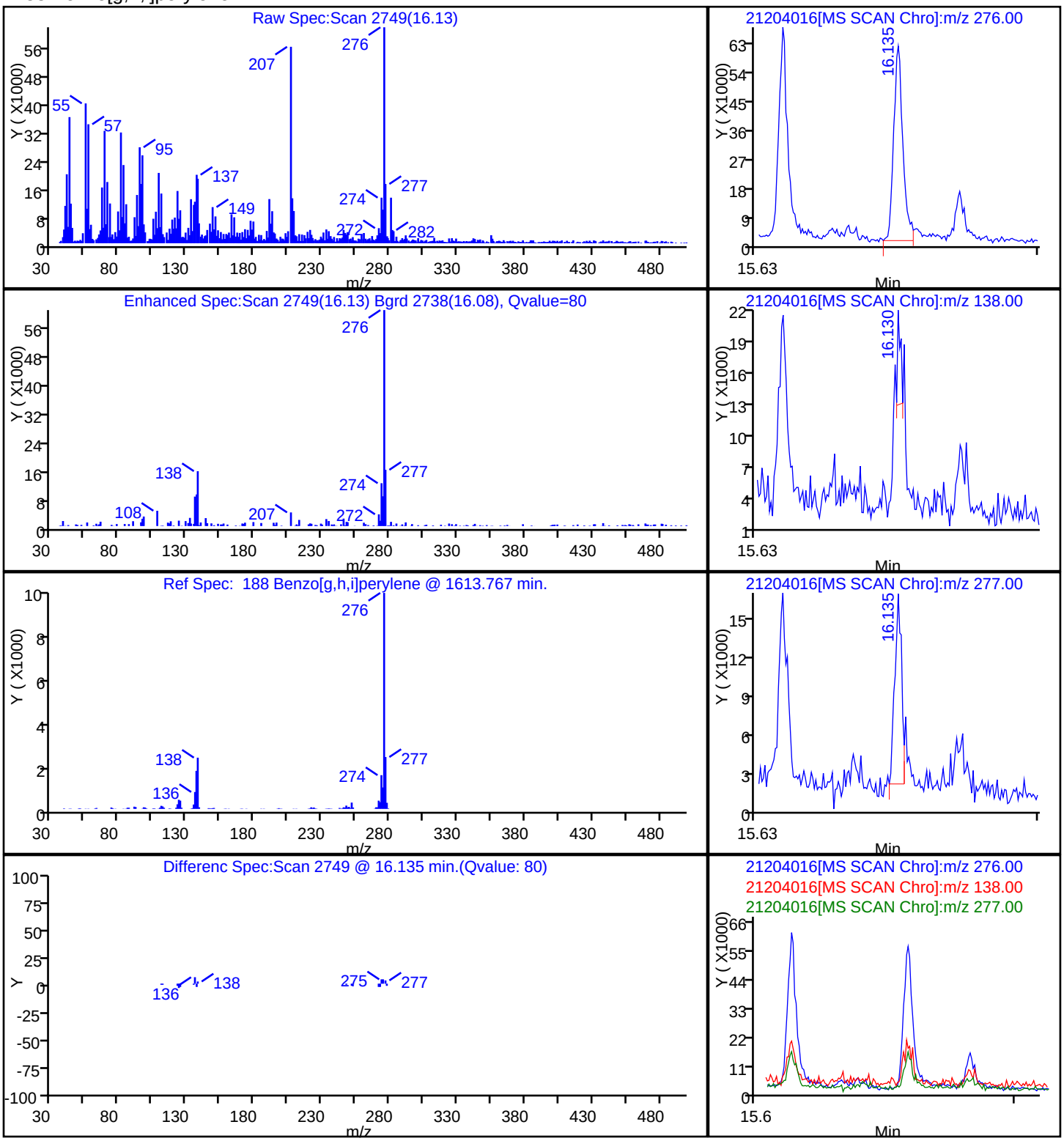


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene

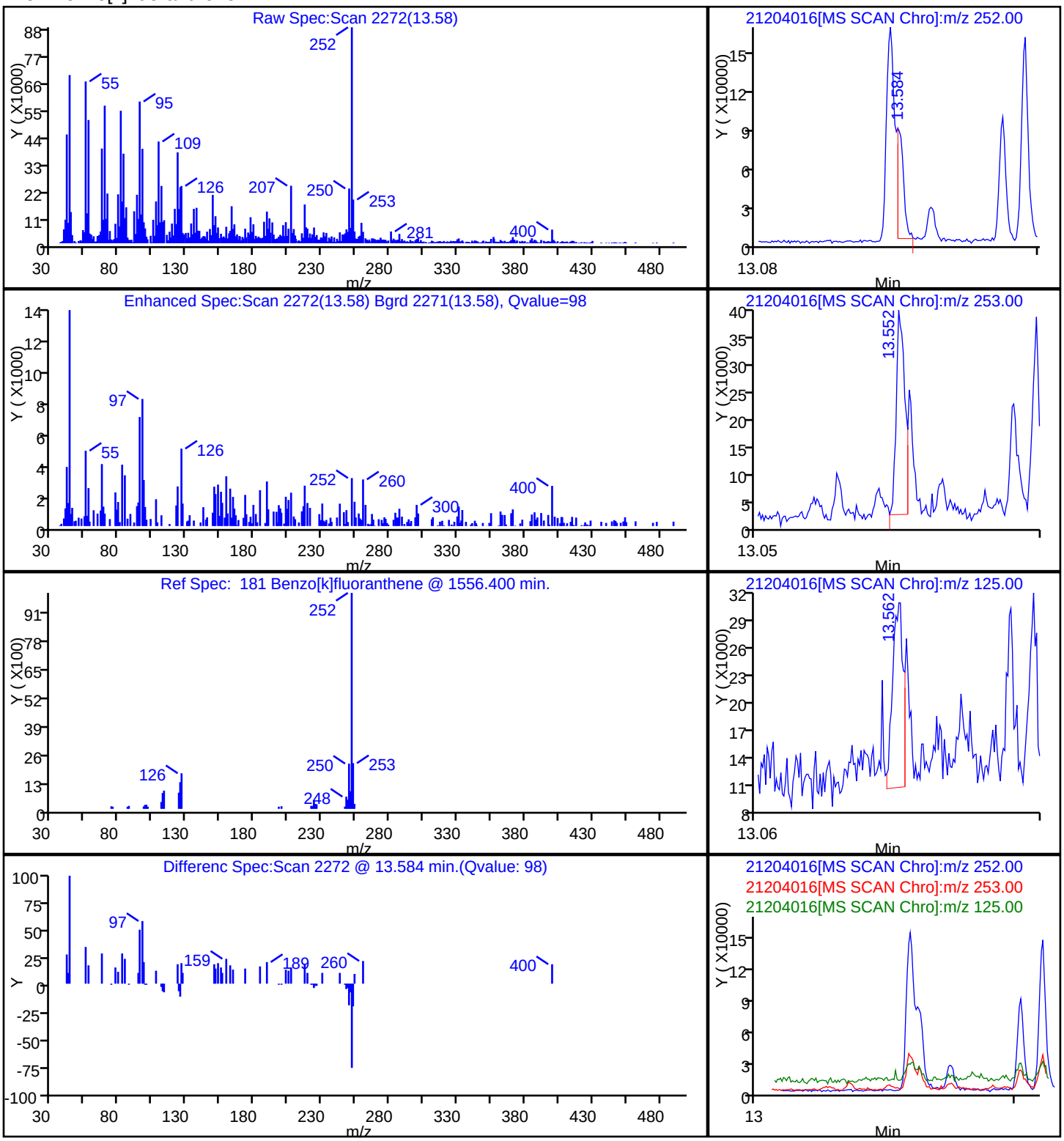


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene

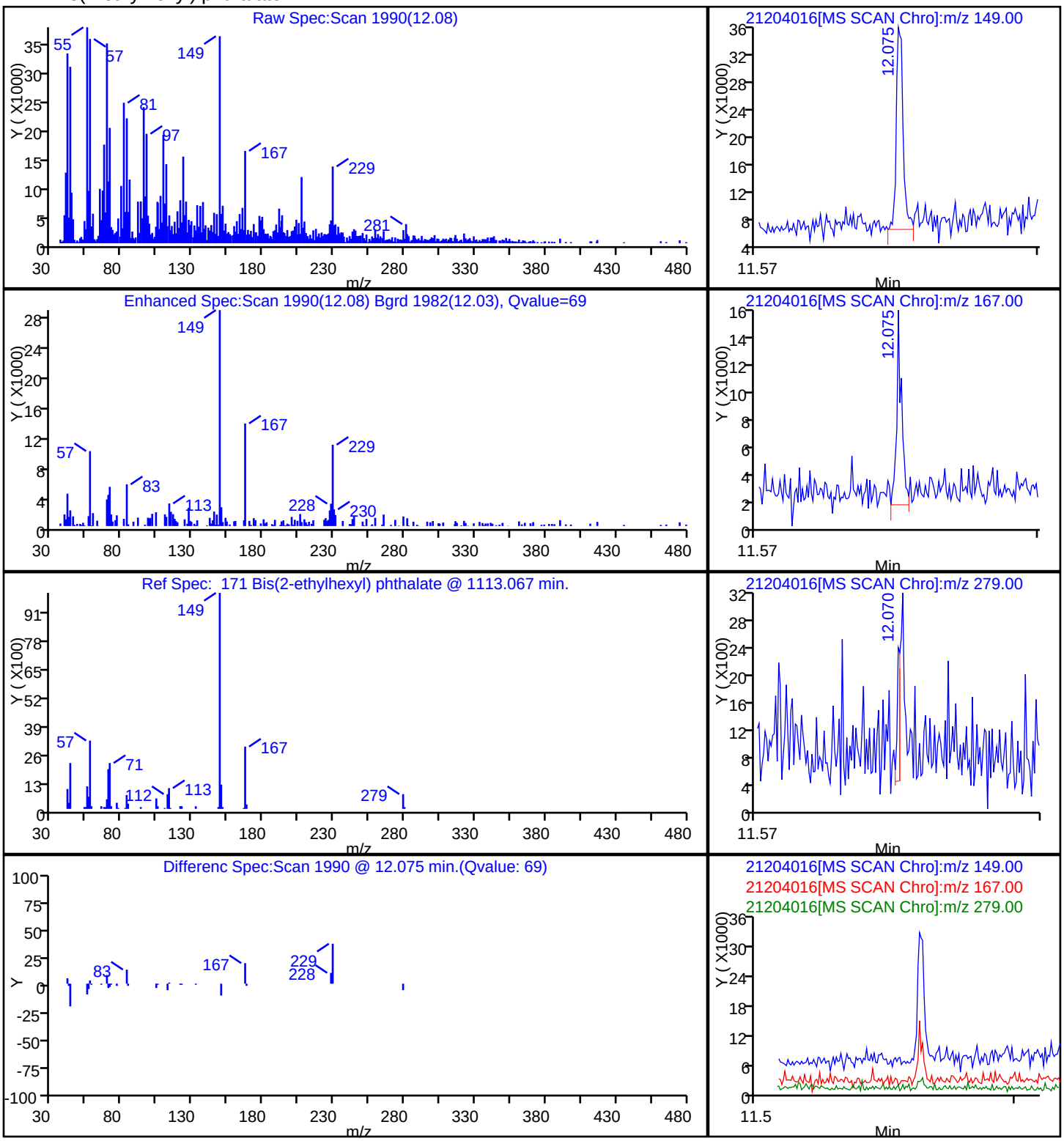


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate

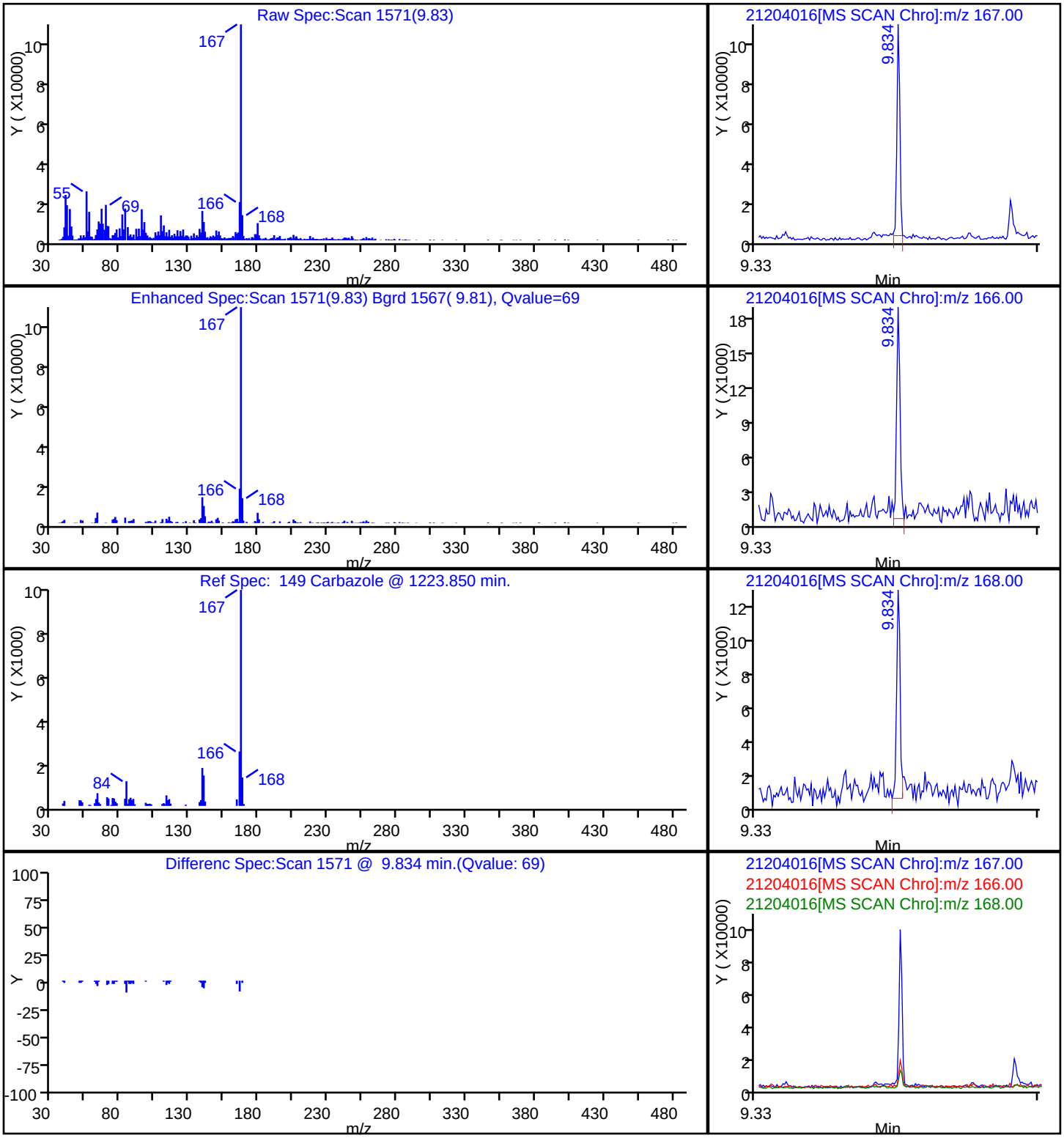


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

149 Carbazole

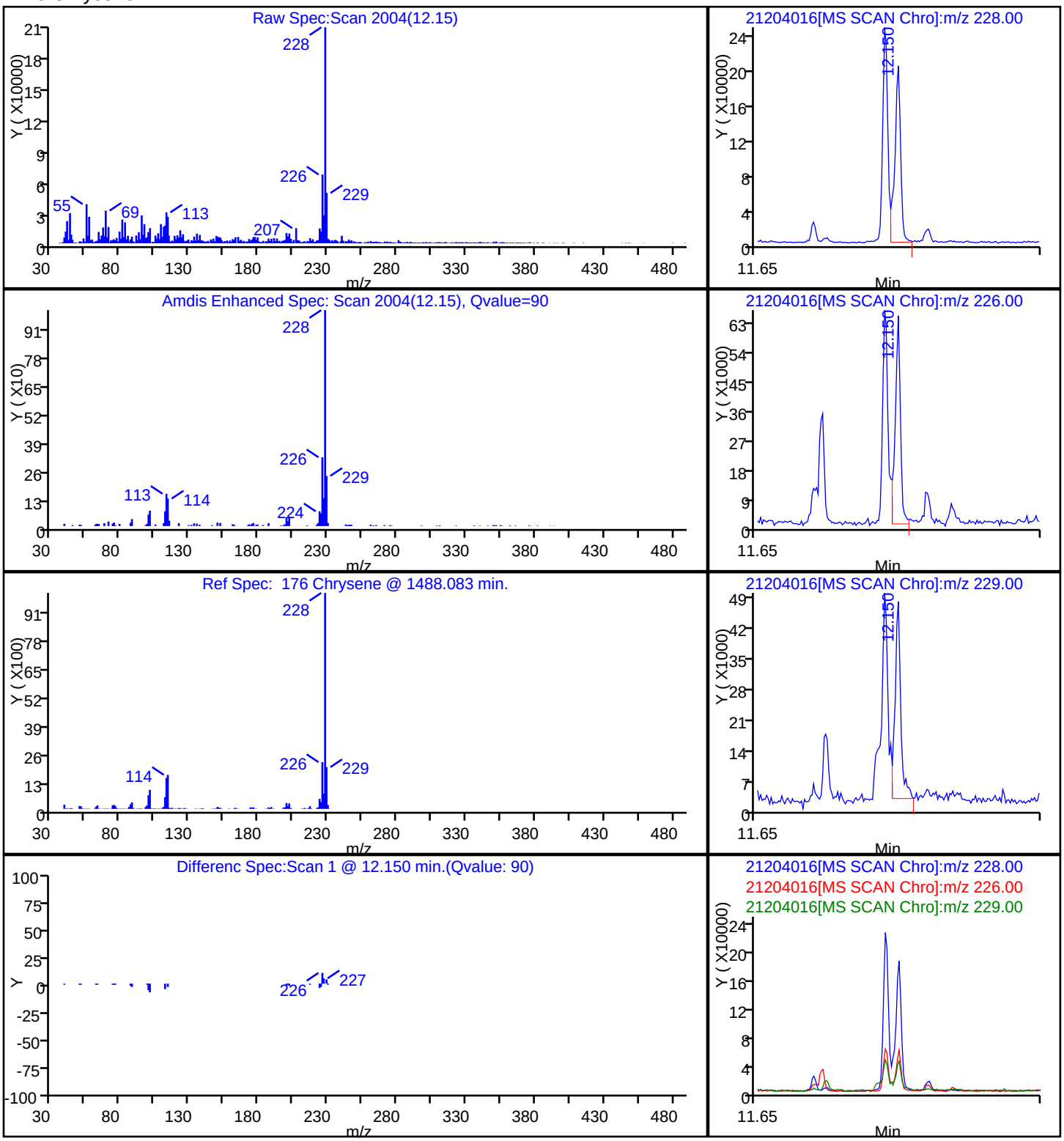


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene

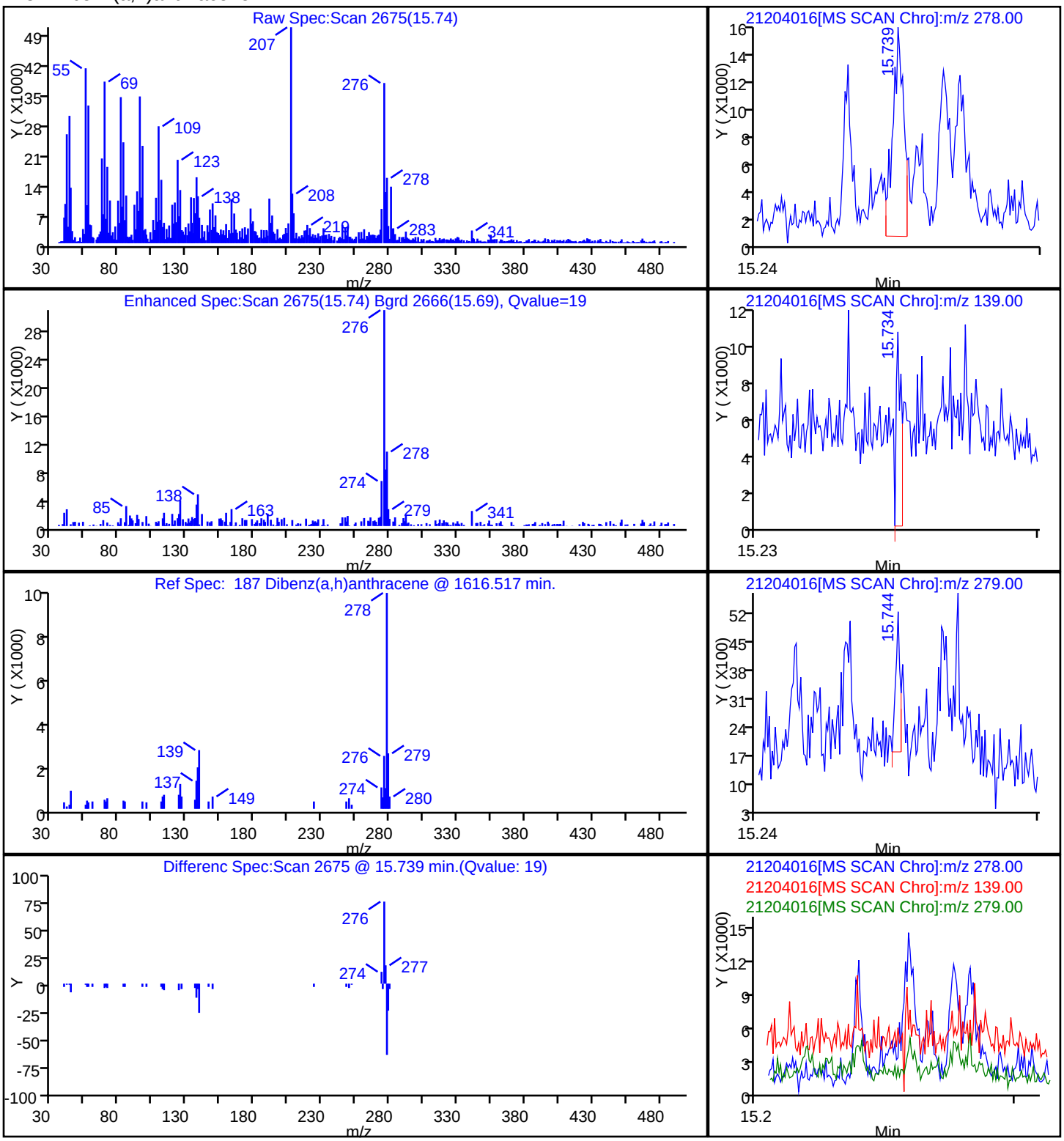


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

187 Dibenz(a,h)anthracene



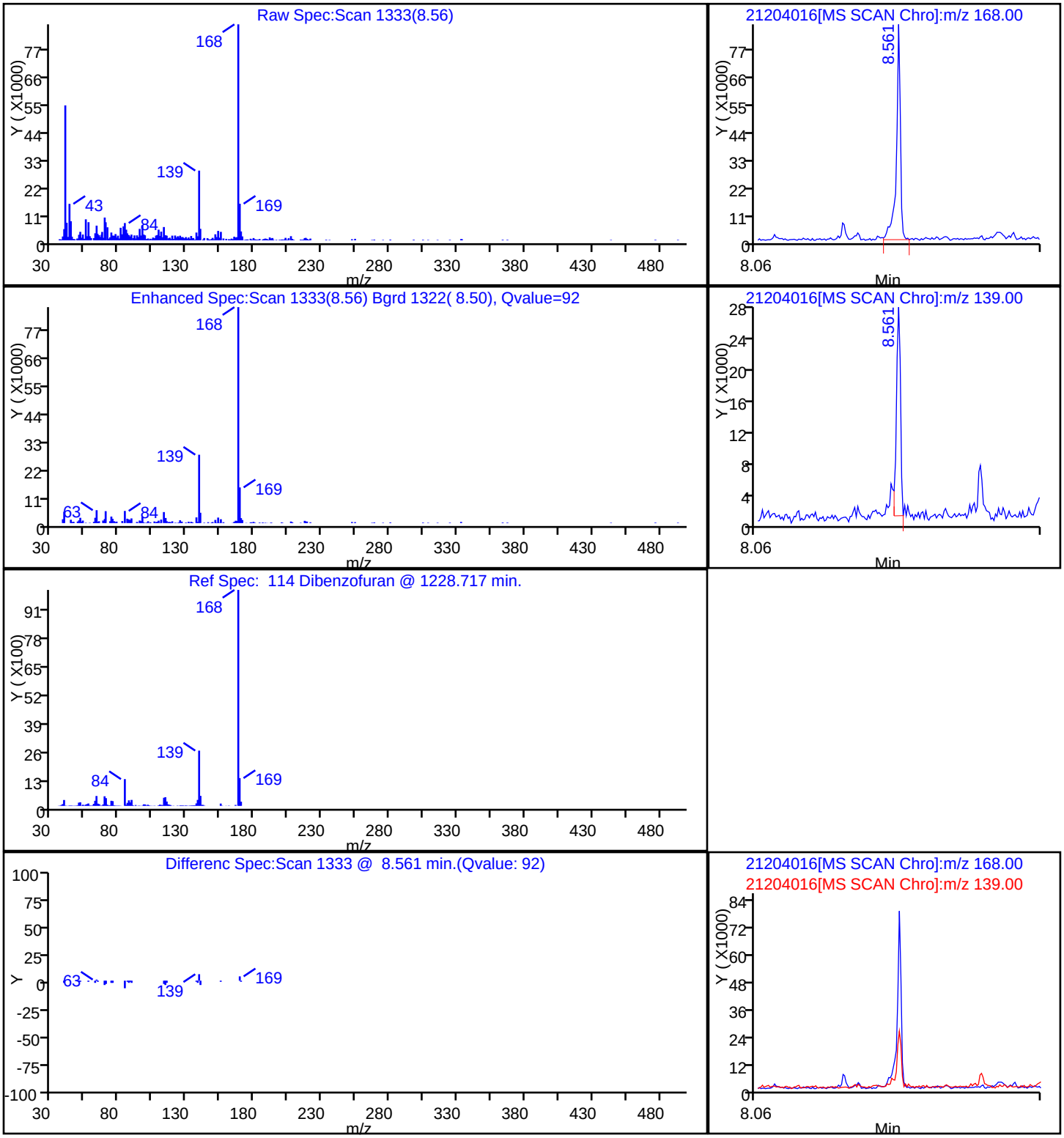
Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

114 Dibenzofuran



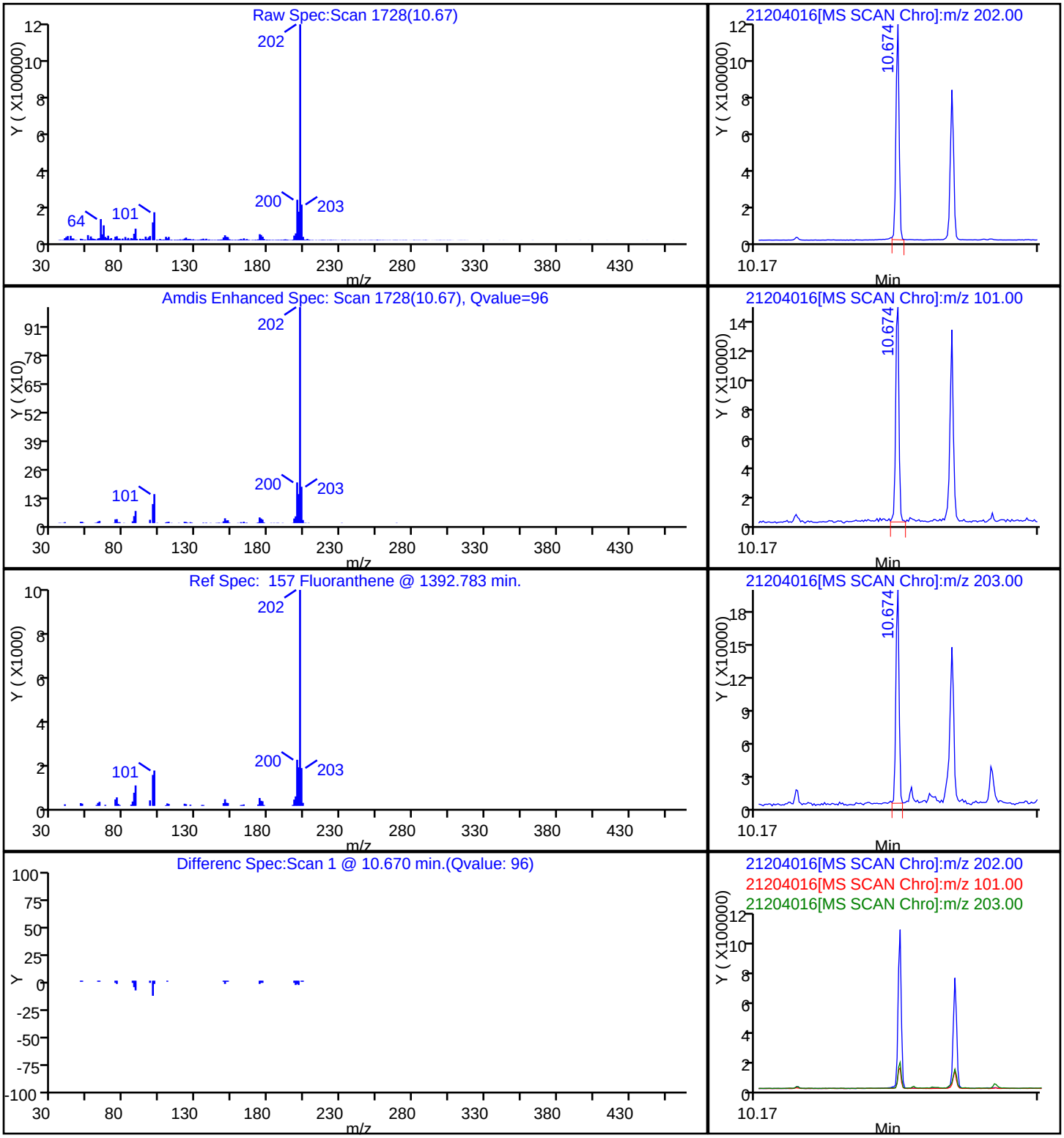
Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

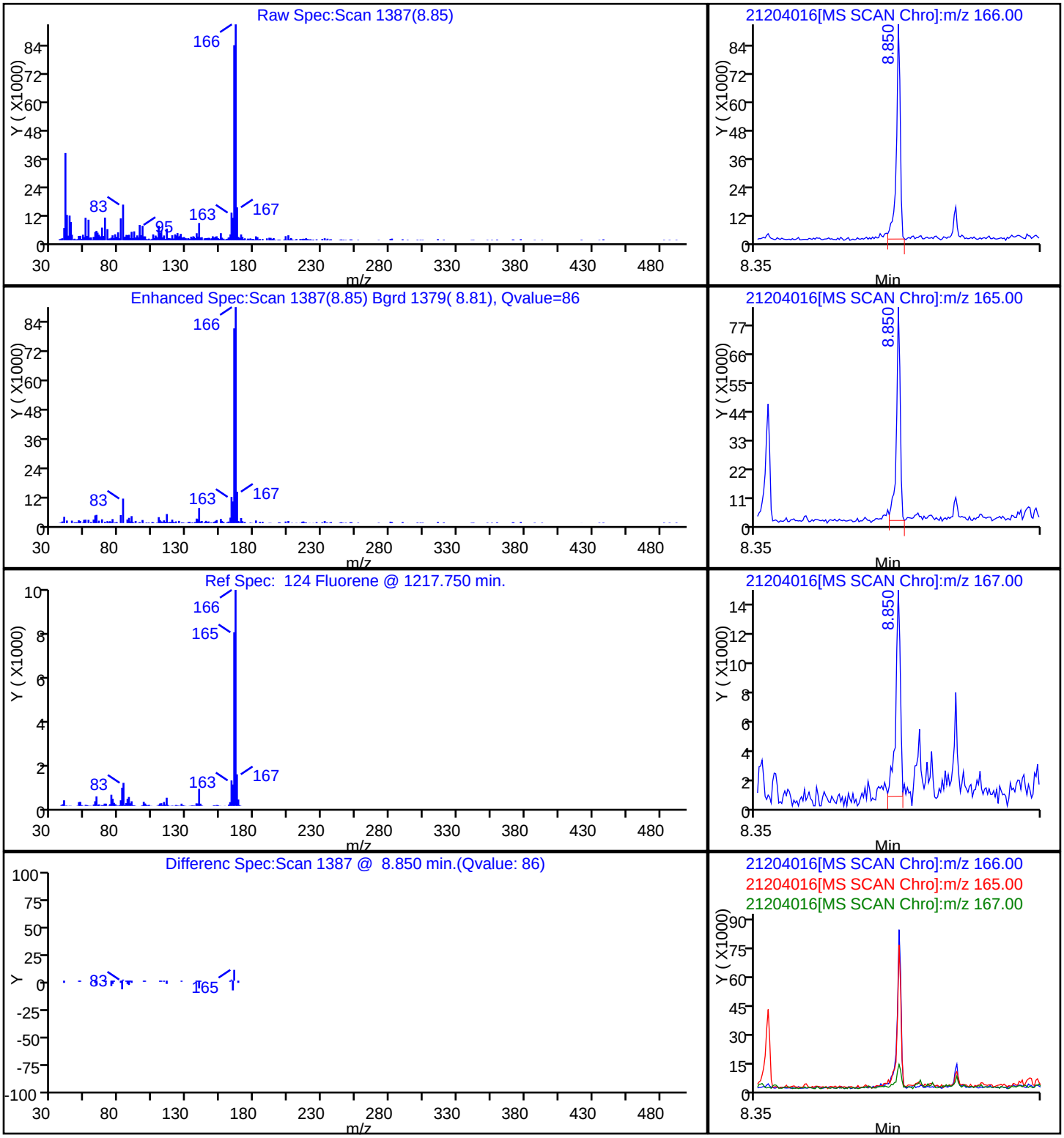


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

124 Fluorene

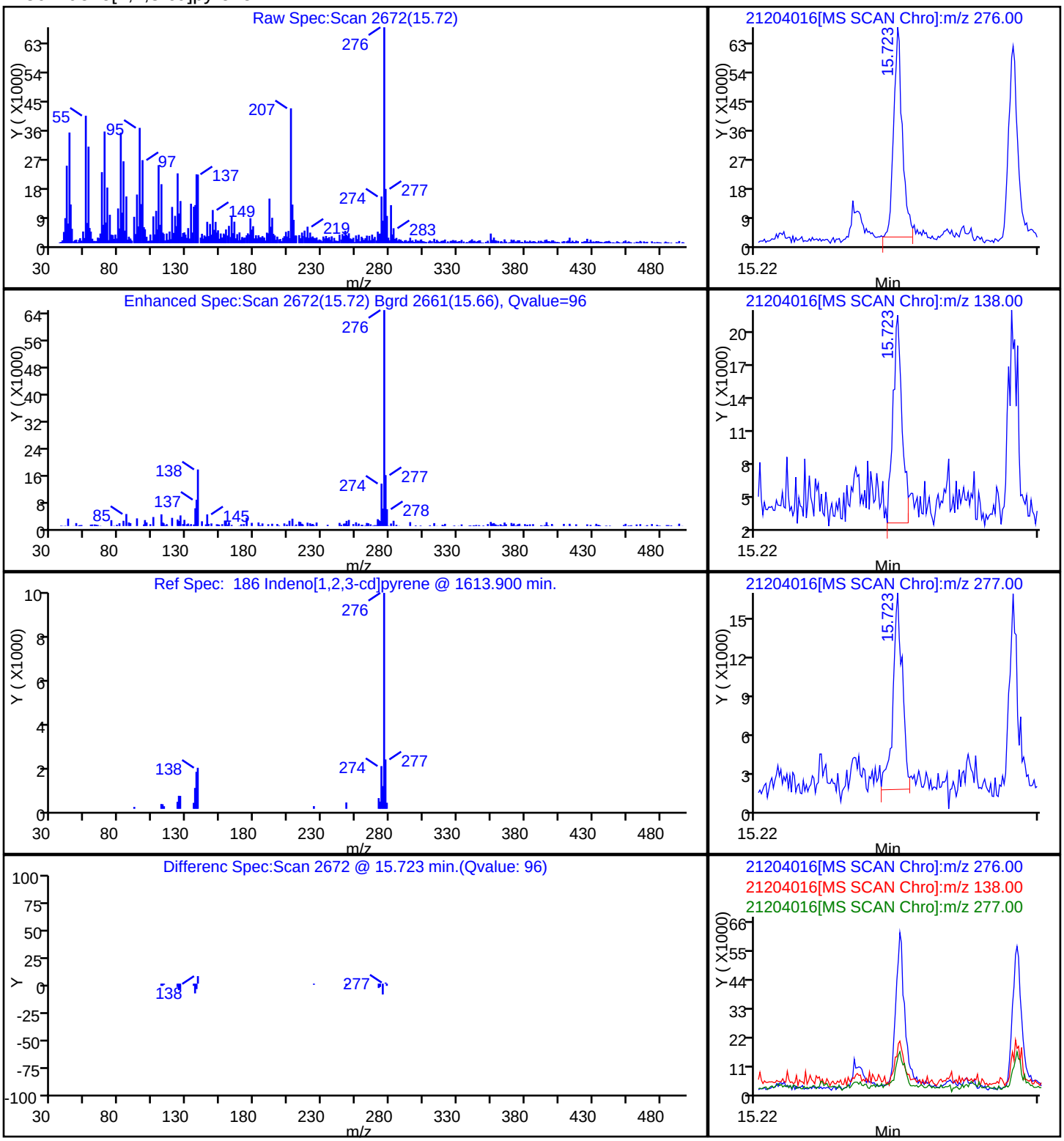


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene



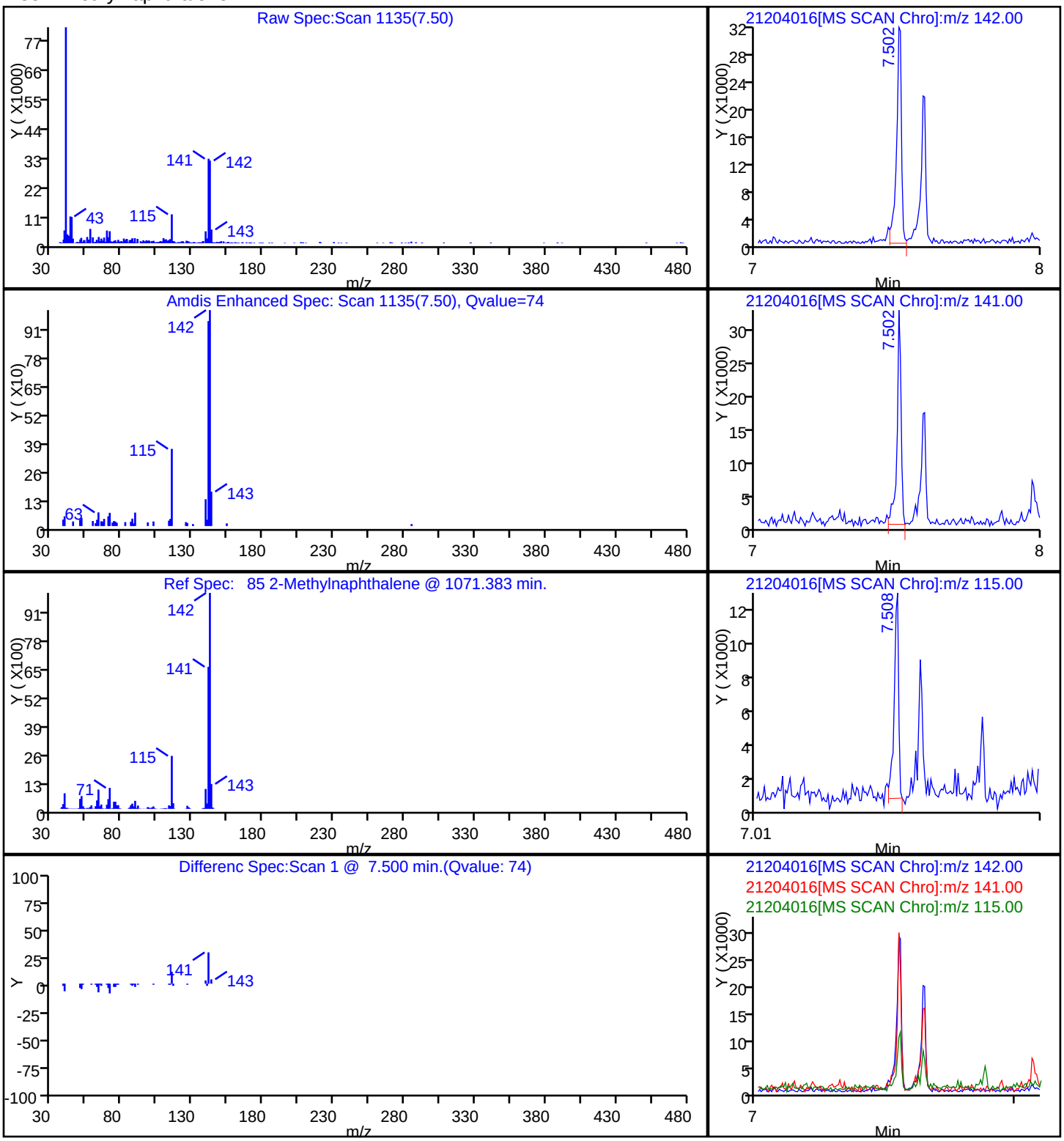
Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



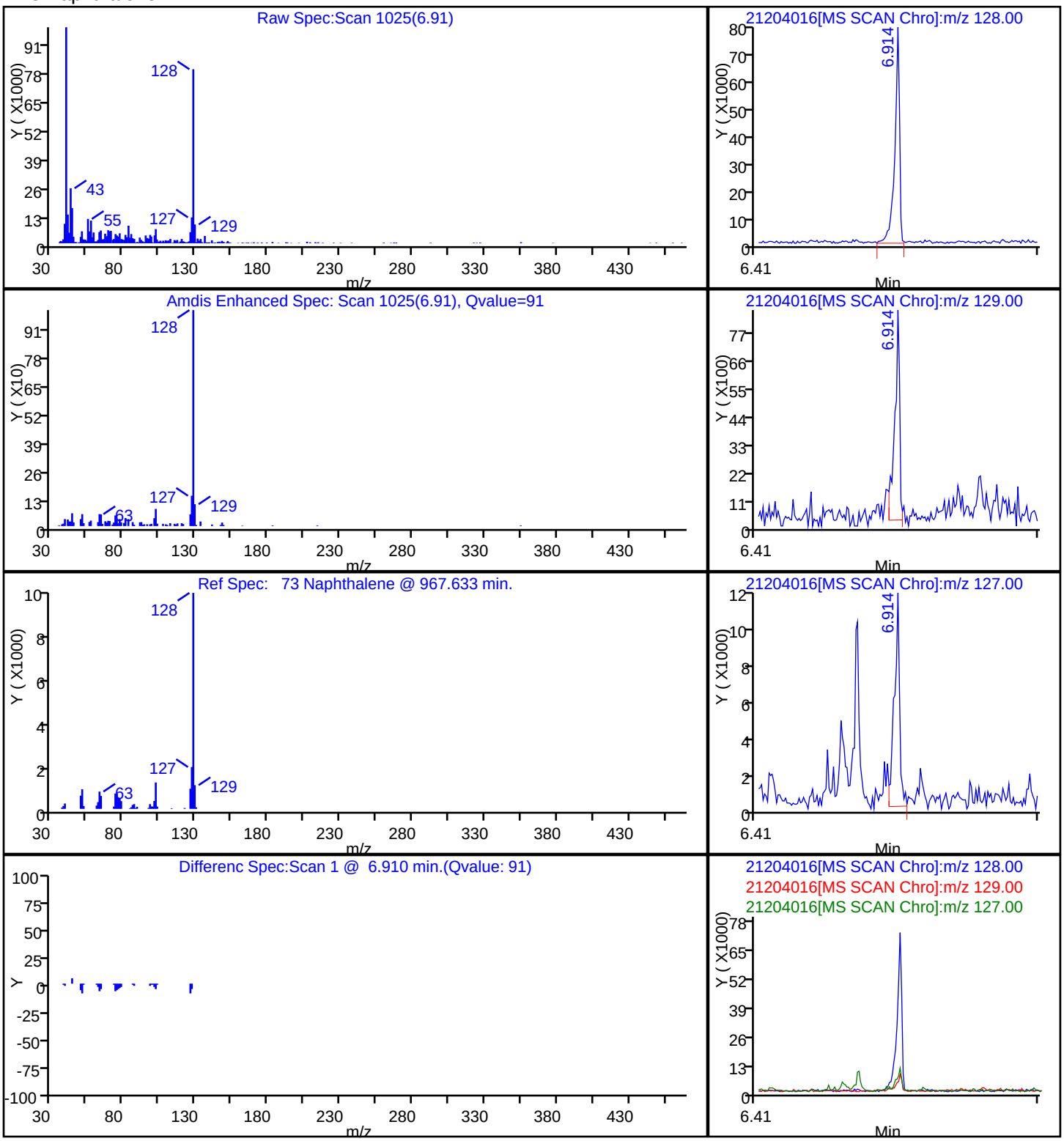
Report Date: 05-Dec-2012 13:46:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene

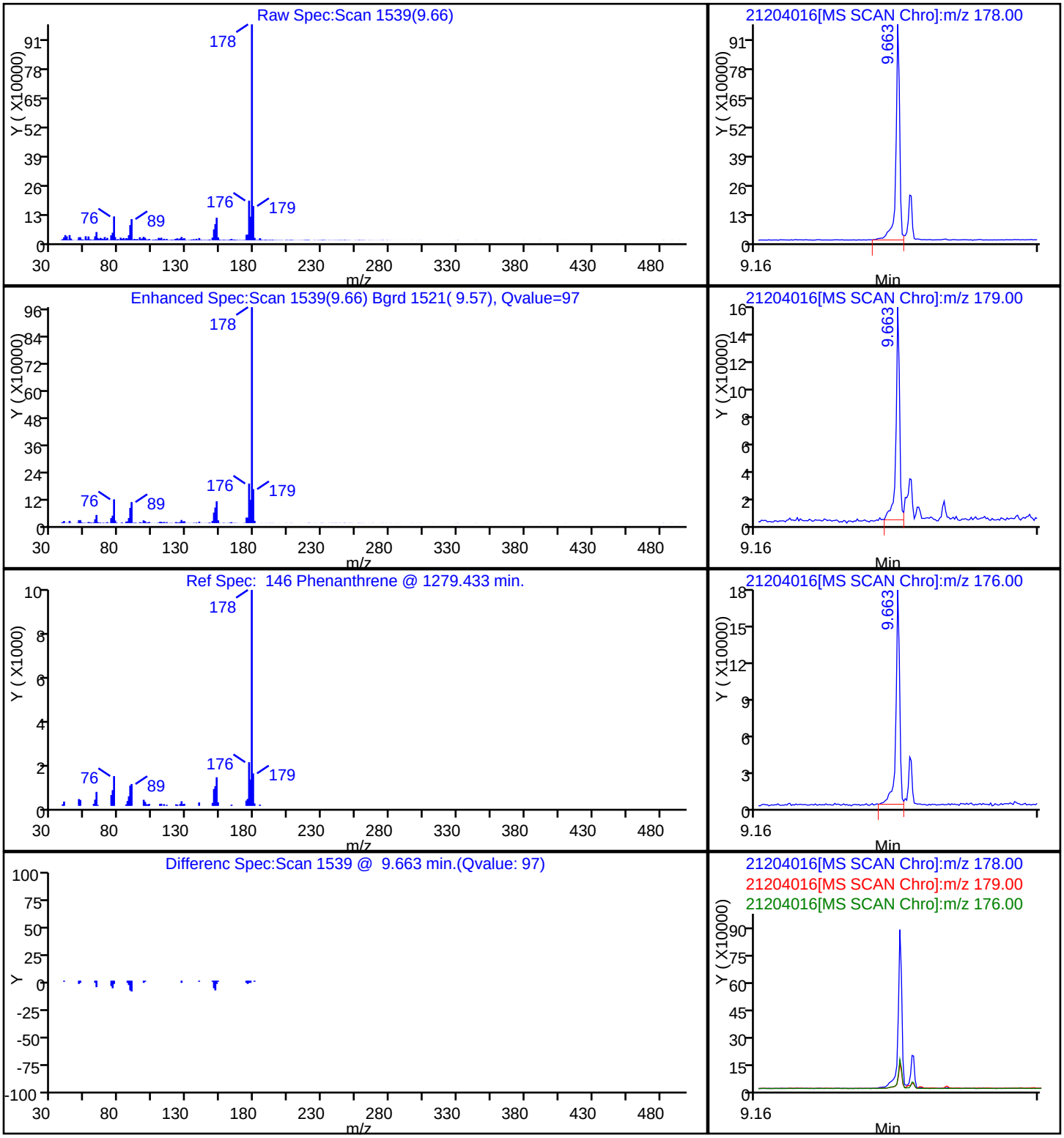


Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



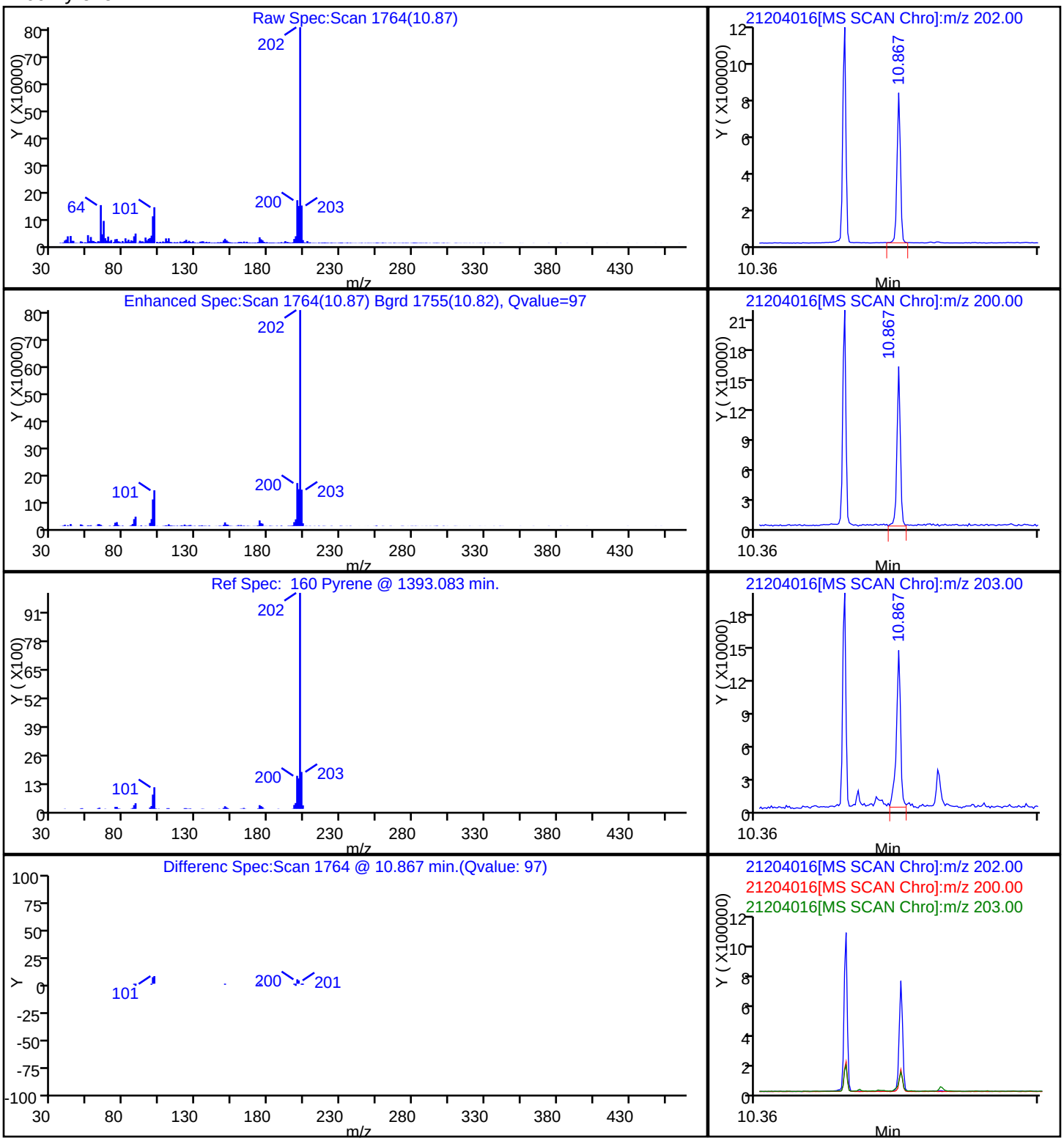
Report Date: 05-Dec-2012 13:46:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D

Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
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

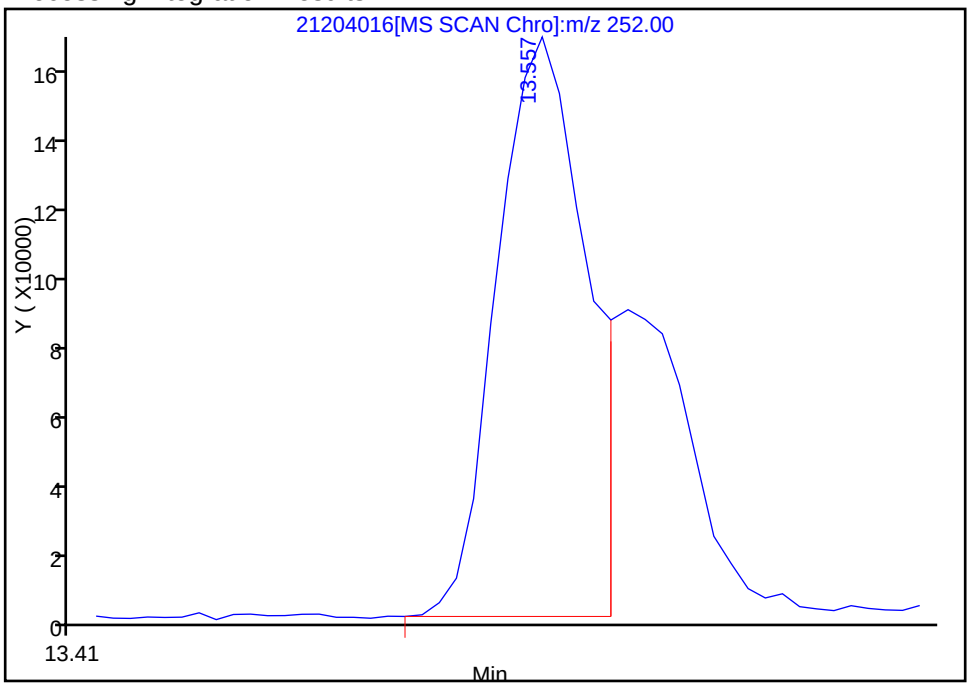
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204016.D		
Injection Date:	04-Dec-2012 14:53:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0029M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.59

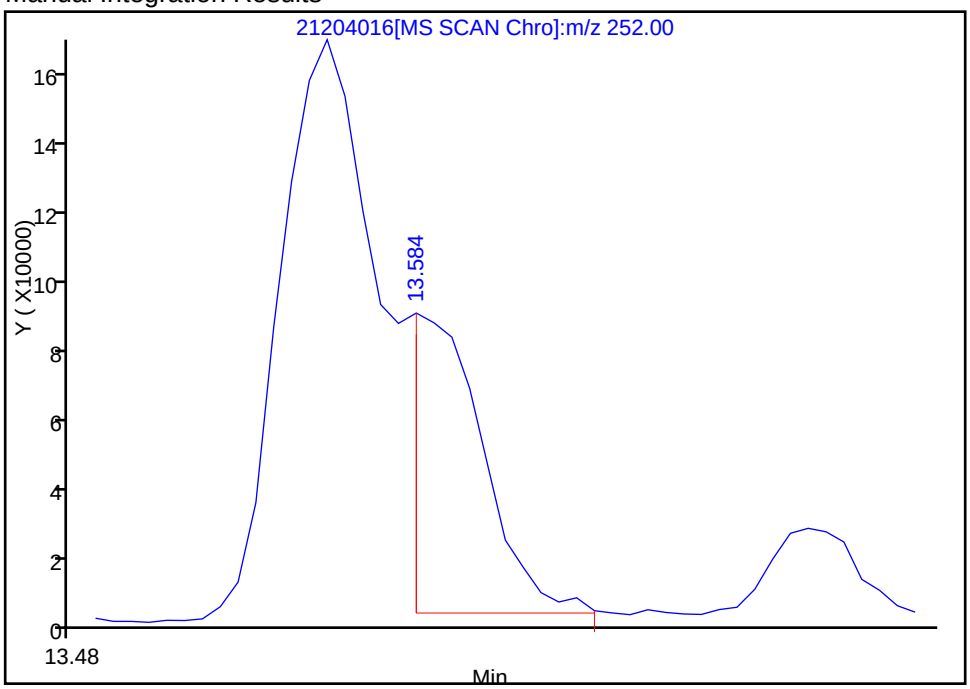
Processing Integration Results

RT: 13.56
Response: 323794
Amount: 1.410411



Manual Integration Results

RT: 13.58
Response: 127532
Amount: 0.555515



Reviewer: gruberj, 04-Dec-2012 15:31:46
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0053M-0001-SO | Lab Sample ID: 240-17796-9

Matrix: Solid | Lab File ID: 21205021.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:55

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.92(g) | Date Analyzed: 12/05/2012 16:54

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.: 67390 | 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	55	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	8.3	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0053M-0001-SO | Lab Sample ID: 240-17796-9

Matrix: Solid | Lab File ID: 21205021.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:55

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.92(g) | Date Analyzed: 12/05/2012 16:54

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.: 67390 | 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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0053M-0001-SO | Lab Sample ID: 240-17796-9

Matrix: Solid | Lab File ID: 21205021.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:55

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.92(g) | Date Analyzed: 12/05/2012 16:54

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.: 67390 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	56		45-105
367-12-4	2-Fluorophenol (Surr)	60		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)	65		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	61		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205021.D		
Lims ID:	240-17796-B-9-B	Client ID:	076SB-0053M-0001-SO
Inject. Date:	05-Dec-2012 16:54:30	Dil. Factor:	2.5000
Sample Type:	Client		
Sample ID:	240-0015541-021		
Misc. Info.:	240-17796-b-9-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	67390	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 08:49:41	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:	XAWRK028		

First Level Reviewer: gruberj Date: 06-Dec-2012 08:47:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.746	5.730	0.016	95	195512	4.00	
* 2 Naphthalene-d8	136	6.864	6.859	0.005	99	745040	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	92	433584	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	98	732706	4.00	
* 5 Chrysene-d12	240	12.052	12.057	-0.005	94	741595	4.00	
* 6 Perylene-d12	264	14.031	14.036	-0.005	90	648206	4.00	
$ 7 2-Fluorophenol	112	4.617	4.430	0.187	93	219286	3.63	
$ 8 Phenol-d5	99	5.414	5.382	0.032	95	284072	3.70	
$ 9 Nitrobenzene-d5	82	6.238	6.227	0.011	89	151974	2.32	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	99	313263	2.23	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	88	65197	3.63	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	98	355150	2.59	
41 Phenol	94		5.393					9
44 Bis(2-chloroethyl)ether	93		5.484					9
46 2-Chlorophenol	128		5.532					
47 1,3-Dichlorobenzene	146		5.677					9
48 1,4-Dichlorobenzene	146		5.746					9
49 Benzyl alcohol	108		5.853					9
50 1,2-Dichlorobenzene	146		5.885					
51 2-Methylphenol	108		5.944					9
52 2,2'-oxybis[1-chloropropane]	45		5.976					9
191 3 & 4 Methylphenol	108		6.078					
56 N-Nitrosodi-n-propylamine	70		6.088					
60 Hexachloroethane	117		6.190					9
61 Nitrobenzene	77		6.243					
63 Isophorone	82		6.452					
65 2-Nitrophenol	139		6.522					9
64 2,4-Dimethylphenol	107		6.548					9
69 Benzoic acid	122		6.618					
68 Bis(2-chloroethoxy)methane	93		6.634					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.730					
72 1,2,4-Trichlorobenzene	180		6.805					
73 Naphthalene	128		6.875					9
74 4-Chloroaniline	127		6.912					9
77 Hexachlorobutadiene	225		6.976					
84 4-Chloro-3-methylphenol	107		7.313					9
85 2-Methylnaphthalene	142		7.468					9
88 Hexachlorocyclopentadiene	237		7.597					
90 2,4,6-Trichlorophenol	196		7.698					
91 2,4,5-Trichlorophenol	196		7.730					
98 2-Chloronaphthalene	162		7.880					
100 2-Nitroaniline	65		7.955					
103 Dimethyl phthalate	163		8.099					9
105 2,6-Dinitrotoluene	165		8.158					
107 Acenaphthylene	152		8.233					
108 3-Nitroaniline	138		8.303					
110 Acenaphthene	153		8.378					9
109 2,4-Dinitrophenol	184		8.388					
111 4-Nitrophenol	109		8.426					
112 2,4-Dinitrotoluene	165		8.495					
114 Dibenzofuran	168		8.522					9
119 Diethyl phthalate	149		8.688					9
121 4-Chlorophenyl phenyl ether	204		8.800					
124 Fluorene	166		8.811					9
123 4-Nitroaniline	138		8.816					9
126 4,6-Dinitro-2-methylphenol	198		8.838					
130 N-Nitrosodiphenylamine	169		8.896					
137 4-Bromophenyl phenyl ether	248		9.212					
139 Hexachlorobenzene	284		9.271					
141 Pentachlorophenol	266		9.431					
146 Phenanthrene	178		9.624					9
147 Anthracene	178		9.667					9
149 Carbazole	167		9.795					9
151 Di-n-butyl phthalate	149		10.057					
157 Fluoranthene	202		10.624					9
160 Pyrene	202		10.822					9
166 Butyl benzyl phthalate	149		11.389					9
173 3,3'-Dichlorobenzidine	252		11.999					
171 Bis(2-ethylhexyl) phthalate	149	12.025	12.020	0.005	77	18889	0.3305	
175 Benzo[a]anthracene	228		12.041					9
176 Chrysene	228		12.090					9
178 Di-n-octyl phthalate	149		12.881					9
180 Benzo[b]fluoranthene	252		13.475					9
181 Benzo[k]fluoranthene	252		13.518					9
182 Benzo[a]pyrene	252		13.951					
186 Indeno[1,2,3-cd]pyrene	276		15.630					9
187 Dibenz(a,h)anthracene	278		15.657					
188 Benzo[g,h,i]perylene	276		16.031					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

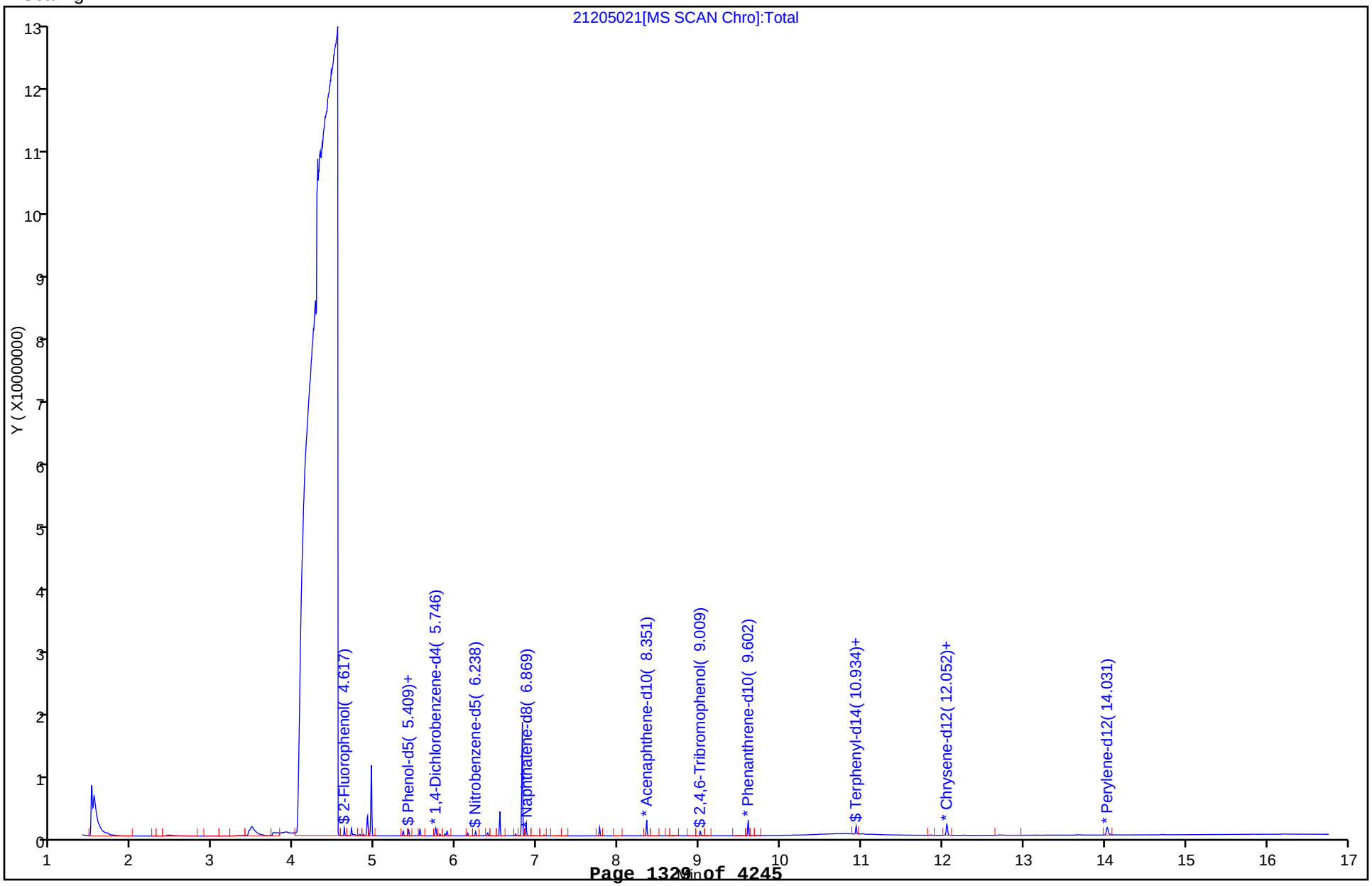
Report Date: 06-Dec-2012 08:49:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205021.D

Injection Date:	05-Dec-2012 16:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0053M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	21
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

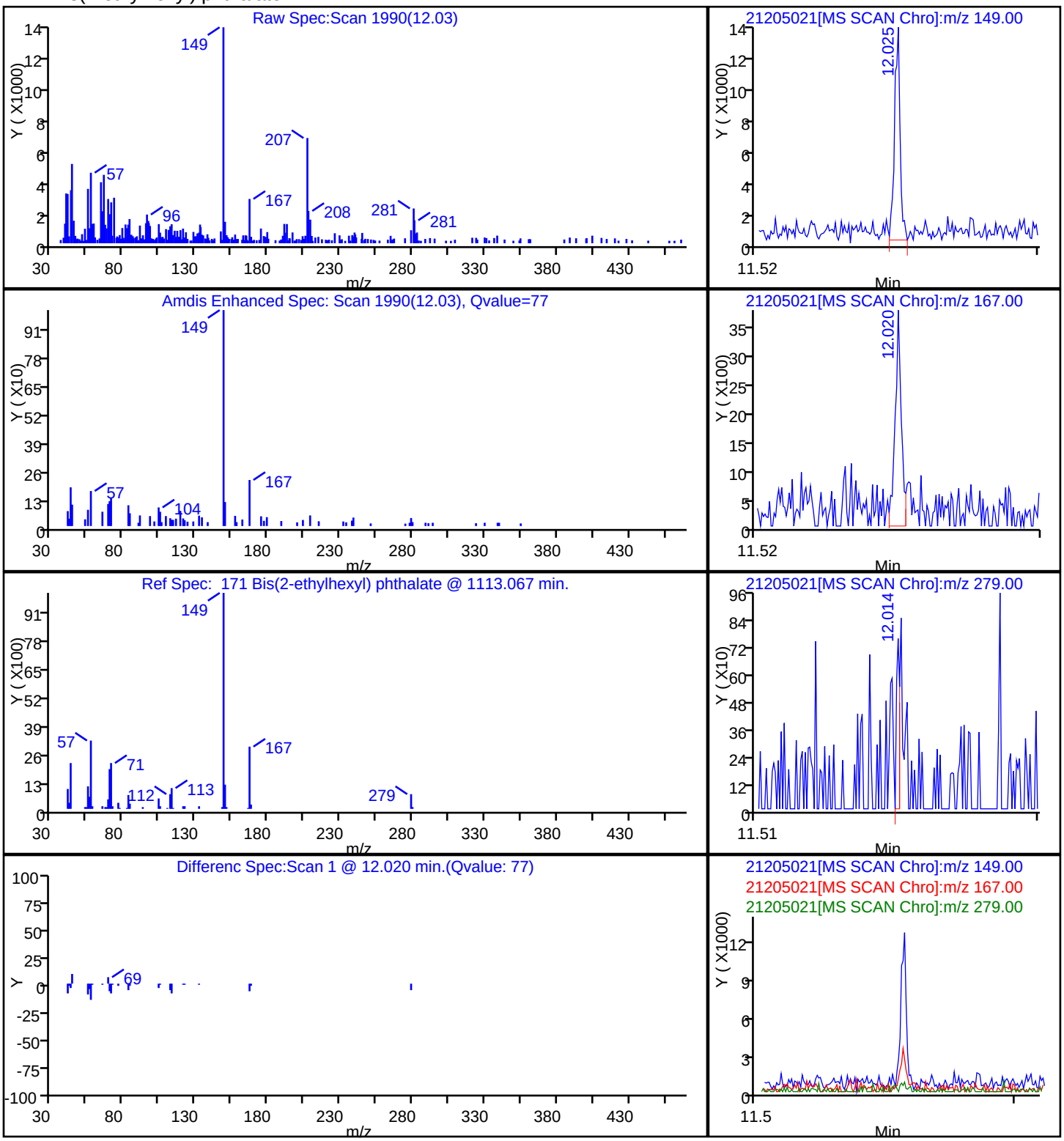


Report Date: 06-Dec-2012 08:49:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205021.D		
Injection Date:	05-Dec-2012 16:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0053M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	21
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SS-0007M-0001-SO | Lab Sample ID: 240-17796-10

Matrix: Solid | Lab File ID: 21204011.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:45

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.71(g) | Date Analyzed: 12/04/2012 12:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	17	U	34	17	17
56-55-3	Benzo[a]anthracene	37	D	34	17	17
50-32-8	Benzo[a]pyrene	74	D	34	17	17
205-99-2	Benzo[b]fluoranthene	59	D M	34	17	17
191-24-2	Benzo[g,h,i]perylene	30	J D M	34	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	22	J D M	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	250	140	96
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	66
85-68-7	Butyl benzyl phthalate	140	U	250	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	760	140	86
59-50-7	4-Chloro-3-methylphenol	140	U	760	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	66
218-01-9	Chrysene	49	D	34	17	5.6
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	56
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	91
120-83-2	2,4-Dichlorophenol	140	U	760	140	100
84-66-2	Diethyl phthalate	140	U	250	140	81
105-67-9	2,4-Dimethylphenol	400	U	760	400	100
131-11-3	Dimethyl phthalate	140	U	250	140	86
84-74-2	Di-n-butyl phthalate	140	U	250	140	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SS-0007M-0001-SO | Lab Sample ID: 240-17796-10

Matrix: Solid | Lab File ID: 21204011.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:45

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.71(g) | Date Analyzed: 12/04/2012 12:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	760	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	250	140	140
206-44-0	Fluoranthene	63	D	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	50	D	34	17	17
78-59-1	Isophorone	140	U	250	140	66
91-57-6	2-Methylnaphthalene	27	J D	34	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	26	J D	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	81
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	760	400	400
85-01-8	Phenanthrene	39	D	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	48	D	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	760	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	760	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SS-0007M-0001-SO | Lab Sample ID: 240-17796-10

Matrix: Solid | Lab File ID: 21204011.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:45

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.71(g) | Date Analyzed: 12/04/2012 12:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		45-105
367-12-4	2-Fluorophenol (Surr)	68		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	68		35-100
4165-62-2	Phenol-d5 (Surr)	72		40-100
1718-51-0	Terphenyl-d14 (Surr)	71		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	74		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Lims ID:	240-17796-B-10-B	Client ID:	076SS-0007M-0001-SO
Inject. Date:	04-Dec-2012 12:54:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	240-0015502-011		
Misc. Info.:	240-17796-b-10-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	67225	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		
First Level Reviewer: gruberj		Date:	04-Dec-2012 13:40:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.775	5.769	0.006	93	184006	4.00	
* 2 Naphthalene-d8	136	6.892	6.892	0.0	99	719858	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	93	428289	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	97	757677	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	797482	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	97	720782	4.00	
$ 7 2-Fluorophenol	112	4.507	4.486	0.021	88	115684	2.03	
$ 8 Phenol-d5	99	5.422	5.422	0.0	91	155163	2.15	
$ 9 Nitrobenzene-d5	82	6.261	6.267	-0.006	86	86227	1.36	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	179042	1.29	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	89	39135	2.21	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	208999	1.42	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.914	6.914	0.0	28	13999	0.0778	
74 4-Chloroaniline	127		6.951					9
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					
85 2-Methylnaphthalene	142	7.502	7.508	-0.006	62	9263	0.0805	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					9
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					
110 Acenaphthene	153		8.417					9
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168		8.561					9
119 Diethyl phthalate	149		8.727					
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166		8.850					9
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					9
146 Phenanthrene	178	9.663	9.663	0.0	75	24197	0.1169	
147 Anthracene	178		9.711					
149 Carbazole	167		9.834					9
151 Di-n-butyl phthalate	149		10.096					
157 Fluoranthene	202	10.669	10.669	0.0	90	43030	0.1882	
160 Pyrene	202	10.867	10.866	0.001	91	36070	0.1417	
166 Butyl benzyl phthalate	149		11.439					9
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149		12.081					9
175 Benzo[a]anthracene	228	12.107	12.107	0.0	48	24275	0.1091	
176 Chrysene	228	12.150	12.150	0.0	36	30748	0.1450	
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.562	13.551	0.011	81	40530	0.1763	M
181 Benzo[k]fluoranthene	252	13.584	13.594	-0.010	0	16445	0.0658	M
182 Benzo[a]pyrene	252	14.033	14.038	-0.005	61	24966	0.2202	
186 Indeno[1,2,3-cd]pyrene	276	15.718	15.723	-0.005	81	17225	0.1484	
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276	16.119	16.135	-0.016	69	18284	0.0886	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

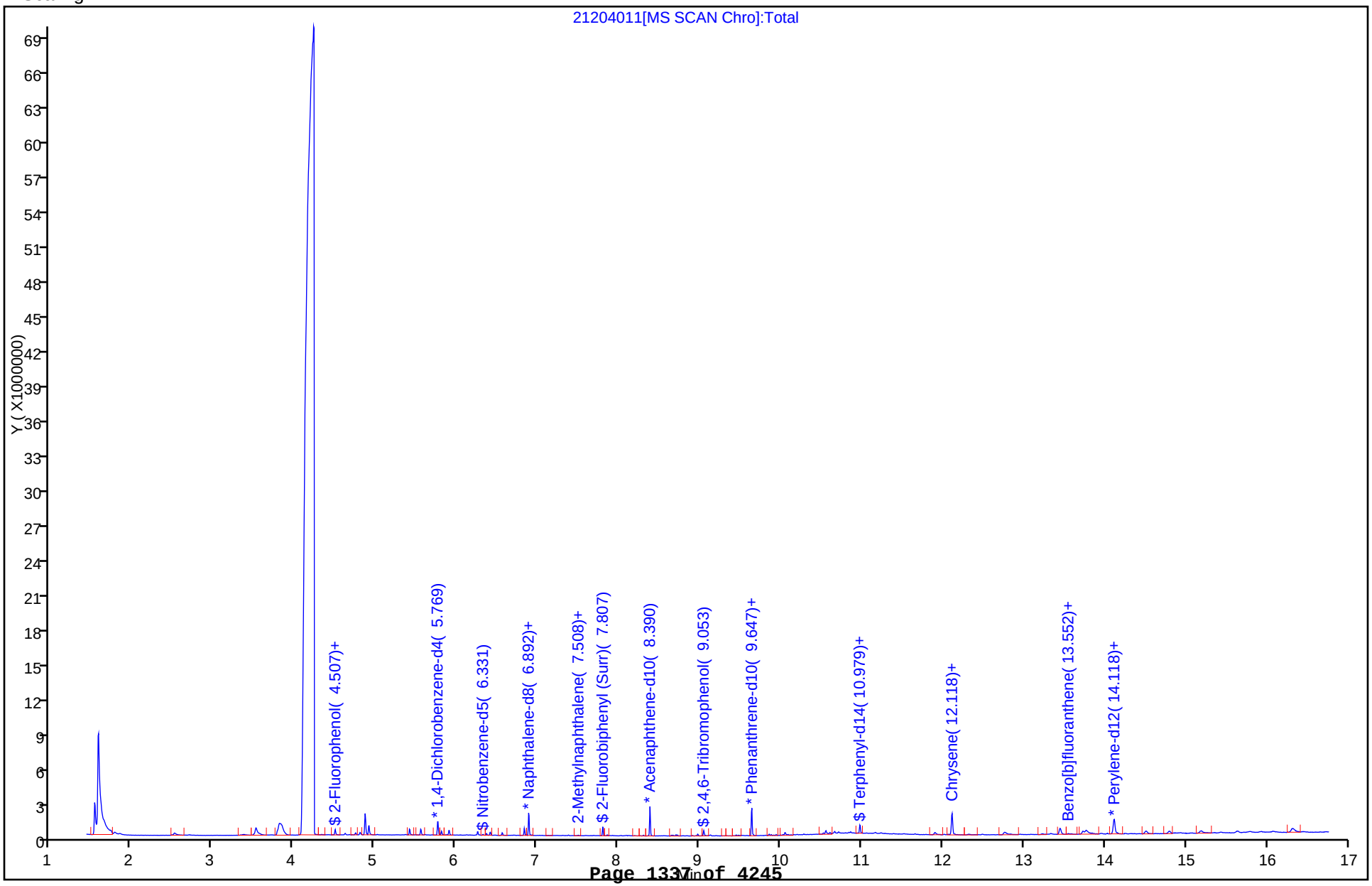
Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D

Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

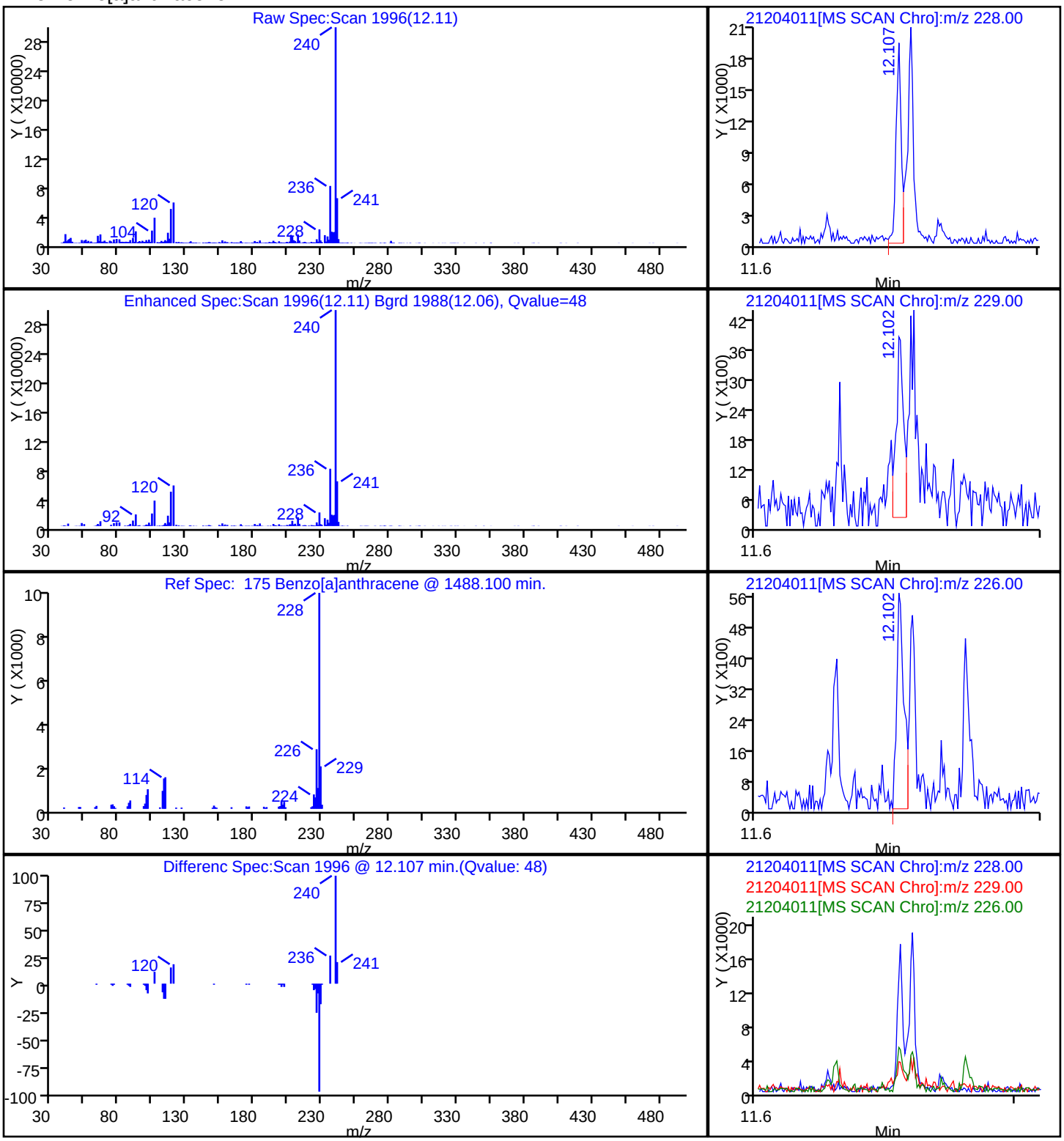


Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene

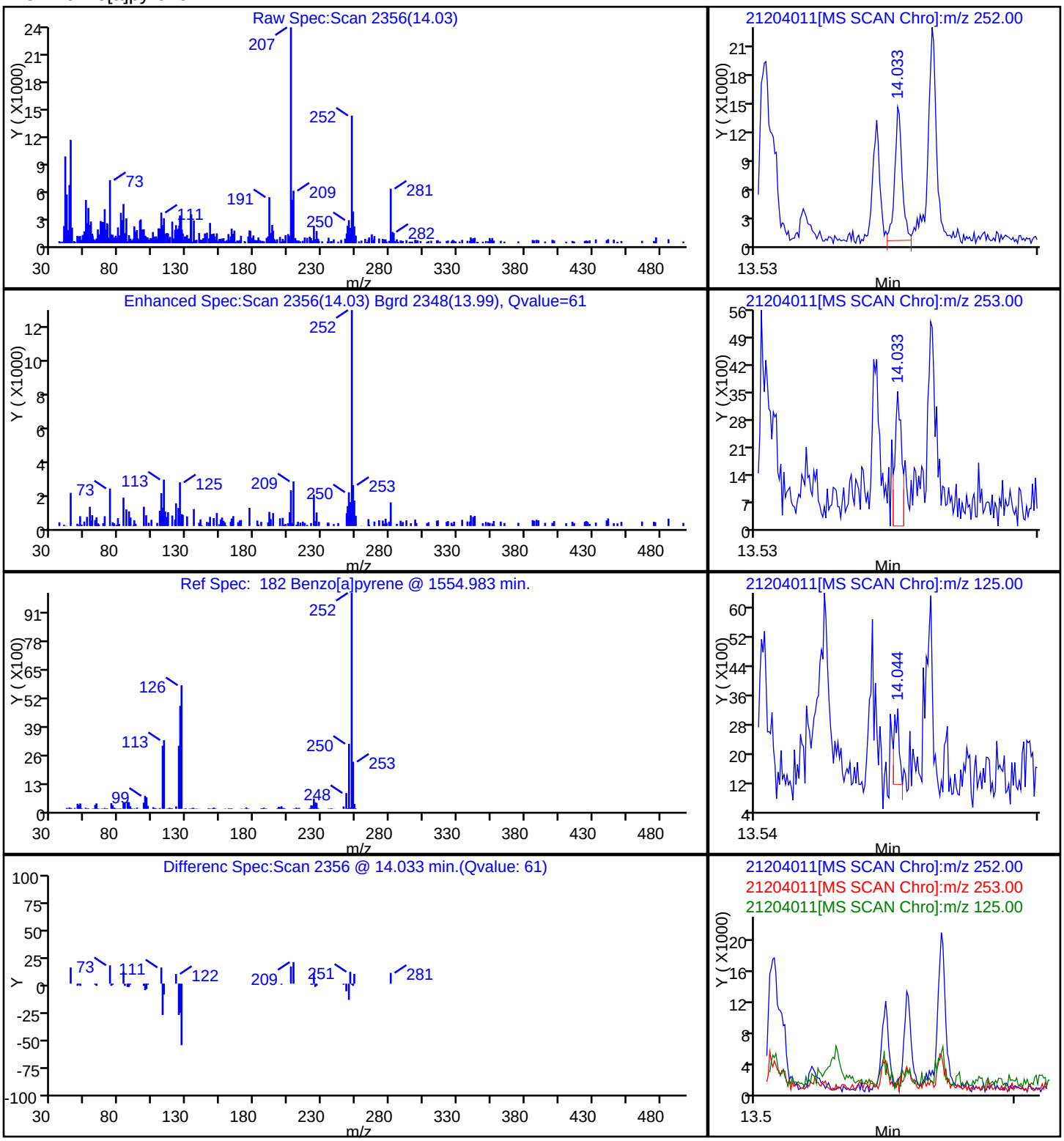


Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene

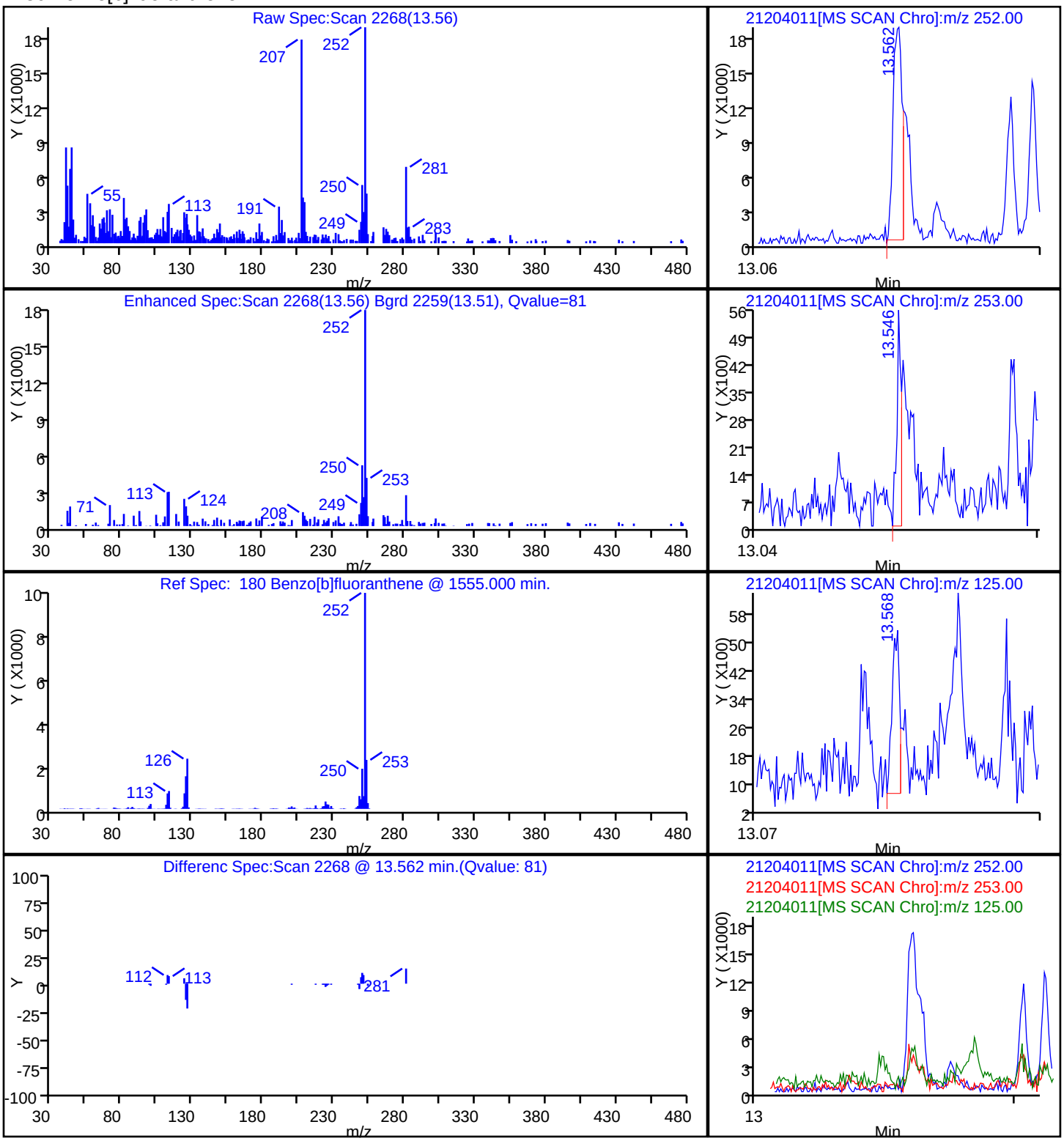


Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



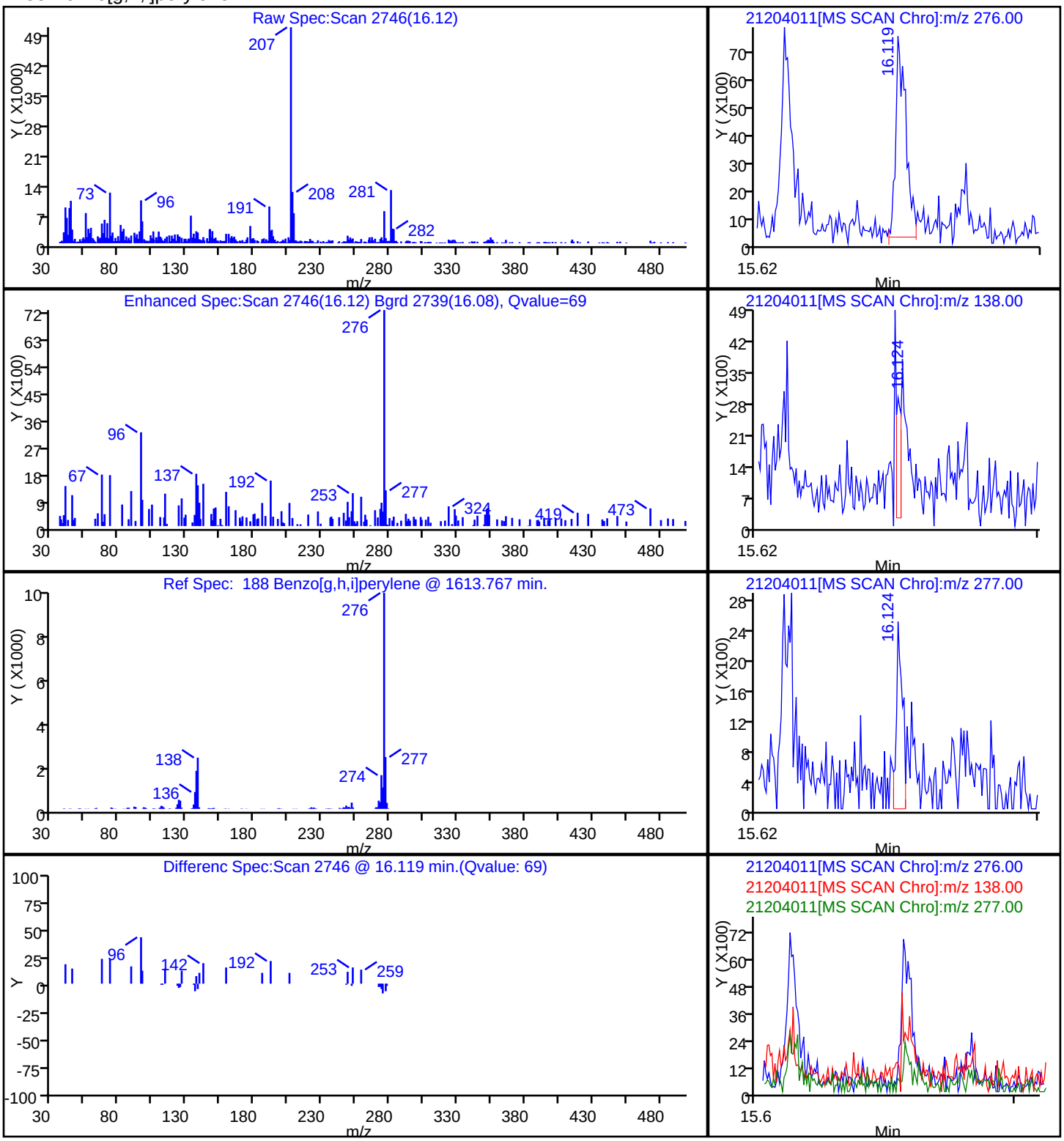
Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D

Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene

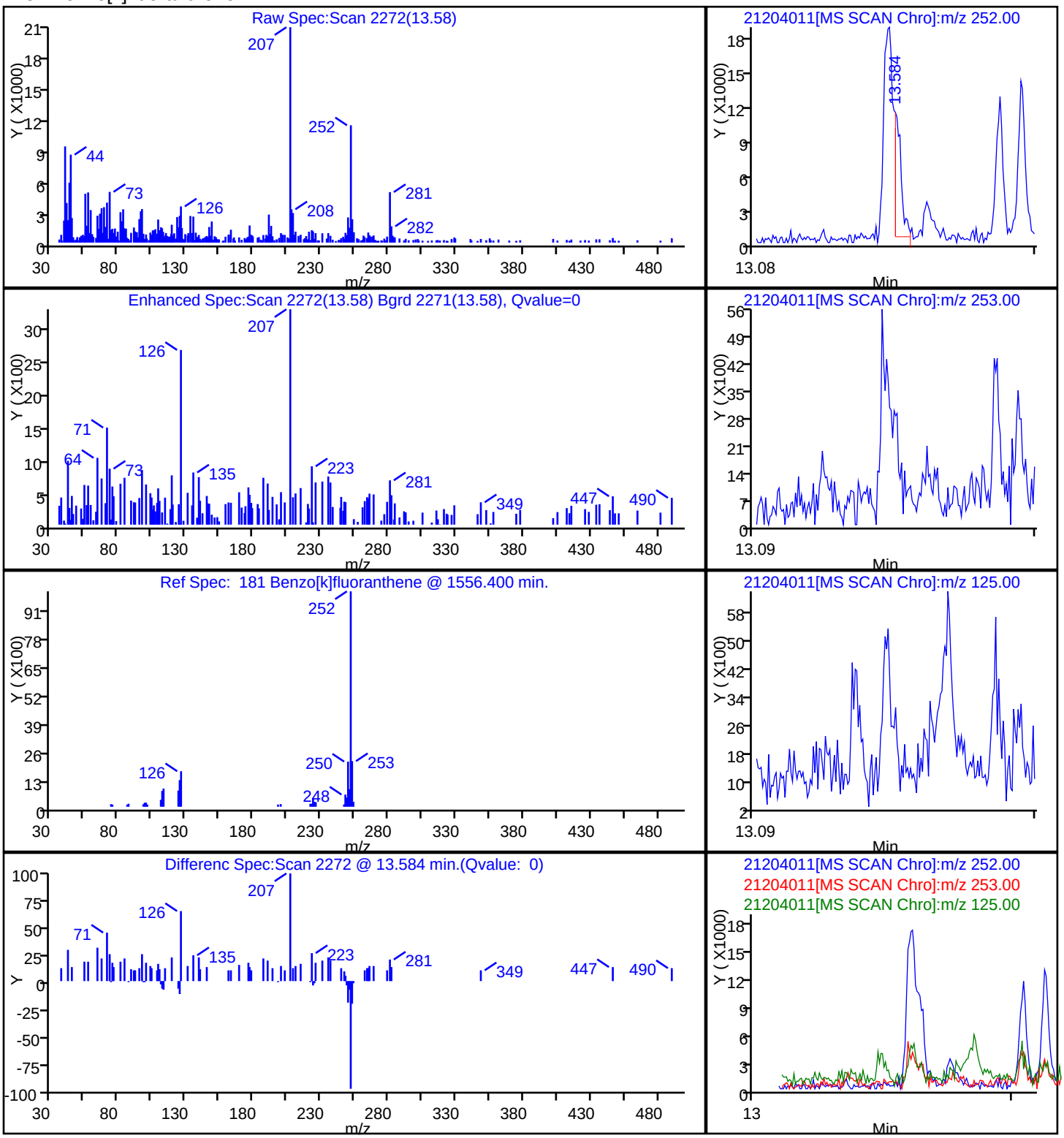


Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene

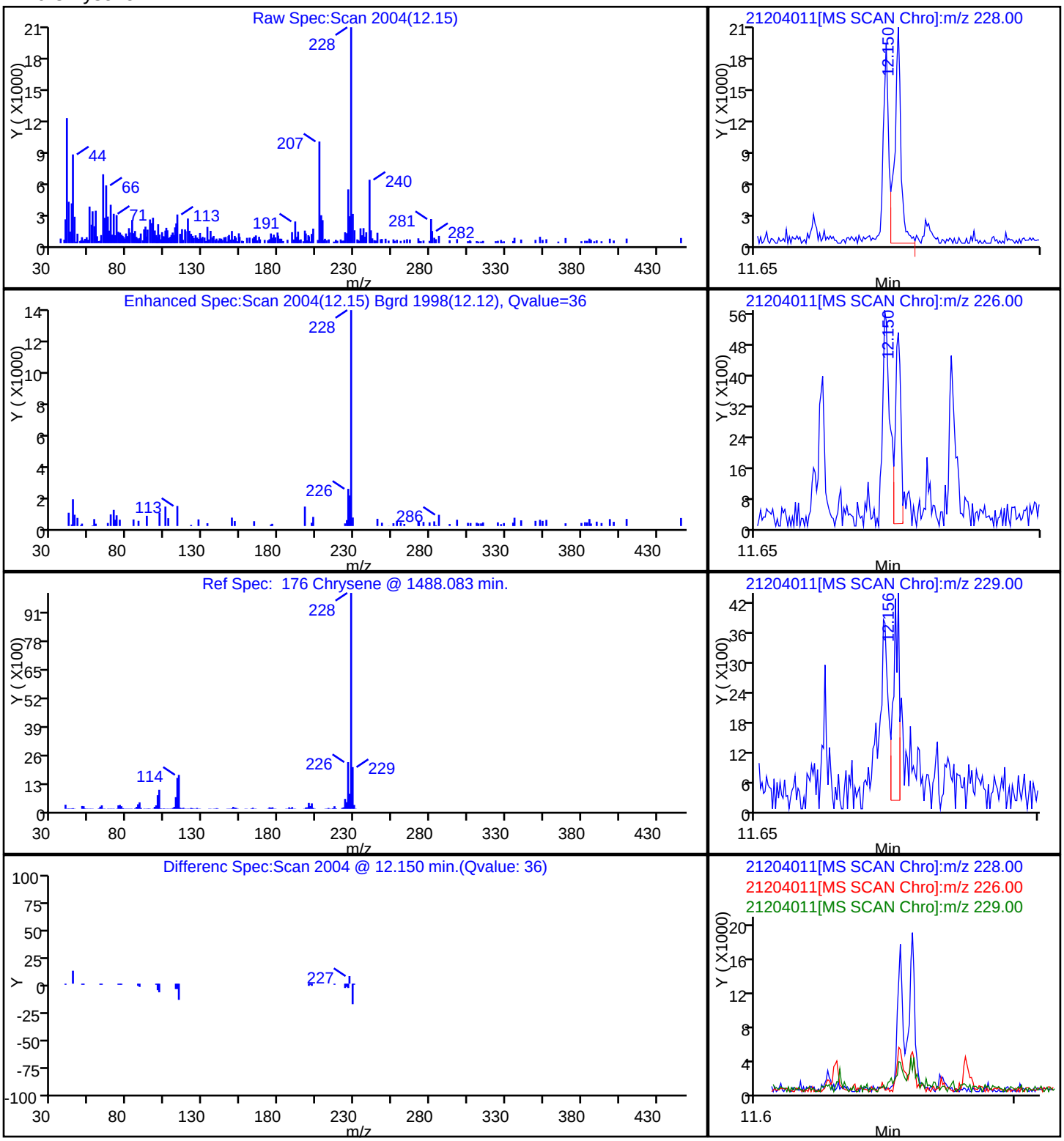


Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene



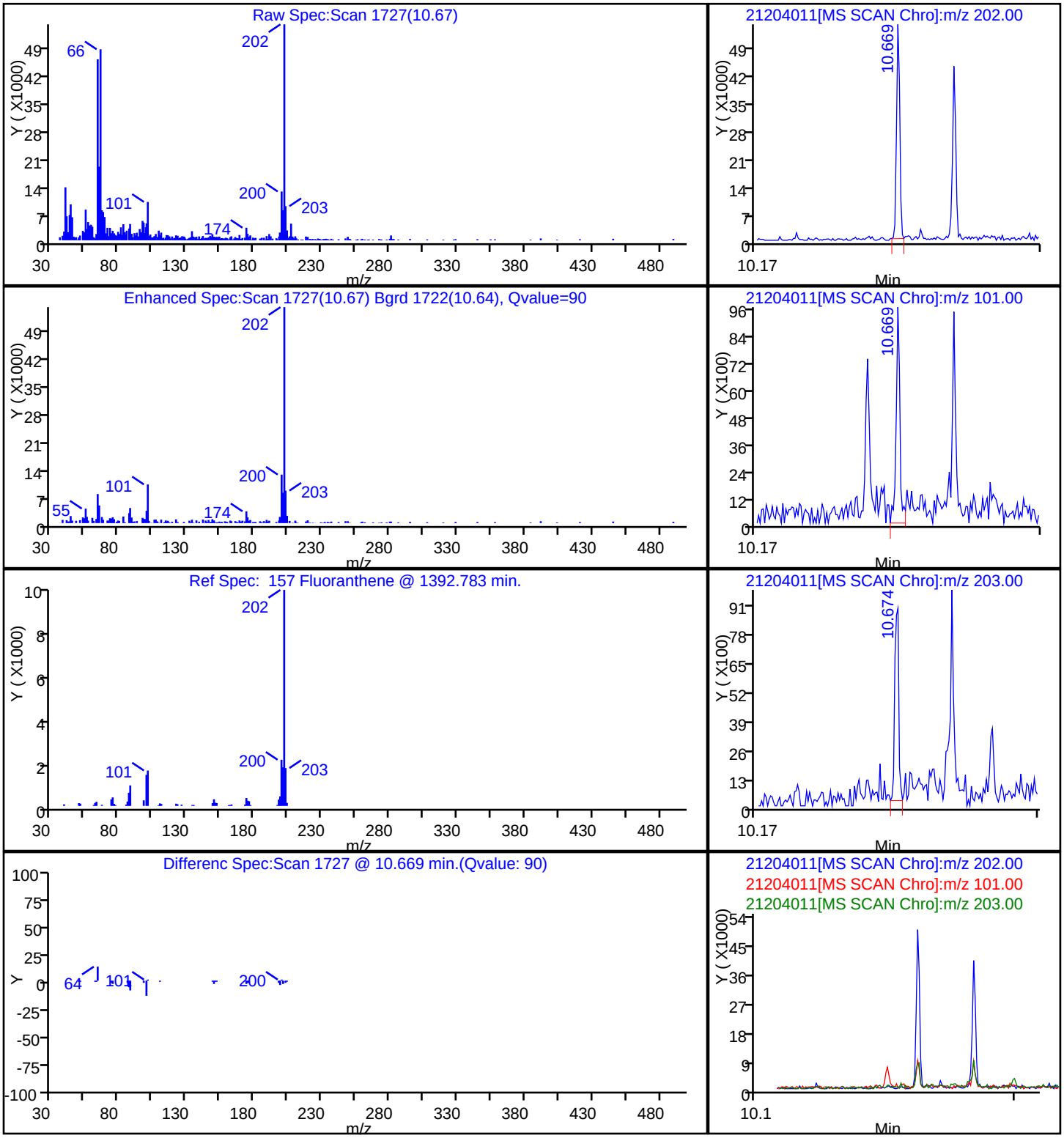
Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D

Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

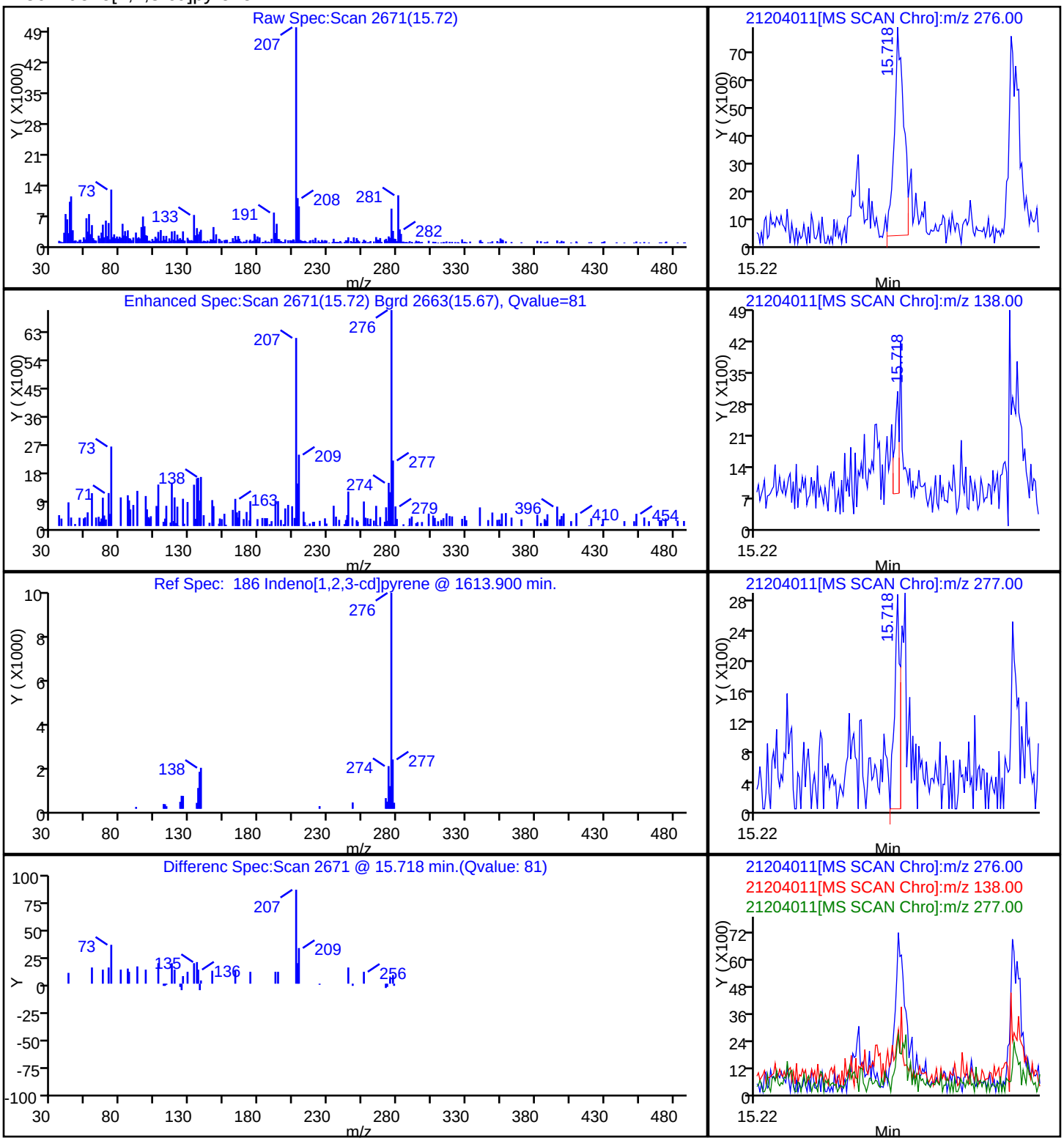


Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene



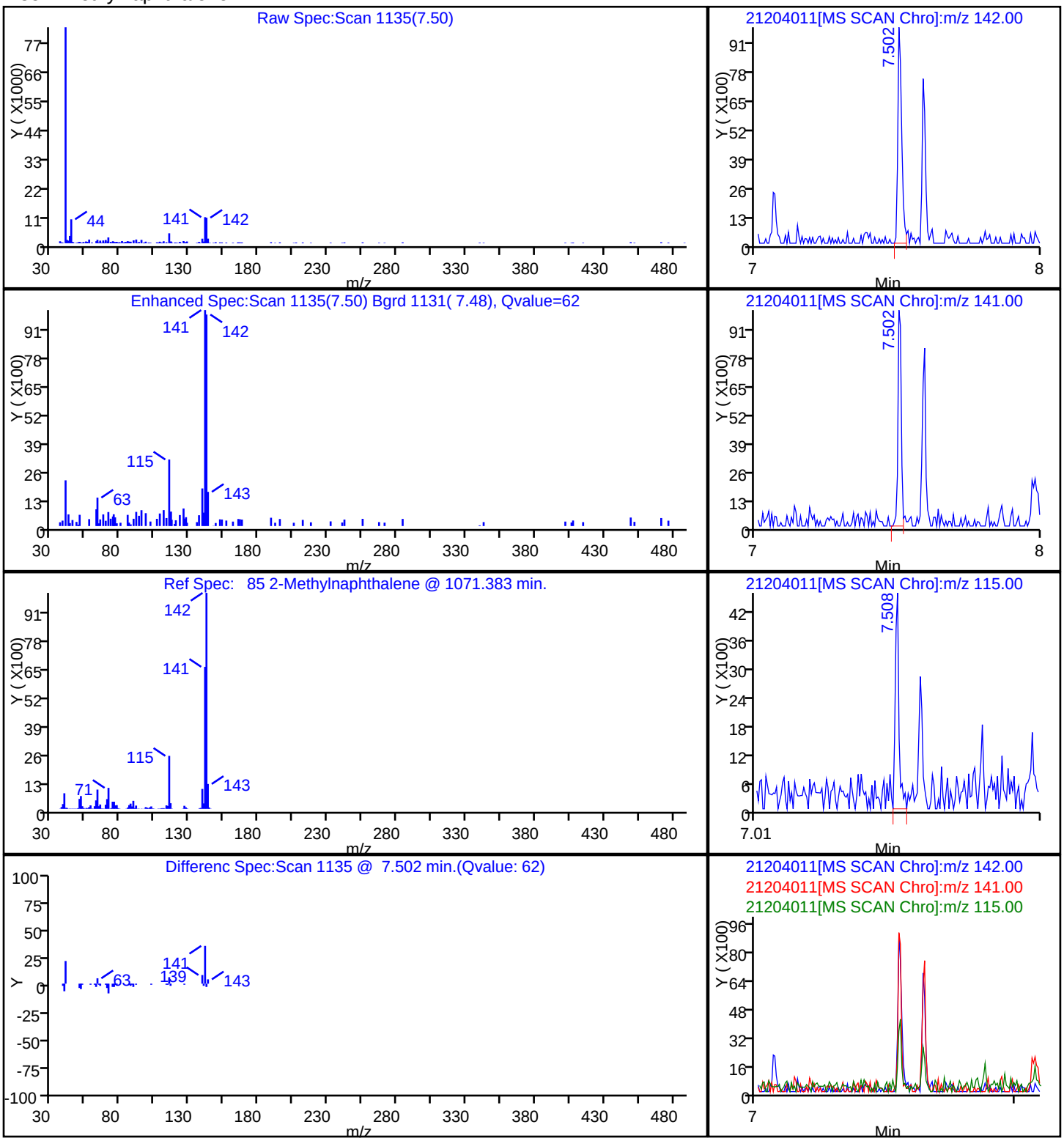
Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D

Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



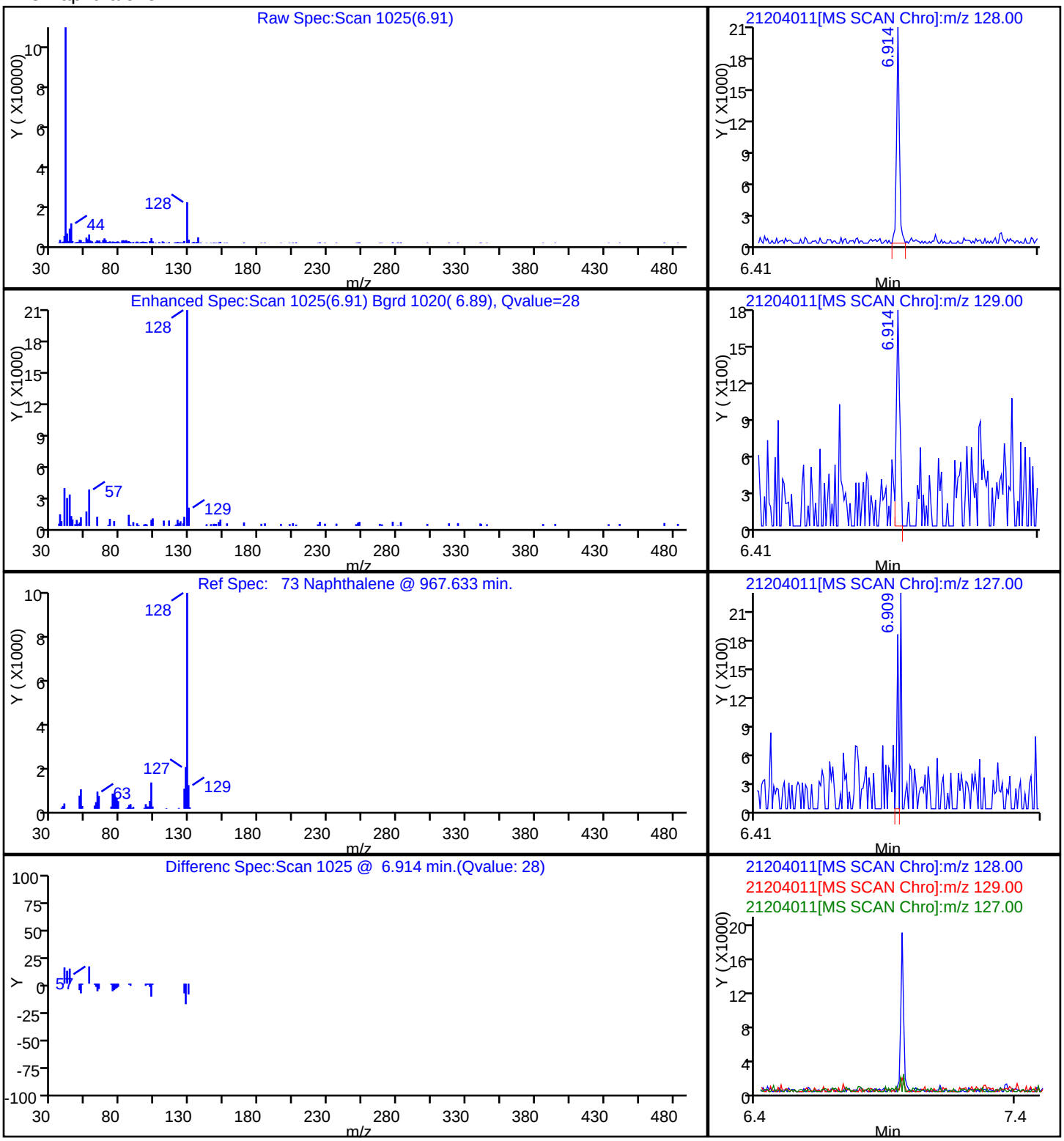
Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D

Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



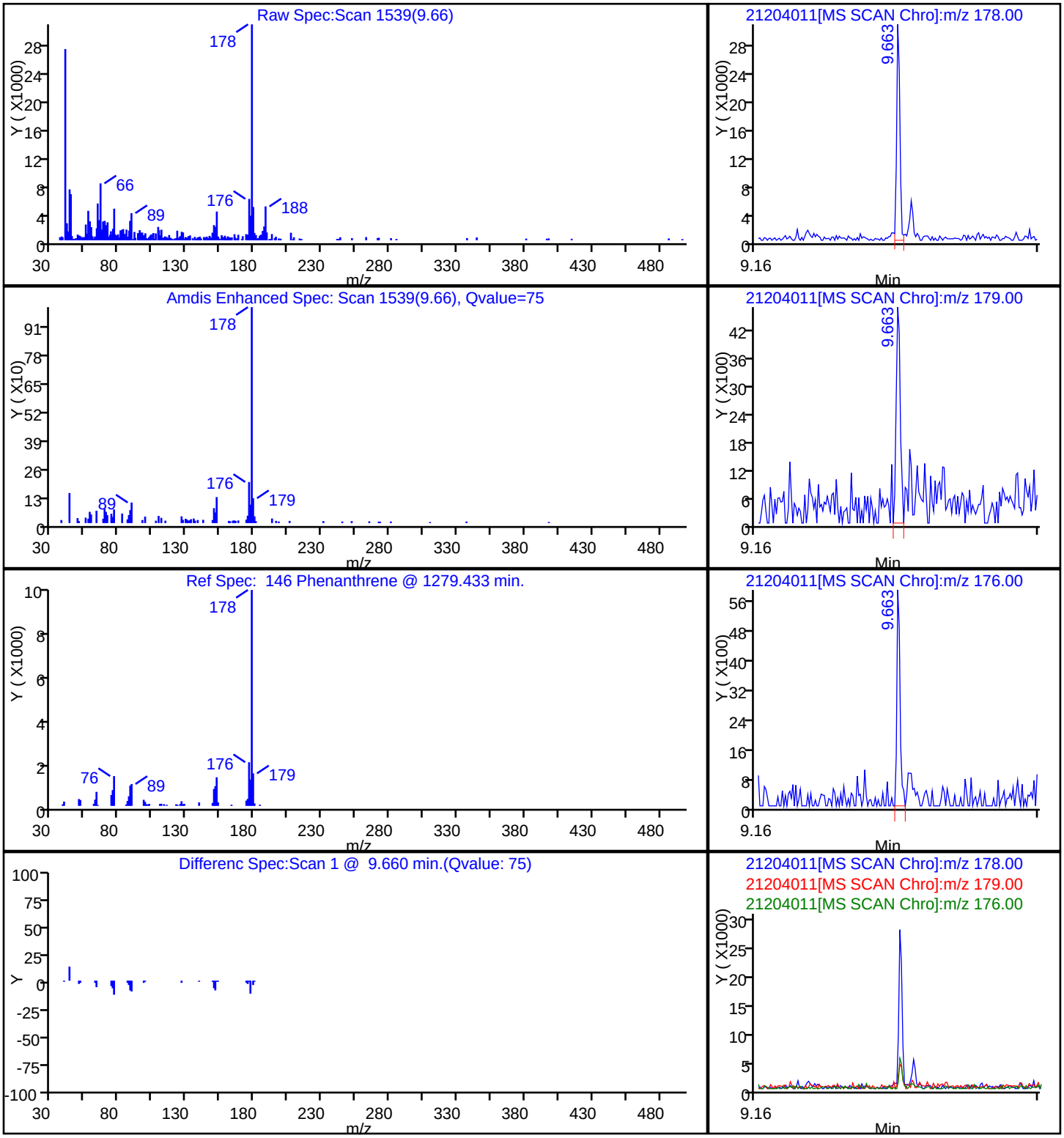
Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D

Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



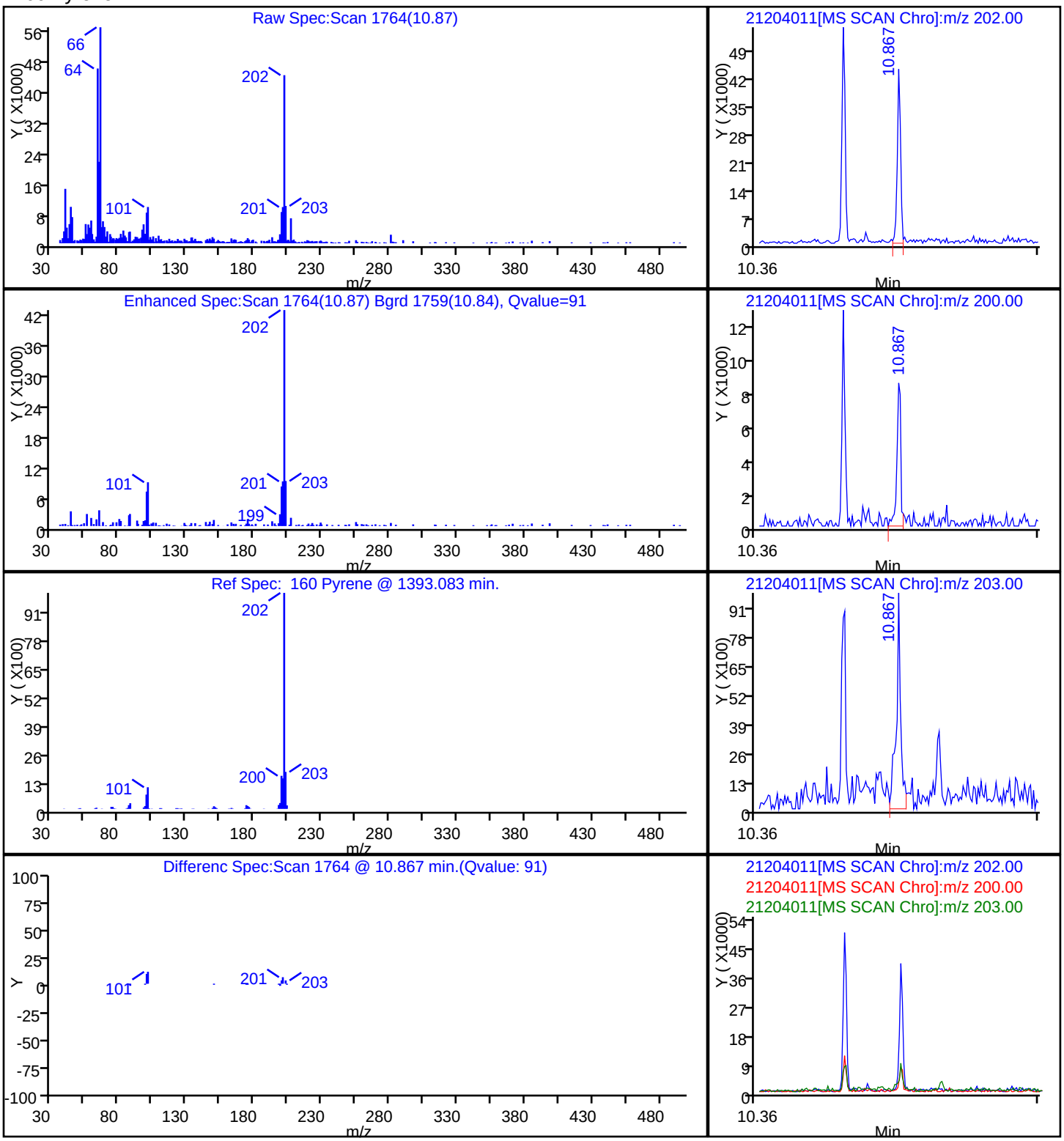
Report Date: 05-Dec-2012 13:46:37 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D

Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
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

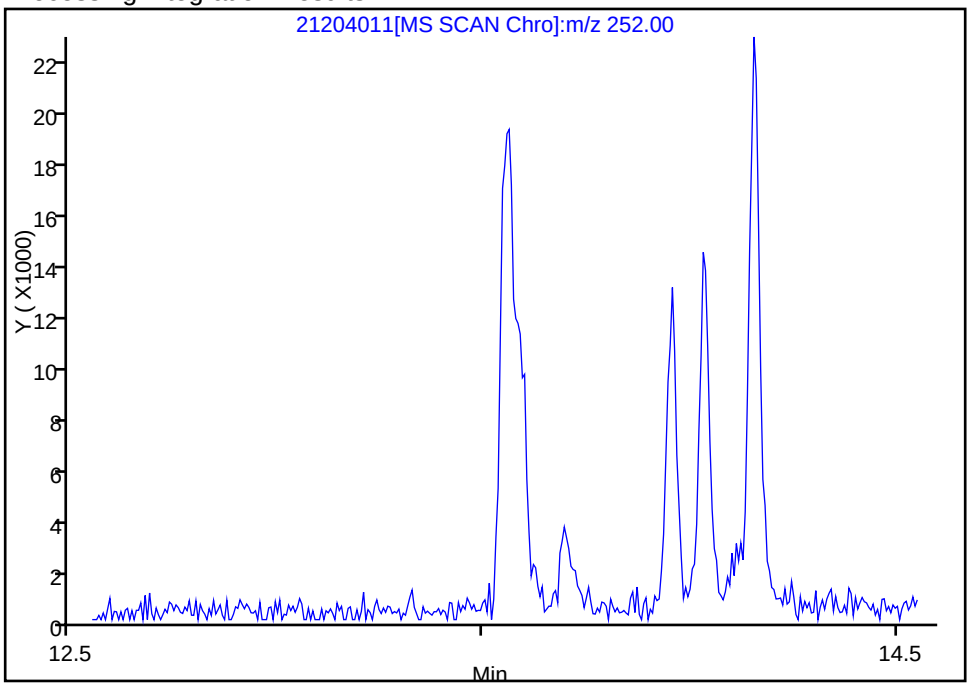
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
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: 13.55

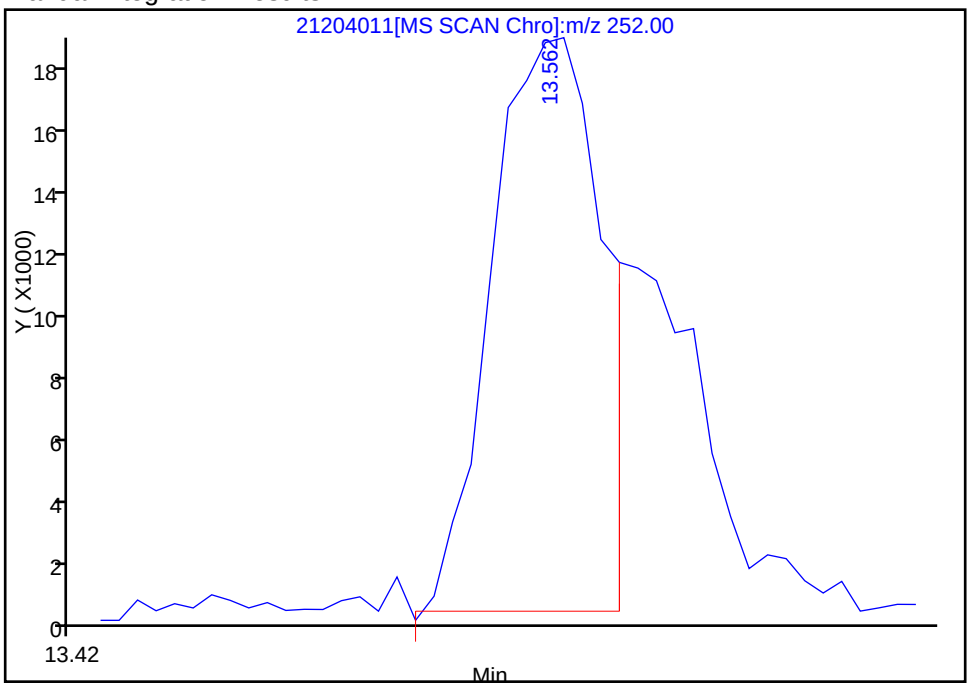
Not Detected
Expected RT: 13.55

Processing Integration Results



Manual Integration Results

RT: 13.56
Response: 40530
Amount: 0.176268



Reviewer: gruberj, 04-Dec-2012 13:40:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

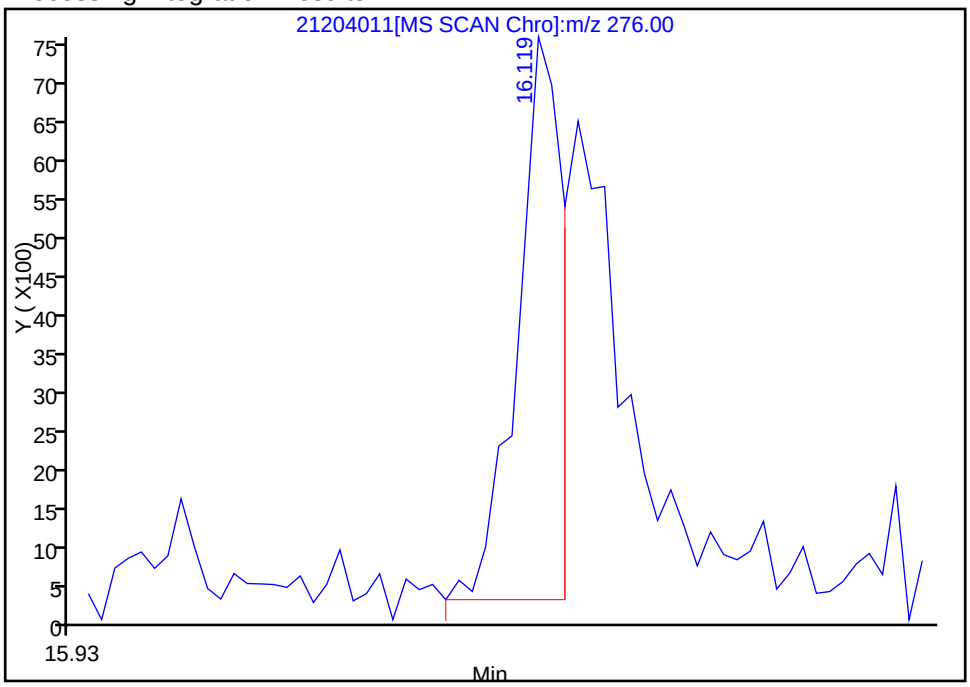
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
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: 16.13

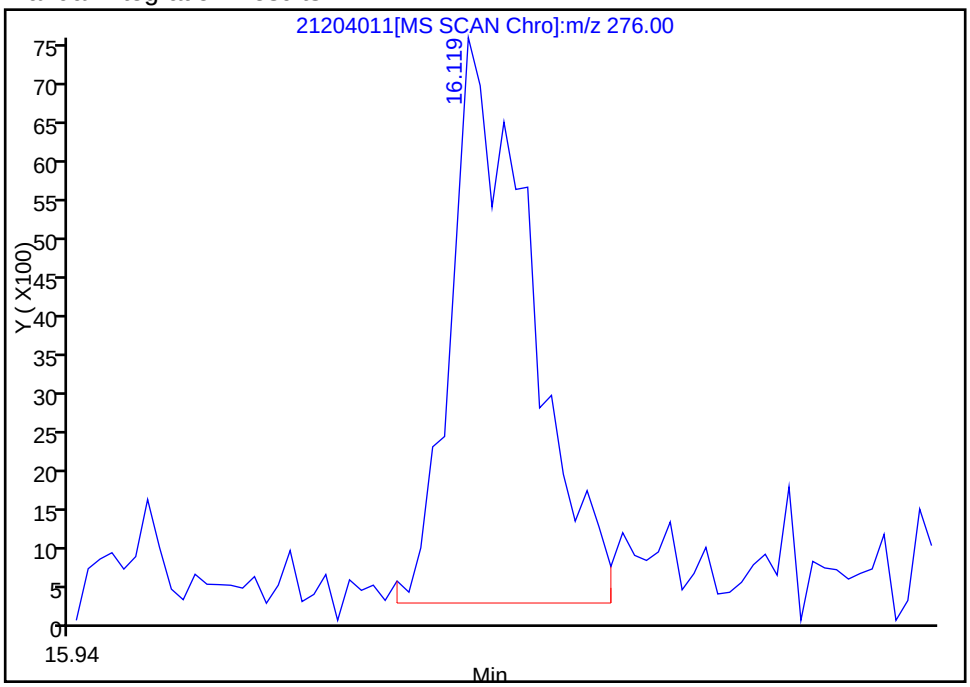
Processing Integration Results

RT: 16.12
Response: 9259
Amount: 0.044869



Manual Integration Results

RT: 16.12
Response: 18284
Amount: 0.088603



Reviewer: gruberj, 04-Dec-2012 13:40:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

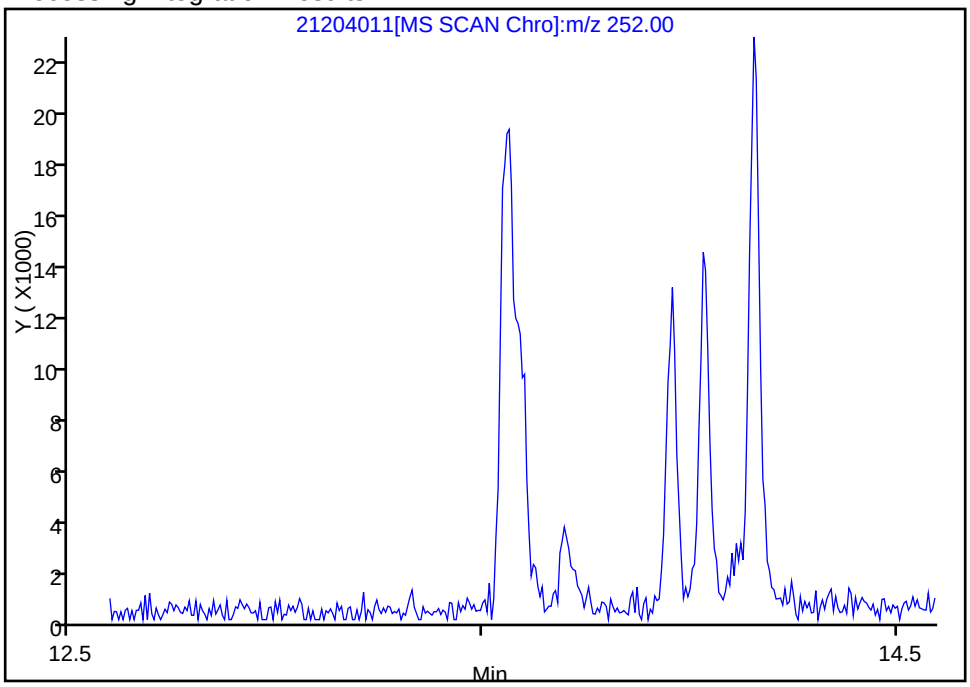
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204011.D		
Injection Date:	04-Dec-2012 12:54:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SS-0007M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	11
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.59

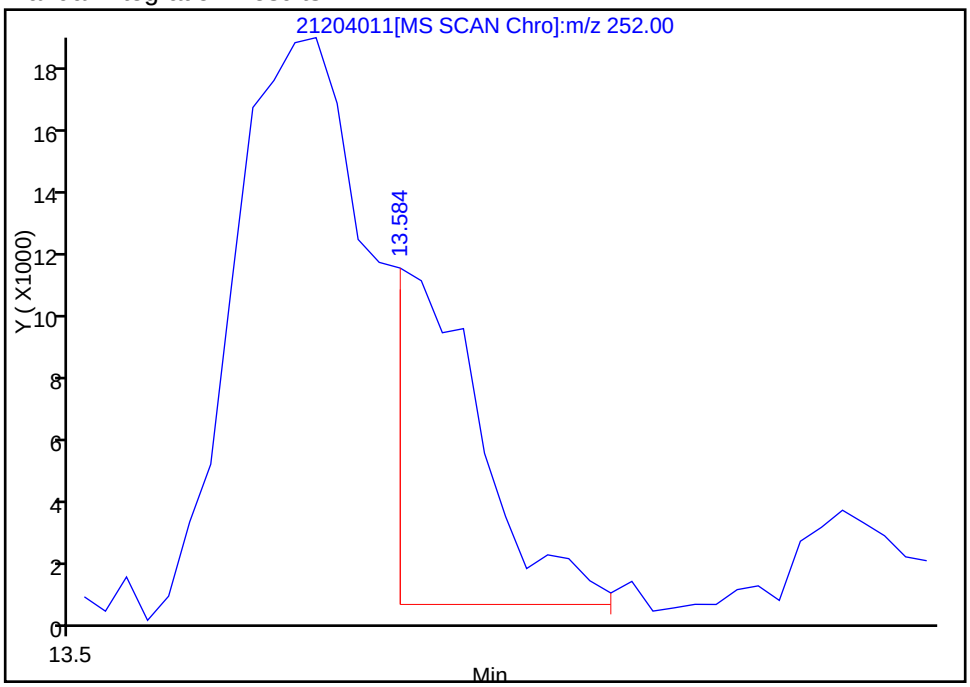
Processing Integration Results

Not Detected
Expected RT: 13.59



Manual Integration Results

RT: 13.58
Response: 16445
Amount: 0.065819



Reviewer: gruberj, 04-Dec-2012 13:40:37
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0054M-0001-SO | Lab Sample ID: 240-17796-11

Matrix: Solid | Lab File ID: 21204012.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:55

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.61(g) | Date Analyzed: 12/04/2012 13:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	17	U	34	17	17
120-12-7	Anthracene	17	U	34	17	17
56-55-3	Benzo[a]anthracene	17	U	34	17	17
50-32-8	Benzo[a]pyrene	17	U	34	17	17
205-99-2	Benzo[b]fluoranthene	17	U	34	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	34	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	510	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	510	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	510	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	250	140	96
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	66
85-68-7	Butyl benzyl phthalate	140	U	250	140	51
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	760	140	86
59-50-7	4-Chloro-3-methylphenol	140	U	760	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	66
218-01-9	Chrysene	17	U	34	17	5.6
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	56
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	410	U	510	410	91
120-83-2	2,4-Dichlorophenol	140	U	760	140	100
84-66-2	Diethyl phthalate	140	U	250	140	81
105-67-9	2,4-Dimethylphenol	410	U	760	410	100
131-11-3	Dimethyl phthalate	140	U	250	140	86
84-74-2	Di-n-butyl phthalate	140	U	250	140	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0054M-0001-SO | Lab Sample ID: 240-17796-11

Matrix: Solid | Lab File ID: 21204012.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:55

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.61(g) | Date Analyzed: 12/04/2012 13:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	410	U	760	410	410
51-28-5	2,4-Dinitrophenol	410	U	1700	410	410
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	250	140	140
206-44-0	Fluoranthene	17	U	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	46
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	34	17	17
78-59-1	Isophorone	140	U	250	140	66
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	410	U	1000	410	410
15831-10-4	3 & 4 Methylphenol	410	U	2000	410	100
91-20-3	Naphthalene	17	U	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	410	U	1000	410	81
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	510	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	410	U	1700	410	410
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	410	U	760	410	410
85-01-8	Phenanthrene	17	U	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	760	140	130
88-06-2	2,4,6-Trichlorophenol	410	U	760	410	410

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0054M-0001-SO | Lab Sample ID: 240-17796-11

Matrix: Solid | Lab File ID: 21204012.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:55

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.61(g) | Date Analyzed: 12/04/2012 13:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	60		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	62		35-100
4165-62-2	Phenol-d5 (Surr)	64		40-100
1718-51-0	Terphenyl-d14 (Surr)	71		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	60		35-125

Report Date: 05-Dec-2012 13:46:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204012.D		
Lims ID:	240-17796-B-11-B	Client ID:	076SB-0054M-0001-SO
Inject. Date:	04-Dec-2012 13:18:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	240-0015502-012		
Misc. Info.:	240-17796-b-11-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	67225	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		

First Level Reviewer: gruberj Date: 04-Dec-2012 13:41:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.775	5.769	0.006	94	196026	4.00	
* 2 Naphthalene-d8	136	6.892	6.892	0.0	99	759874	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	92	454124	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	799148	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	810543	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	96	746863	4.00	
$ 7 2-Fluorophenol	112	4.528	4.486	0.042	89	120542	1.99	
$ 8 Phenol-d5	99	5.427	5.422	0.005	96	148409	1.93	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	88	83356	1.25	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	175701	1.19	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	84	33806	1.80	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	212806	1.42	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					9
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					
61 Nitrobenzene	77		6.283					
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128		6.914					9
74 4-Chloroaniline	127		6.951					9
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142		7.508					
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					9
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					9
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168		8.561					9
119 Diethyl phthalate	149		8.727					9
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166		8.850					9
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178		9.663					9
147 Anthracene	178		9.711					9
149 Carbazole	167		9.834					9
151 Di-n-butyl phthalate	149		10.096					
157 Fluoranthene	202		10.669					
160 Pyrene	202		10.866					
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149		12.081					
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					9
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252		13.551					
181 Benzo[k]fluoranthene	252		13.594					
182 Benzo[a]pyrene	252		14.038					
186 Indeno[1,2,3-cd]pyrene	276		15.723					9
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276		16.135					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

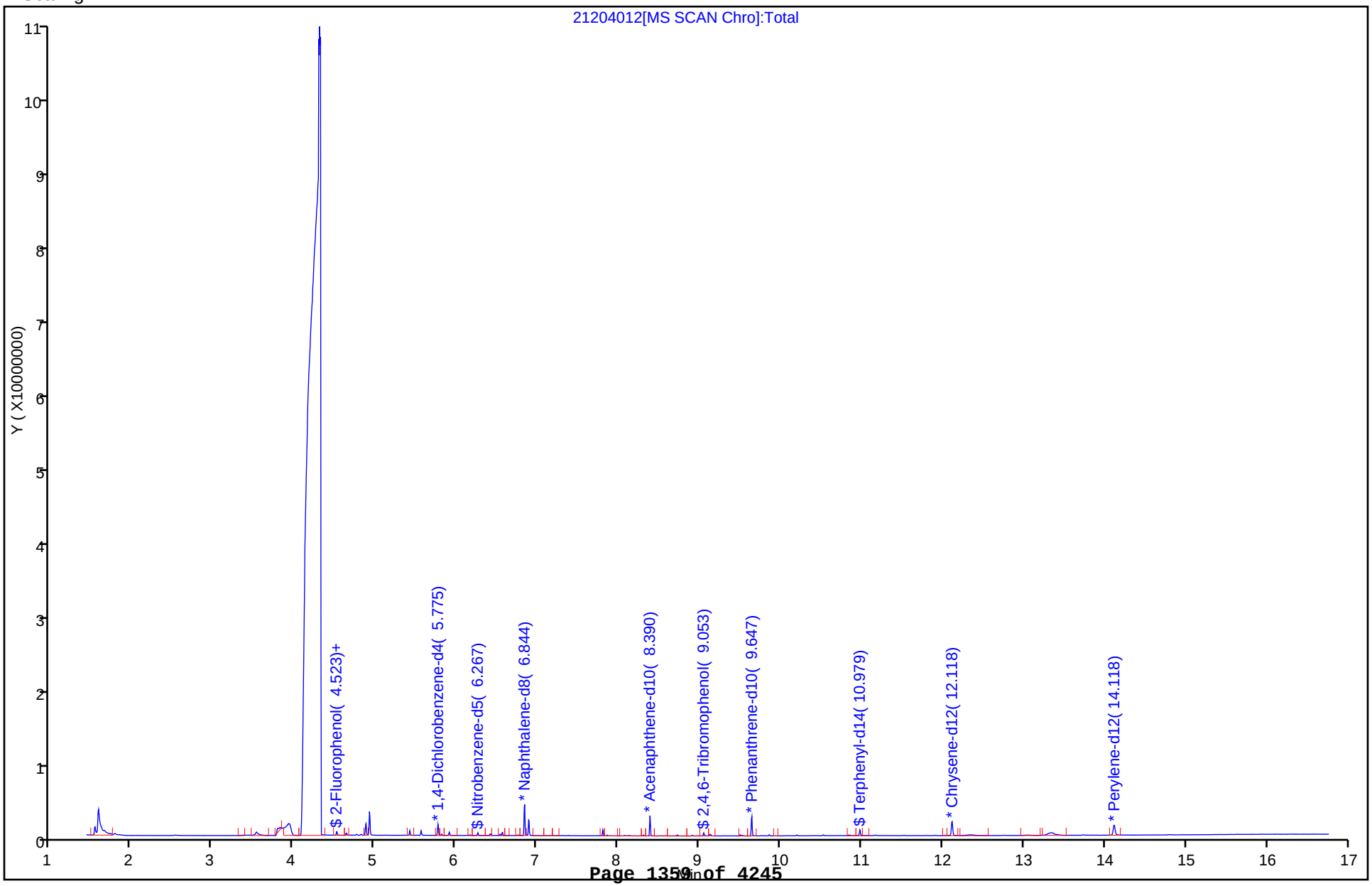
Report Date: 05-Dec-2012 13:46:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204012.D

Injection Date:	04-Dec-2012 13:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0054M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	12
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0055M-0001-SO | Lab Sample ID: 240-17796-12

Matrix: Solid | Lab File ID: 21204013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 13:45

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/04/2012 13:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	33	17	17
208-96-8	Acenaphthylene	17	U	33	17	17
120-12-7	Anthracene	17	U	33	17	17
56-55-3	Benzo[a]anthracene	17	U	33	17	17
50-32-8	Benzo[a]pyrene	17	U	33	17	17
205-99-2	Benzo[b]fluoranthene	17	U	33	17	17
191-24-2	Benzo[g,h,i]perylene	17	U	33	17	17
65-85-0	Benzoic acid	1700	U	3300	1700	1700
207-08-9	Benzo[k]fluoranthene	17	U	33	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	500	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	500	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	500	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	250	140	95
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	65
85-68-7	Butyl benzyl phthalate	140	U	250	140	50
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	750	140	85
59-50-7	4-Chloro-3-methylphenol	140	U	750	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	65
218-01-9	Chrysene	17	U	33	17	5.5
53-70-3	Dibenz(a,h)anthracene	17	U	33	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	55
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	400	U	500	400	90
120-83-2	2,4-Dichlorophenol	140	U	750	140	100
84-66-2	Diethyl phthalate	140	U	250	140	80
105-67-9	2,4-Dimethylphenol	400	U	750	400	100
131-11-3	Dimethyl phthalate	140	U	250	140	85
84-74-2	Di-n-butyl phthalate	140	U	250	140	75

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0055M-0001-SO | Lab Sample ID: 240-17796-12

Matrix: Solid | Lab File ID: 21204013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 13:45

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/04/2012 13:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	400	U	750	400	400
51-28-5	2,4-Dinitrophenol	400	U	1700	400	400
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	250	140	140
206-44-0	Fluoranthene	17	U	33	17	17
86-73-7	Fluorene	17	U	33	17	17
118-74-1	Hexachlorobenzene	17	U	33	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	45
193-39-5	Indeno[1,2,3-cd]pyrene	17	U	33	17	17
78-59-1	Isophorone	140	U	250	140	65
91-57-6	2-Methylnaphthalene	17	U	33	17	17
95-48-7	2-Methylphenol	400	U	1000	400	400
15831-10-4	3 & 4 Methylphenol	400	U	2000	400	100
91-20-3	Naphthalene	17	U	33	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	400	U	1000	400	80
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	500	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	400	U	1700	400	400
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	400	U	750	400	400
85-01-8	Phenanthrene	17	U	33	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	17	U	33	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	750	140	130
88-06-2	2,4,6-Trichlorophenol	400	U	750	400	400

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0055M-0001-SO | Lab Sample ID: 240-17796-12

Matrix: Solid | Lab File ID: 21204013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 13:45

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.93(g) | Date Analyzed: 12/04/2012 13:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	72		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	72		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	70		35-125

Report Date: 05-Dec-2012 13:46:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204013.D		
Lims ID:	240-17796-B-12-B	Client ID:	076SB-0055M-0001-SO
Inject. Date:	04-Dec-2012 13:42:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	240-0015502-013		
Misc. Info.:	240-17796-b-12-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	67225	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		

First Level Reviewer: gruberj Date: 04-Dec-2012 14:20:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.775	5.769	0.006	96	189924	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	99	729631	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	91	424386	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	761657	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	97	784944	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	96	696785	4.00	
$ 7 2-Fluorophenol	112	4.534	4.486	0.048	91	126049	2.15	
$ 8 Phenol-d5	99	5.427	5.422	0.005	95	162322	2.18	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	87	92609	1.44	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	186601	1.36	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	88	36754	2.09	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	209496	1.44	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					9
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128		6.914					9
74 4-Chloroaniline	127		6.951					9
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142		7.508					
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					
100 2-Nitroaniline	65		8.000					9
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					
110 Acenaphthene	153		8.417					9
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168		8.561					9
119 Diethyl phthalate	149		8.727					9
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166		8.850					9
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178		9.663					9
147 Anthracene	178		9.711					9
149 Carbazole	167		9.834					9
151 Di-n-butyl phthalate	149		10.096					
157 Fluoranthene	202		10.669					9
160 Pyrene	202		10.866					
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					
171 Bis(2-ethylhexyl) phthalate	149	12.070	12.081	-0.011	60	7618	0.2447	
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					9
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252		13.551					
181 Benzo[k]fluoranthene	252		13.594					
182 Benzo[a]pyrene	252		14.038					9
186 Indeno[1,2,3-cd]pyrene	276		15.723					9
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276		16.135					9

QC Flag Legend

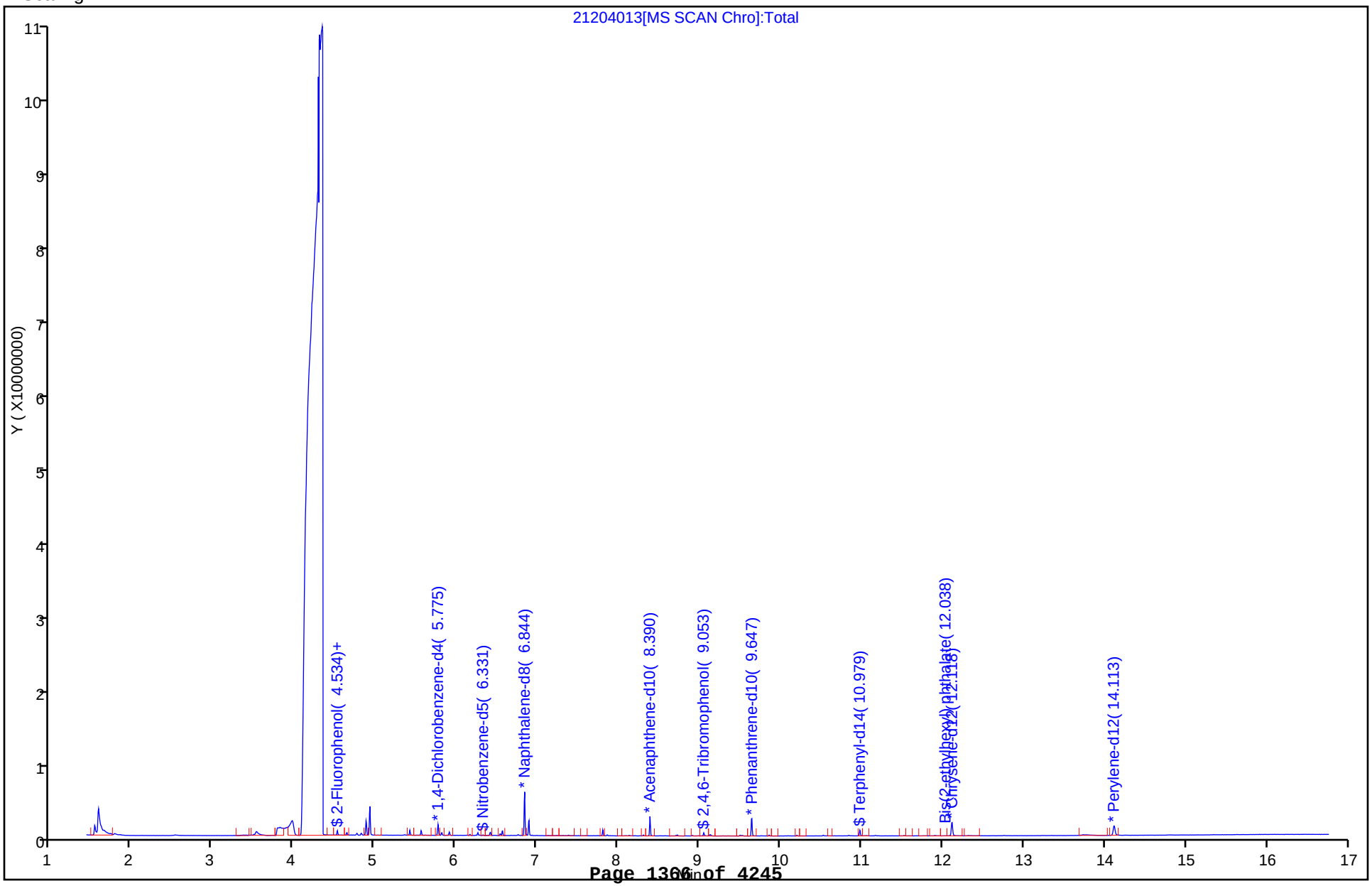
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 05-Dec-2012 13:46:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204013.D		
Injection Date:	04-Dec-2012 13:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0055M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	13
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0056M-0001-SO | Lab Sample ID: 240-17796-13

Matrix: Solid | Lab File ID: 21204017.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 14:10

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.64(g) | Date Analyzed: 12/04/2012 15:16

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.8	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.8	3.3	3.3
120-12-7	Anthracene	3.3	U	6.8	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.8	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.8	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.8	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.8	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	3.3	U	6.8	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	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	26	J	51	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	51	27	13
85-68-7	Butyl benzyl phthalate	27	U	51	27	10
86-74-8	Carbazole	27	U	51	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	51	3.3	3.3
95-57-8	2-Chlorophenol	27	U	51	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	51	27	13
218-01-9	Chrysene	3.3	U	6.8	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.8	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	51	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	51	27	9.8
541-73-1	1,3-Dichlorobenzene	27	U	51	27	11
106-46-7	1,4-Dichlorobenzene	27	U	51	27	20
91-94-1	3,3'-Dichlorobenzidine	81	U	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	51	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	51	27	17
84-74-2	Di-n-butyl phthalate	27	U	51	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0056M-0001-SO | Lab Sample ID: 240-17796-13

Matrix: Solid | Lab File ID: 21204017.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 14:10

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.64(g) | Date Analyzed: 12/04/2012 15:16

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
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	51	27	27
206-44-0	Fluoranthene	3.3	U	6.8	3.3	3.3
86-73-7	Fluorene	3.3	U	6.8	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.8	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	51	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	51	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.8	3.3	3.3
78-59-1	Isophorone	27	U	51	27	13
91-57-6	2-Methylnaphthalene	4.7	J	6.8	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	400	81	20
91-20-3	Naphthalene	3.8	J	6.8	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	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	51	27	27
100-02-7	4-Nitrophenol	81	U	330	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	51	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	51	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	3.3	U	6.8	3.3	3.3
108-95-2	Phenol	27	U	51	27	27
129-00-0	Pyrene	3.3	U	6.8	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	51	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0056M-0001-SO | Lab Sample ID: 240-17796-13

Matrix: Solid | Lab File ID: 21204017.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 14:10

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.64(g) | Date Analyzed: 12/04/2012 15:16

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	66		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	72		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	77		35-125

Report Date: 05-Dec-2012 13:46:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204017.D
Lims ID: 240-17796-B-13-B Client ID: 076SB-0056M-0001-SO
Inject. Date: 04-Dec-2012 15:16:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015502-017
Misc. Info.: 240-17796-b-13-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67225 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:46:36 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: XAWRK027

First Level Reviewer: gruberj Date: 05-Dec-2012 13:39:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.791	5.769	0.022	95	175419	4.00	
* 2 Naphthalene-d8	136	6.903	6.892	0.011	99	665094	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	92	384057	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	692722	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	737753	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	96	676196	4.00	
$ 7 2-Fluorophenol	112	4.726	4.486	0.240	90	536905	9.90	
$ 8 Phenol-d5	99	5.464	5.422	0.042	95	713798	10.4	
$ 9 Nitrobenzene-d5	82	6.283	6.267	0.016	88	385586	6.59	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	808401	6.49	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	91	182773	11.5	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	96	977419	7.15	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					9
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					9
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93		6.668					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.919	6.914	0.005	41	9294	0.0559	
74 4-Chloroaniline	127		6.951					9
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					
85 2-Methylnaphthalene	142	7.508	7.508	0.0	67	7357	0.0692	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					9
98 2-Chloronaphthalene	162		7.919					
100 2-Nitroaniline	65		8.000					9
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					9
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					
114 Dibenzofuran	168		8.561					
119 Diethyl phthalate	149		8.727					9
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166		8.850					
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178		9.663					
147 Anthracene	178		9.711					9
149 Carbazole	167		9.834					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	83	22898	0.1116	
157 Fluoranthene	202		10.669					9
160 Pyrene	202		10.866					
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	65	26211	0.3852	
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					9
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252		13.551					
181 Benzo[k]fluoranthene	252		13.594					
182 Benzo[a]pyrene	252		14.038					
186 Indeno[1,2,3-cd]pyrene	276		15.723					
187 Dibenz(a,h)anthracene	278		15.750					9
188 Benzo[g,h,i]perylene	276		16.135					

QC Flag Legend

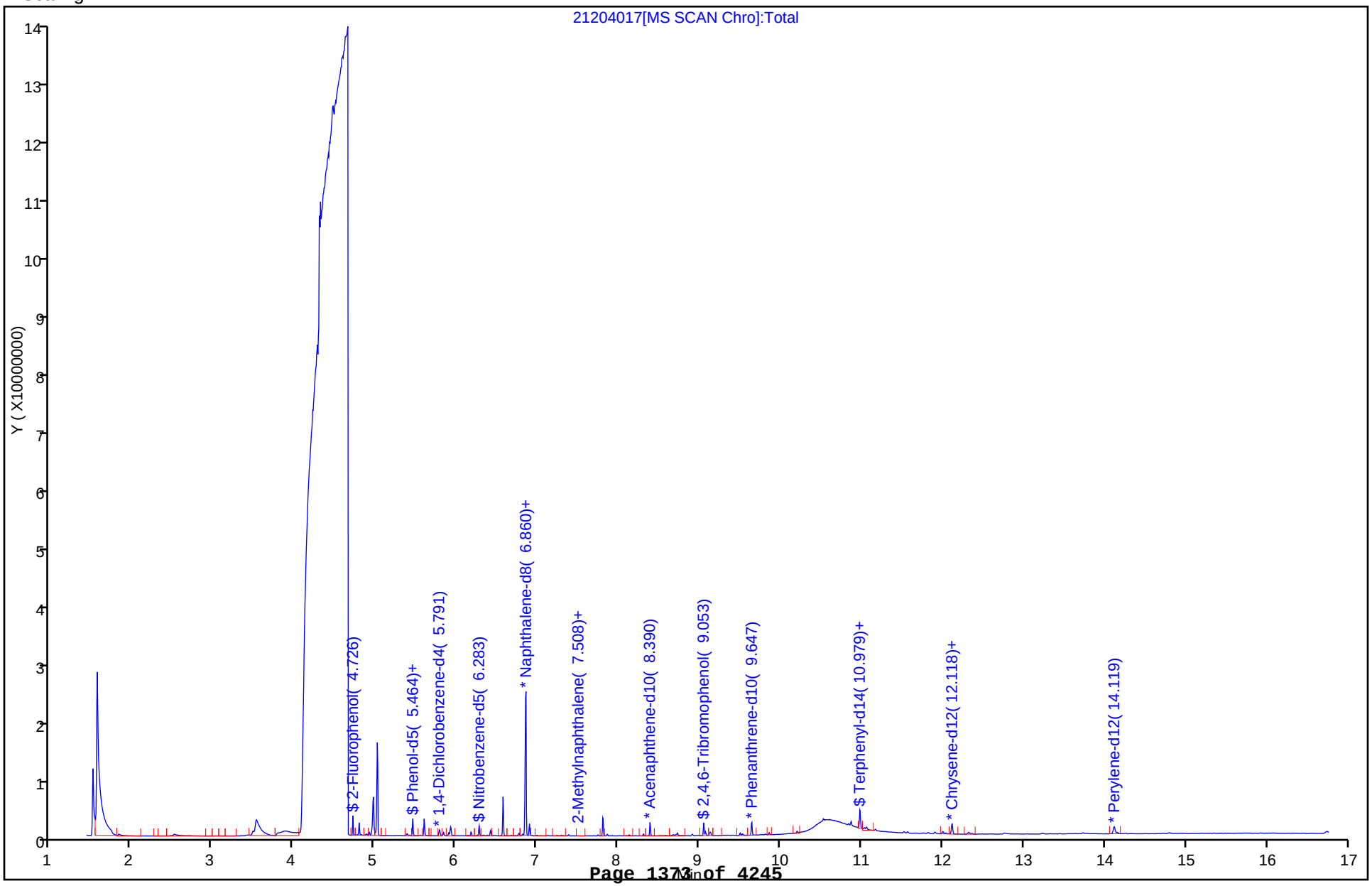
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 05-Dec-2012 13:46:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204017.D		
Injection Date:	04-Dec-2012 15:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0056M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	17
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



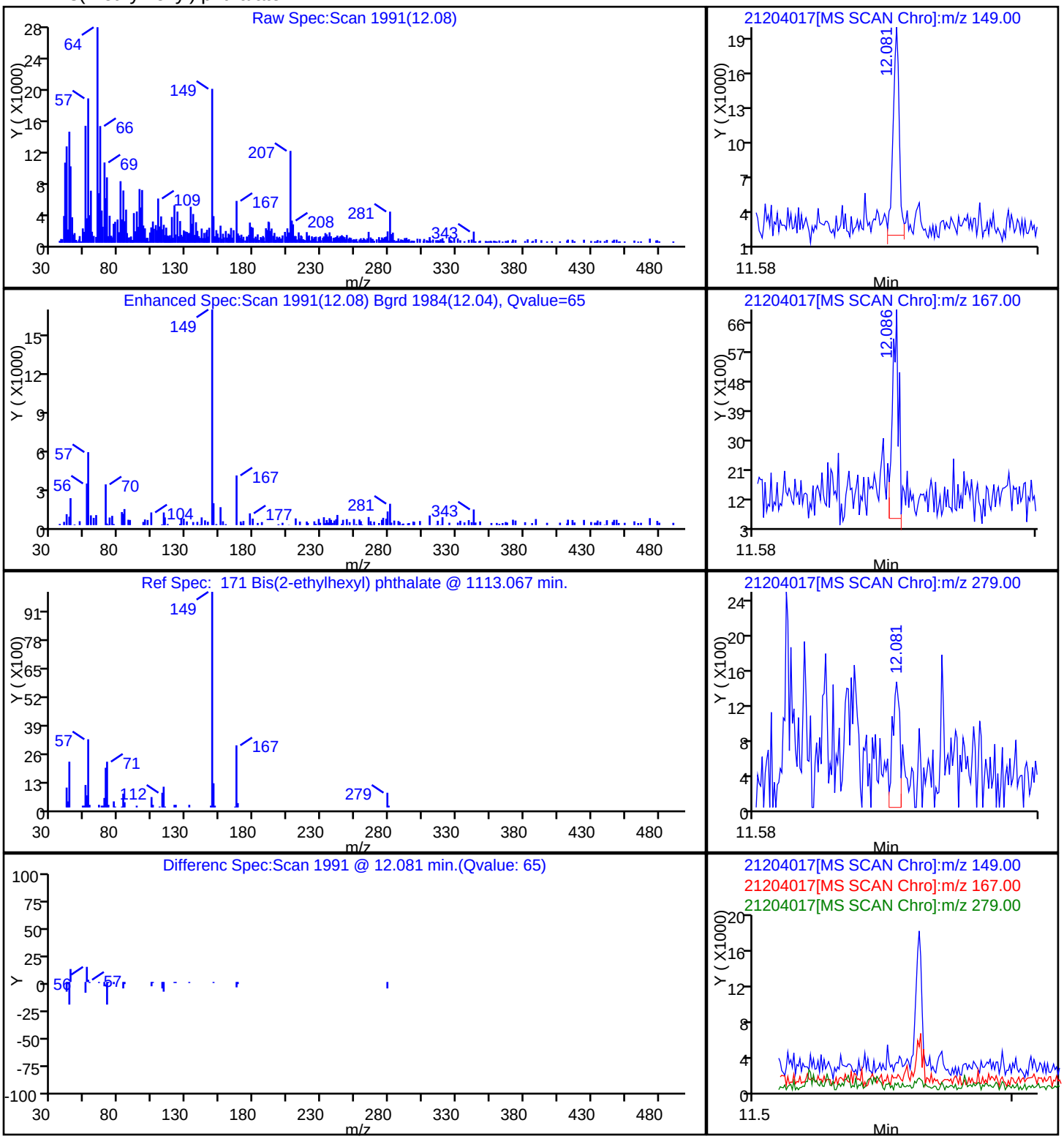
Report Date: 05-Dec-2012 13:46:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204017.D

Injection Date:	04-Dec-2012 15:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0056M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	17
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate

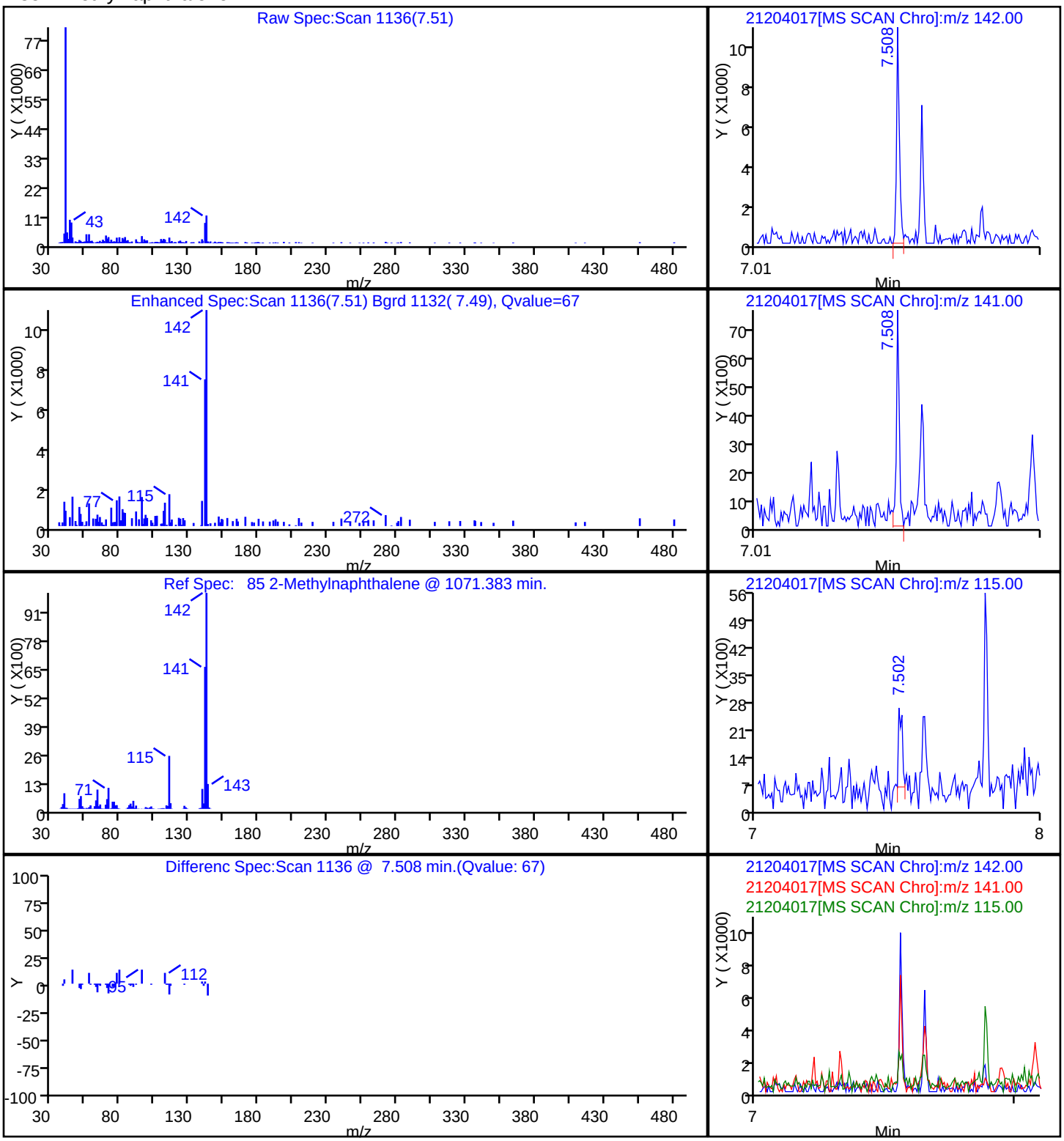


Report Date: 05-Dec-2012 13:46:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204017.D		
Injection Date:	04-Dec-2012 15:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0056M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	17
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



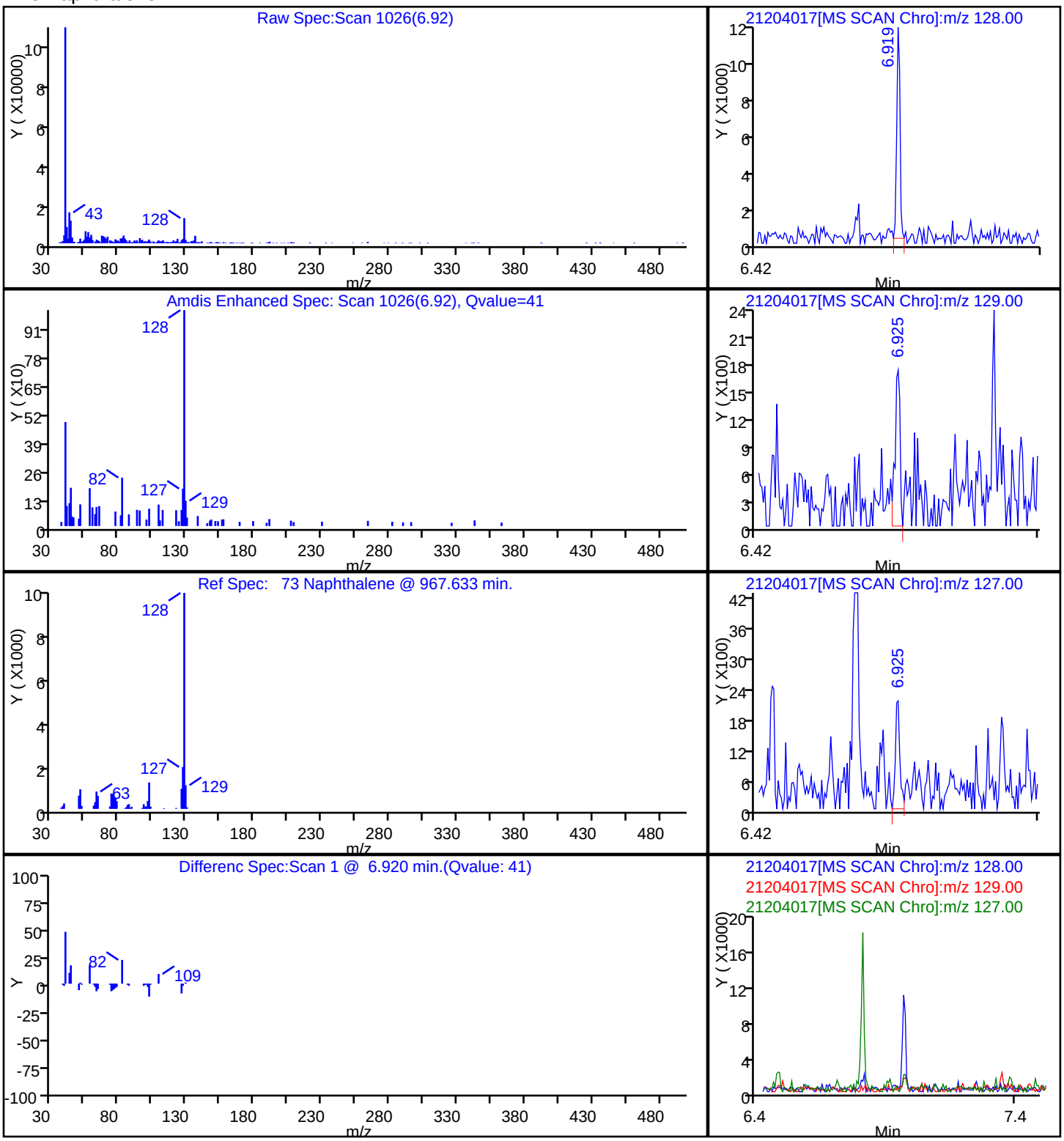
Report Date: 05-Dec-2012 13:46:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204017.D

Injection Date:	04-Dec-2012 15:16:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0056M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	17
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0057M-0001-SO | Lab Sample ID: 240-17796-14

Matrix: Solid | Lab File ID: 21204019.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 14:40

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.67(g) | Date Analyzed: 12/04/2012 16:04

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.: 67225 | 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	340	U	670	340	340
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	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	24	J	51	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	51	27	13
85-68-7	Butyl benzyl phthalate	27	U	51	27	10
86-74-8	Carbazole	27	U	51	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	51	3.3	3.3
95-57-8	2-Chlorophenol	27	U	51	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	51	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	51	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	51	27	9.8
541-73-1	1,3-Dichlorobenzene	27	U	51	27	11
106-46-7	1,4-Dichlorobenzene	27	U	51	27	20
91-94-1	3,3'-Dichlorobenzidine	81	U	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	51	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	51	27	17
84-74-2	Di-n-butyl phthalate	27	U	51	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0057M-0001-SO | Lab Sample ID: 240-17796-14

Matrix: Solid | Lab File ID: 21204019.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 14:40

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.67(g) | Date Analyzed: 12/04/2012 16:04

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
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	51	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	51	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	51	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.7	3.3	3.3
78-59-1	Isophorone	27	U	51	27	13
91-57-6	2-Methylnaphthalene	6.2	J	6.7	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	400	81	20
91-20-3	Naphthalene	5.1	J	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	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	51	27	27
100-02-7	4-Nitrophenol	81	U	330	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	51	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	51	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	3.3	U	6.7	3.3	3.3
108-95-2	Phenol	27	U	51	27	27
129-00-0	Pyrene	5.6	J	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	51	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0057M-0001-SO | Lab Sample ID: 240-17796-14

Matrix: Solid | Lab File ID: 21204019.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 14:40

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.67(g) | Date Analyzed: 12/04/2012 16:04

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	54		45-105
367-12-4	2-Fluorophenol (Surr)	57		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	56		35-100
4165-62-2	Phenol-d5 (Surr)	60		40-100
1718-51-0	Terphenyl-d14 (Surr)	63		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	63		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204019.D		
Lims ID:	240-17796-B-14-B	Client ID:	076SB-0057M-0001-SO
Inject. Date:	04-Dec-2012 16:04:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015502-019		
Misc. Info.:	240-17796-b-14-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	67225	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		

First Level Reviewer: gruberj Date: 05-Dec-2012 13:41:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.785	5.769	0.016	94	168794	4.00	
* 2 Naphthalene-d8	136	6.903	6.892	0.011	99	661066	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	94	384587	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	687781	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	97	723325	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	96	644876	4.00	
$ 7 2-Fluorophenol	112	4.673	4.486	0.187	89	448883	8.60	
$ 8 Phenol-d5	99	5.454	5.422	0.032	95	596391	9.00	
$ 9 Nitrobenzene-d5	82	6.277	6.267	0.010	87	323989	5.57	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	675878	5.42	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	94	151324	9.51	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	843842	6.30	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					
46 2-Chlorophenol	128		5.577					9
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					
61 Nitrobenzene	77		6.283					9
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					
69 Benzoic acid	122		6.652					9
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.919	6.914	0.005	56	12474	0.0755	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					
85 2-Methylnaphthalene	142	7.507	7.508	-0.001	66	9643	0.0913	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					
100 2-Nitroaniline	65		8.000					9
103 Dimethyl phthalate	163		8.139					
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					9
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168		8.561					9
119 Diethyl phthalate	149		8.727					9
121 4-Chlorophenyl phenyl ether	204		8.839					9
124 Fluorene	166		8.850					
123 4-Nitroaniline	138		8.855					9
126 4,6-Dinitro-2-methylphenol	198		8.877					9
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178		9.663					
147 Anthracene	178		9.711					
149 Carbazole	167		9.834					9
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	80	26082	0.1281	
157 Fluoranthene	202		10.669					
160 Pyrene	202	10.866	10.866	0.0	92	19087	0.0827	
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	82	22637	0.3622	
175 Benzo[a]anthracene	228		12.107					
176 Chrysene	228		12.150					
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252		13.551					
181 Benzo[k]fluoranthene	252		13.594					
182 Benzo[a]pyrene	252		14.038					
186 Indeno[1,2,3-cd]pyrene	276		15.723					
187 Dibenz(a,h)anthracene	278		15.750					9
188 Benzo[g,h,i]perylene	276		16.135					

QC Flag Legend

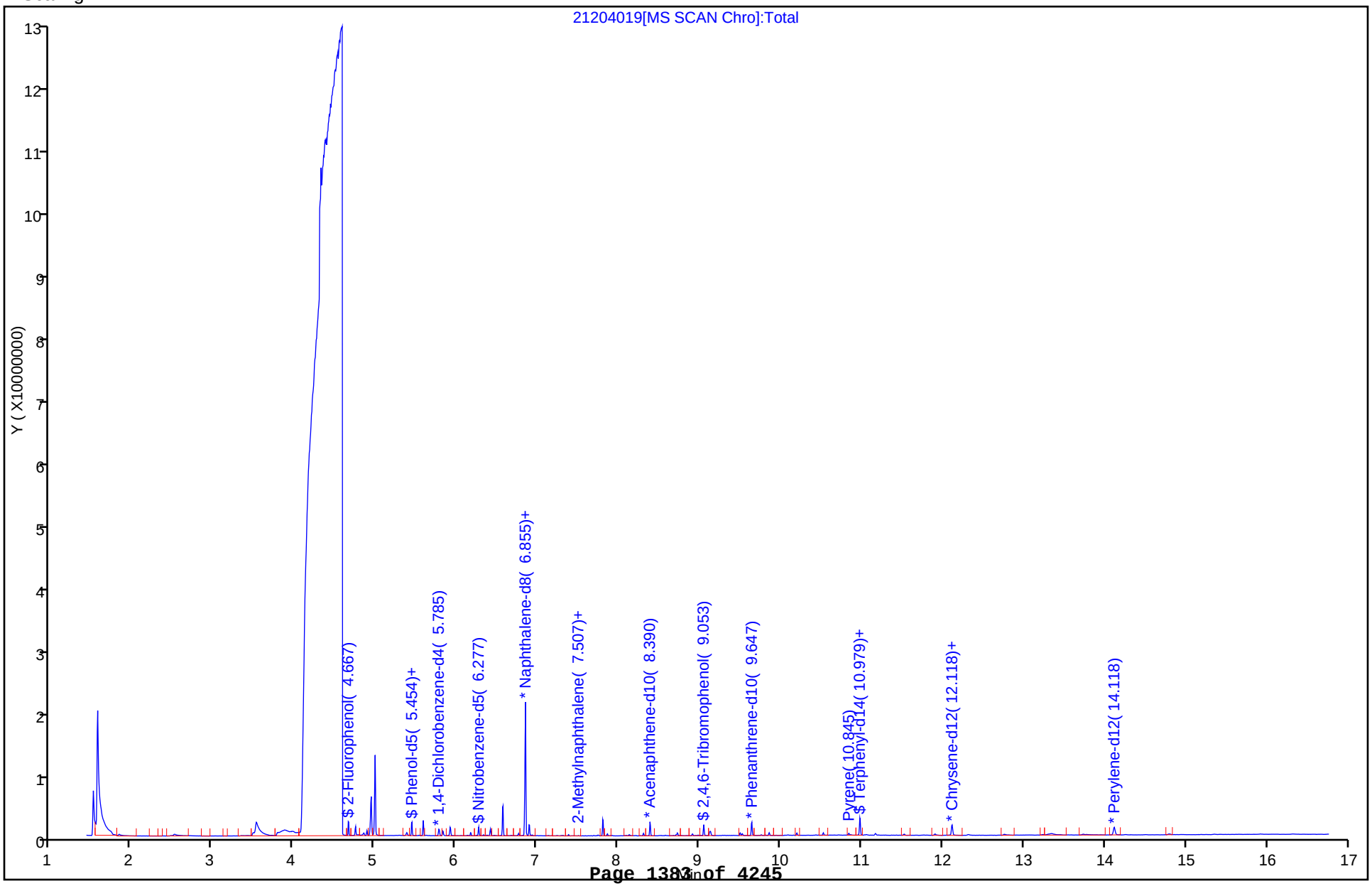
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204019.D		
Injection Date:	04-Dec-2012 16:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0057M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



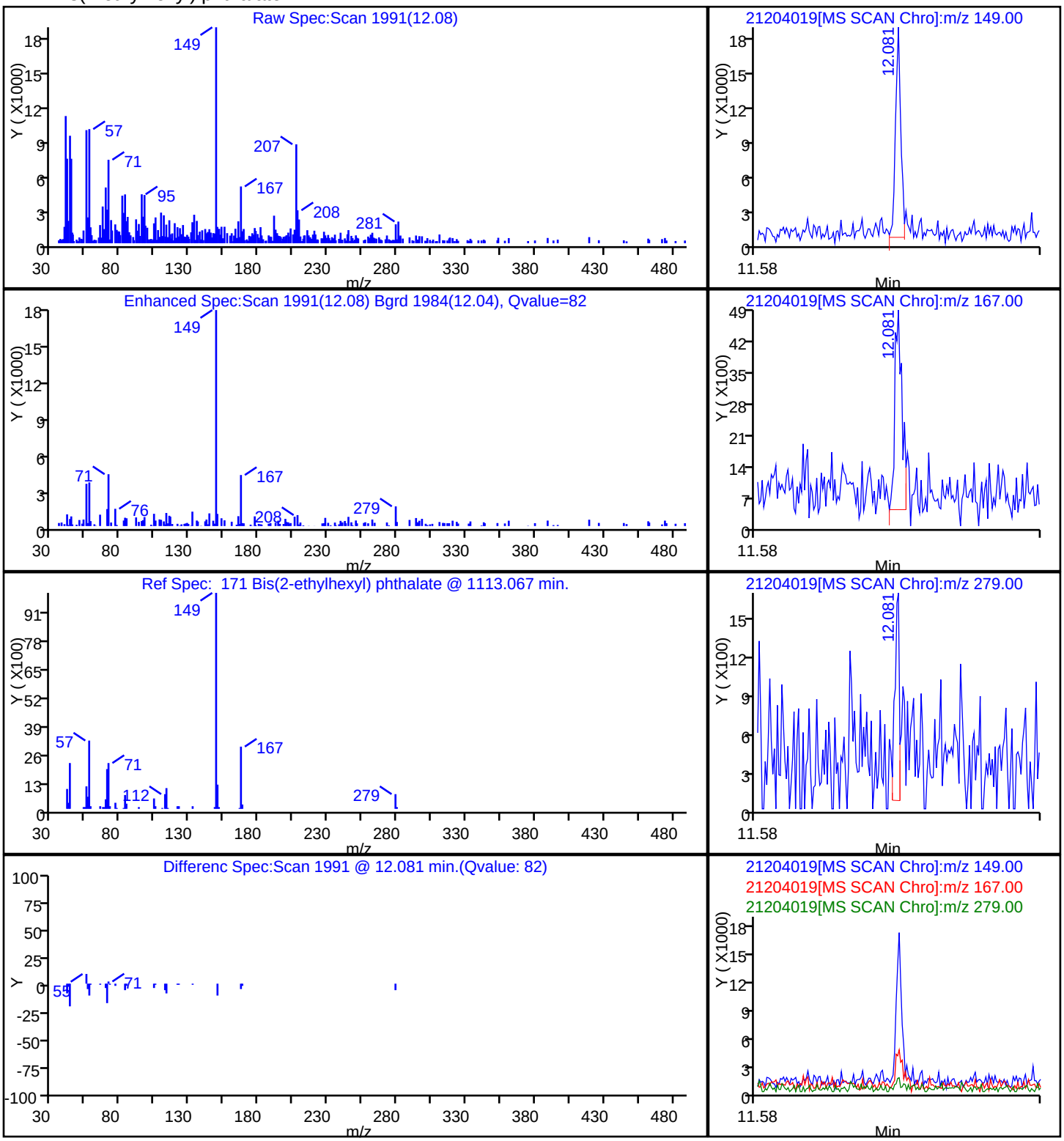
Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204019.D

Injection Date:	04-Dec-2012 16:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0057M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



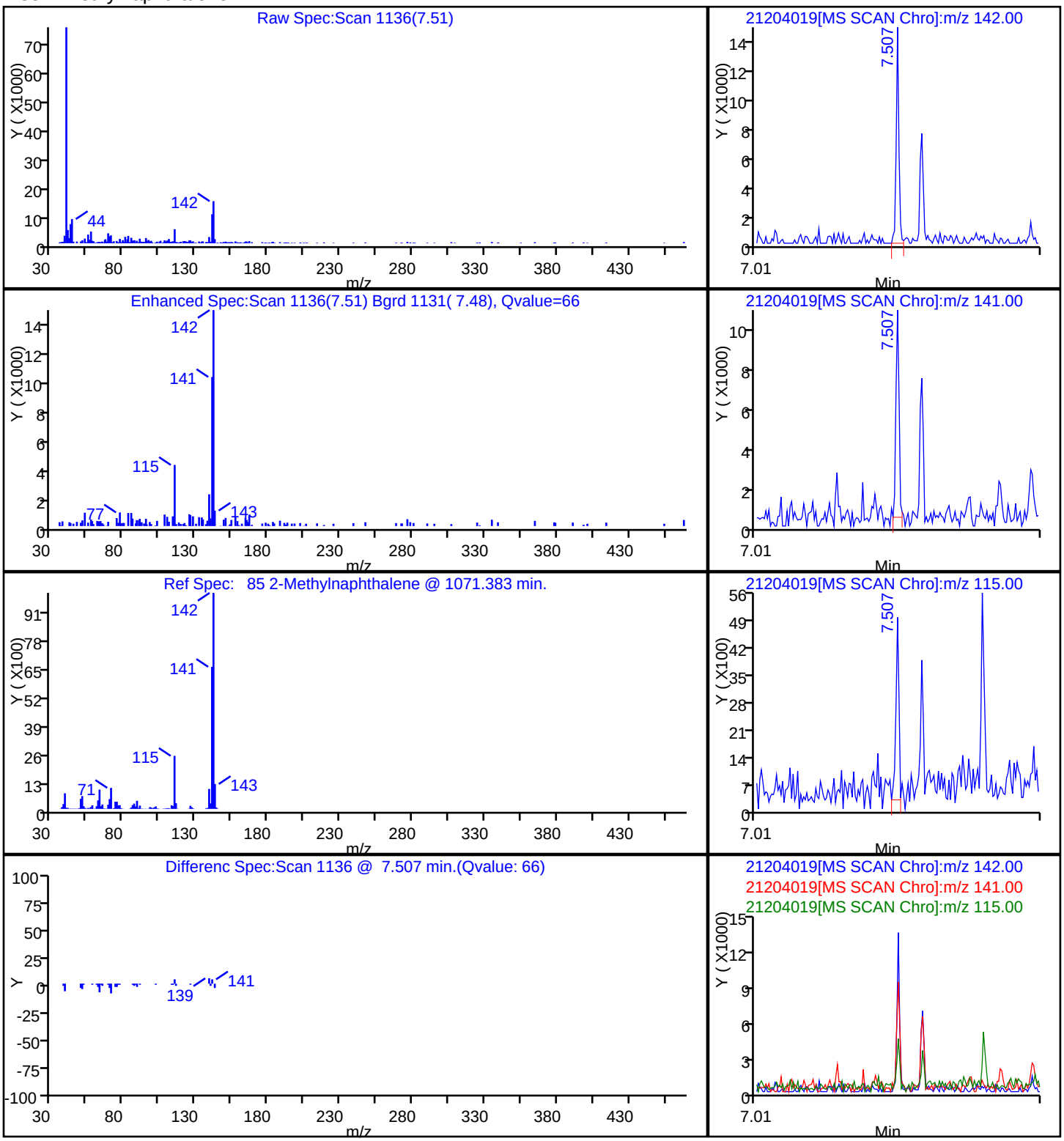
Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204019.D

Injection Date:	04-Dec-2012 16:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0057M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene

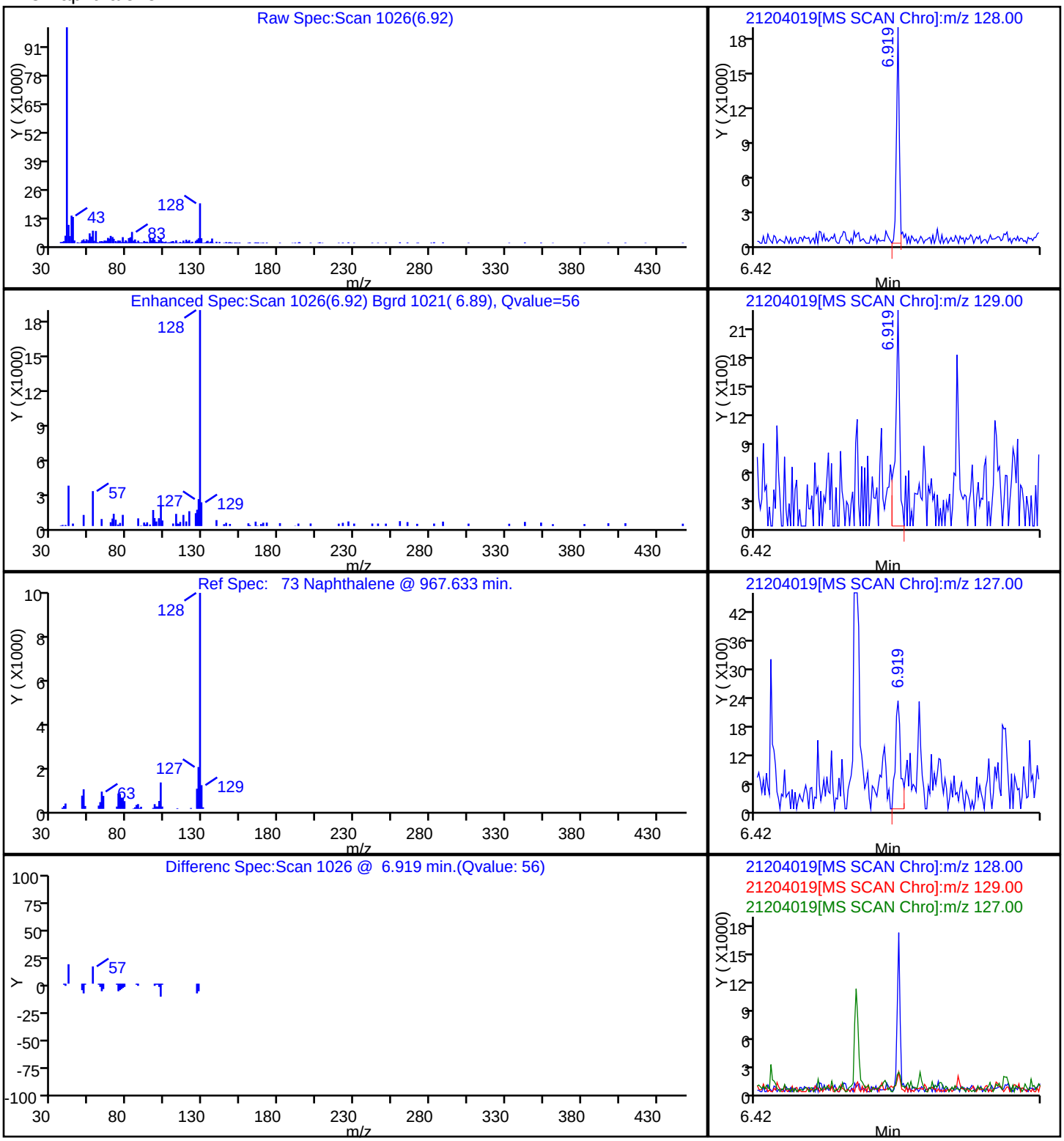


Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204019.D		
Injection Date:	04-Dec-2012 16:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0057M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



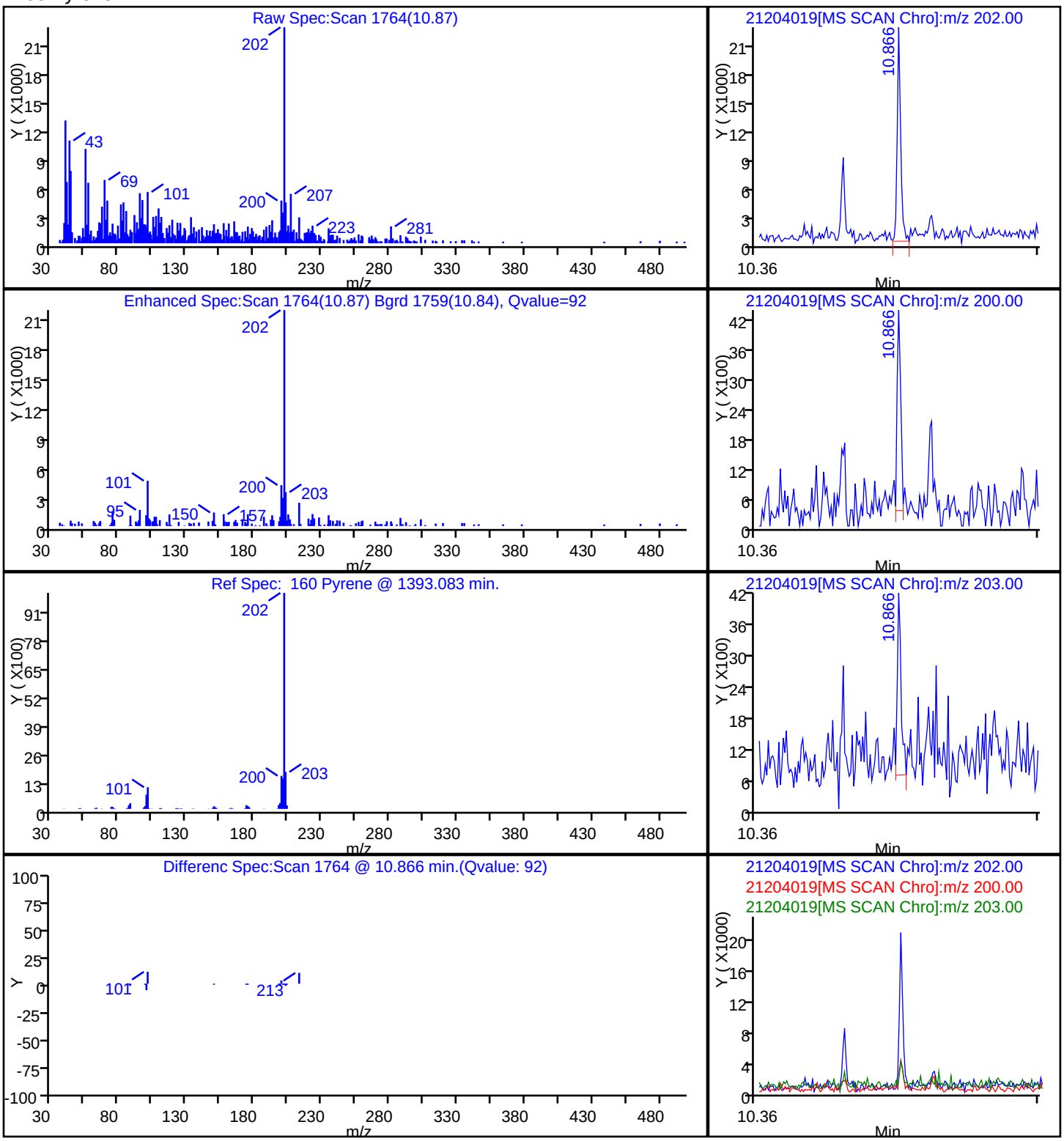
Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204019.D

Injection Date:	04-Dec-2012 16:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0057M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	19
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0058M-0001-SO | Lab Sample ID: 240-17796-15

Matrix: Solid | Lab File ID: 21204020.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:30

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.74(g) | Date Analyzed: 12/04/2012 16:28

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.: 67225 | 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	4.2	J	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	5.1	J	6.7	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
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	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	35	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	9.8
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	81	U	100	81	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	81	U	150	81	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0058M-0001-SO | Lab Sample ID: 240-17796-15

Matrix: Solid | Lab File ID: 21204020.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:30

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.74(g) | Date Analyzed: 12/04/2012 16:28

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	330	81	81
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	9.1
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	9.0		6.7	3.3	3.3
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	400	81	20
91-20-3	Naphthalene	10		6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	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	81	U	330	81	81
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	81	U	150	81	81
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	5.8	J	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	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0058M-0001-SO | Lab Sample ID: 240-17796-15

Matrix: Solid | Lab File ID: 21204020.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 15:30

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.74(g) | Date Analyzed: 12/04/2012 16:28

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		45-105
367-12-4	2-Fluorophenol (Surr)	66		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)	69		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	67		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204020.D
Lims ID: 240-17796-B-15-B
Client ID: 076SB-0058M-0001-SO
Inject. Date: 04-Dec-2012 16:28:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015502-020
Misc. Info.: 240-17796-b-15-b
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 20
Lims Batch ID: 67225
Lims Sample ID: 20
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:46:36
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: XAWRK027

First Level Reviewer: gruberj
Date: 05-Dec-2012 13:41:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.791	5.769	0.022	95	172697	4.00	
* 2 Naphthalene-d8	136	6.903	6.892	0.011	99	652091	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	92	381367	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	680150	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	97	733929	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	97	668124	4.00	
$ 7 2-Fluorophenol	112	4.721	4.486	0.235	91	525227	9.84	
$ 8 Phenol-d5	99	5.464	5.422	0.042	96	679777	10.0	
$ 9 Nitrobenzene-d5	82	6.283	6.267	0.016	87	370545	6.46	
$ 10 2-Fluorobiphenyl (Surr)	172	7.813	7.807	0.006	99	784487	6.34	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	93	158626	10.1	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	934431	6.87	
41 Phenol	94		5.432					2
44 Bis(2-chloroethyl)ether	93		5.523					
46 2-Chlorophenol	128		5.577					9
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					9
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93		6.668					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					9
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.919	6.914	0.005	36	24334	0.1493	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142	7.508	7.508	0.0	61	13897	0.1333	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					9
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168		8.561					
119 Diethyl phthalate	149		8.727					
121 4-Chlorophenyl phenyl ether	204		8.839					9
124 Fluorene	166		8.850					9
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					9
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178		9.663					
147 Anthracene	178		9.711					
149 Carbazole	167		9.834					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	76	24199	0.1201	
157 Fluoranthene	202		10.669					
160 Pyrene	202	10.867	10.866	0.001	89	20207	0.0863	
166 Butyl benzyl phthalate	149		11.439					9
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	85	43537	0.5146	
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	72	13324	0.0625	
181 Benzo[k]fluoranthene	252		13.594					
182 Benzo[a]pyrene	252		14.038					
186 Indeno[1,2,3-cd]pyrene	276		15.723					9
187 Dibenz(a,h)anthracene	278		15.750					9
188 Benzo[g,h,i]perylene	276	16.130	16.135	-0.005	67	14400	0.0753	

QC Flag Legend

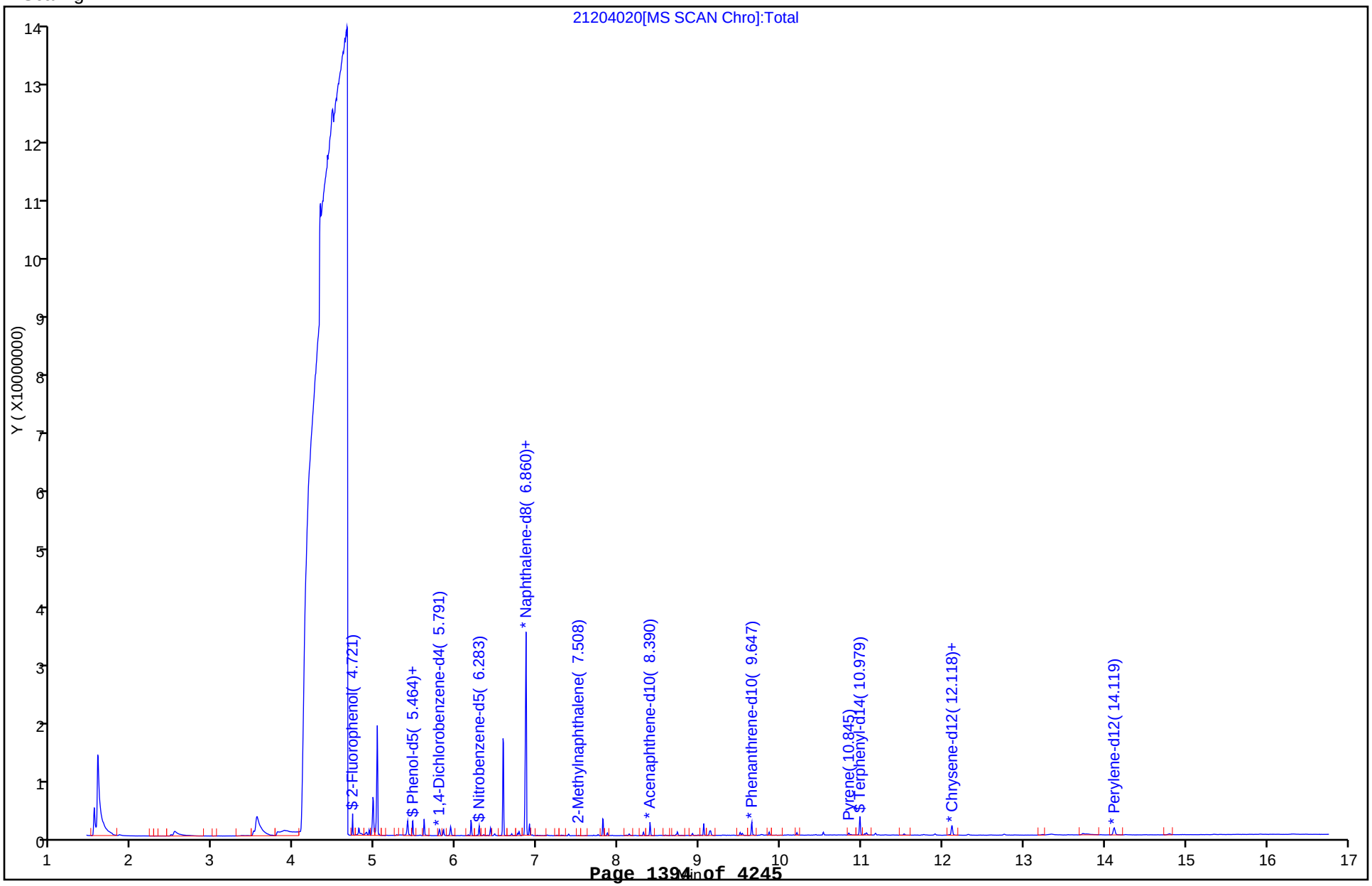
Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204020.D		
Injection Date:	04-Dec-2012 16:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0058M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



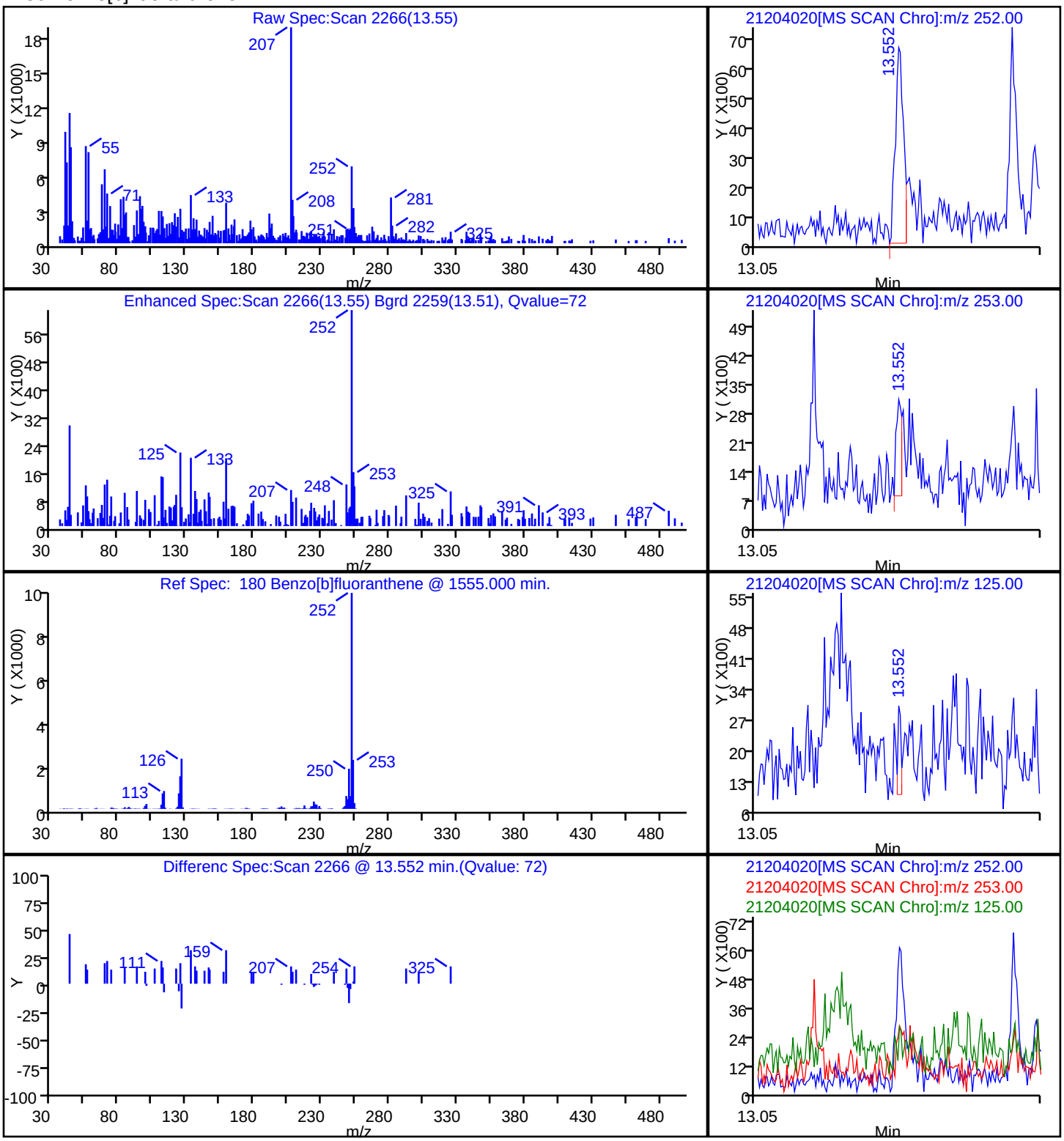
Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204020.D

Injection Date:	04-Dec-2012 16:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0058M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



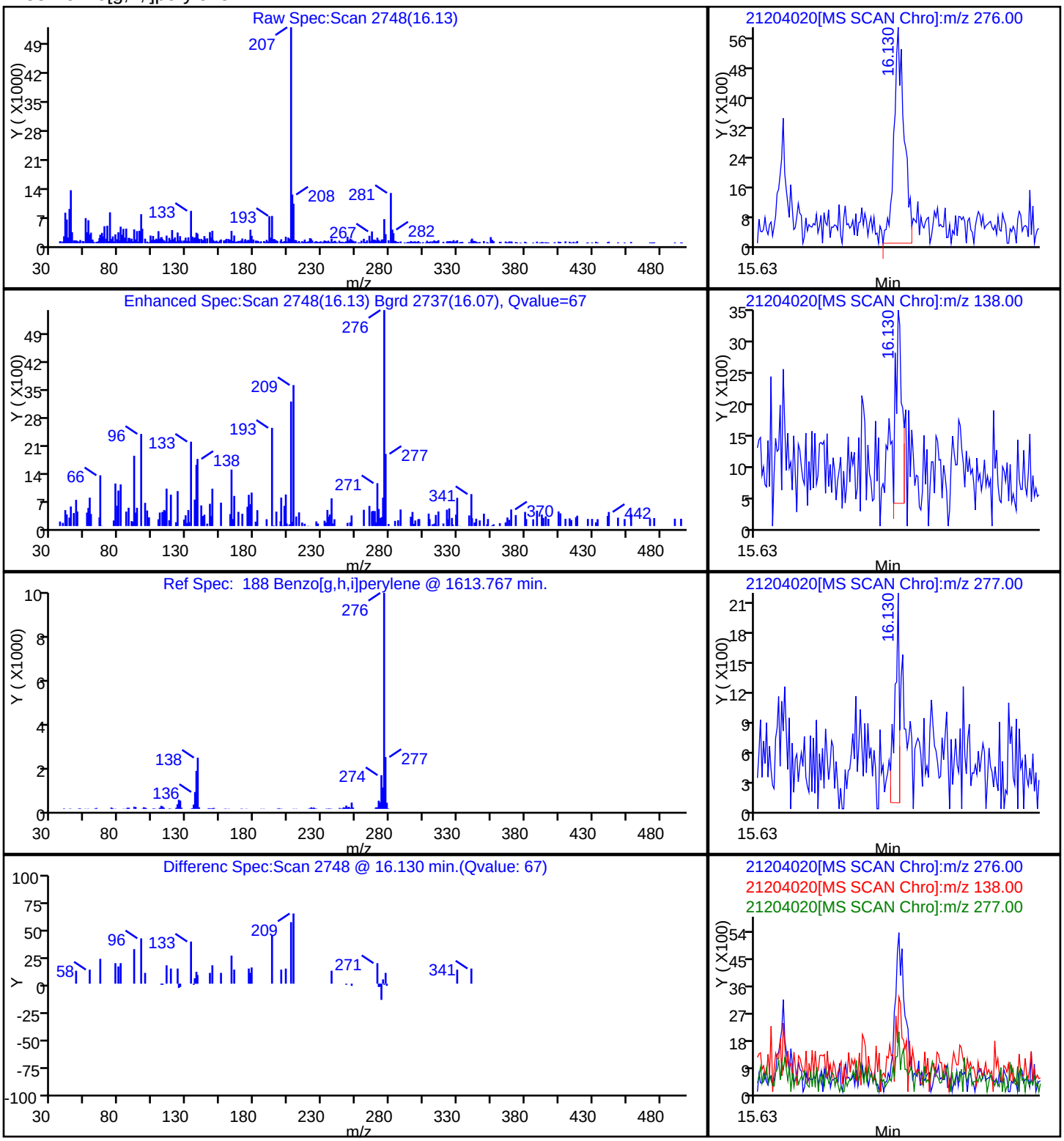
Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204020.D

Injection Date:	04-Dec-2012 16:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0058M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene



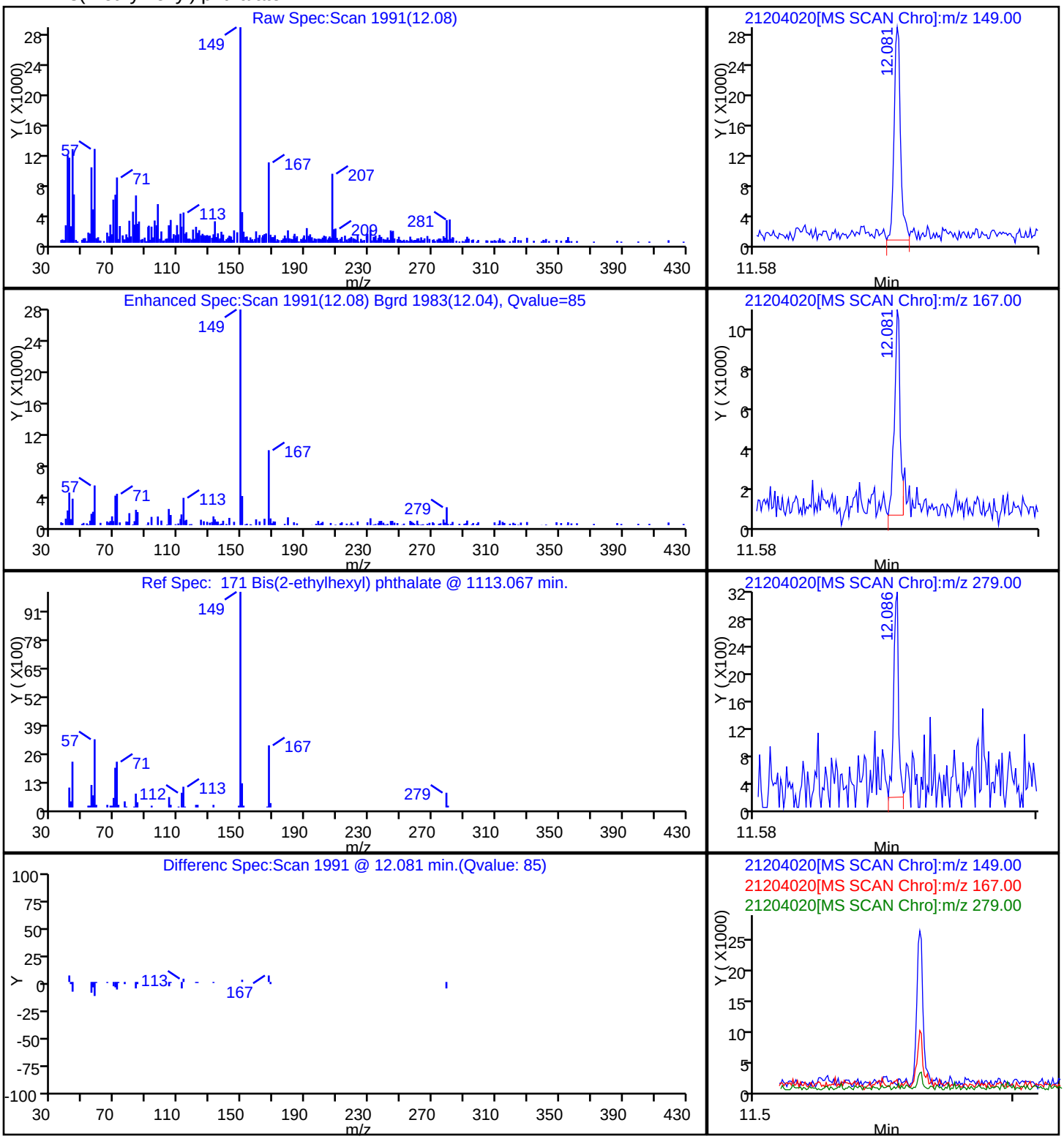
Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204020.D

Injection Date:	04-Dec-2012 16:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0058M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



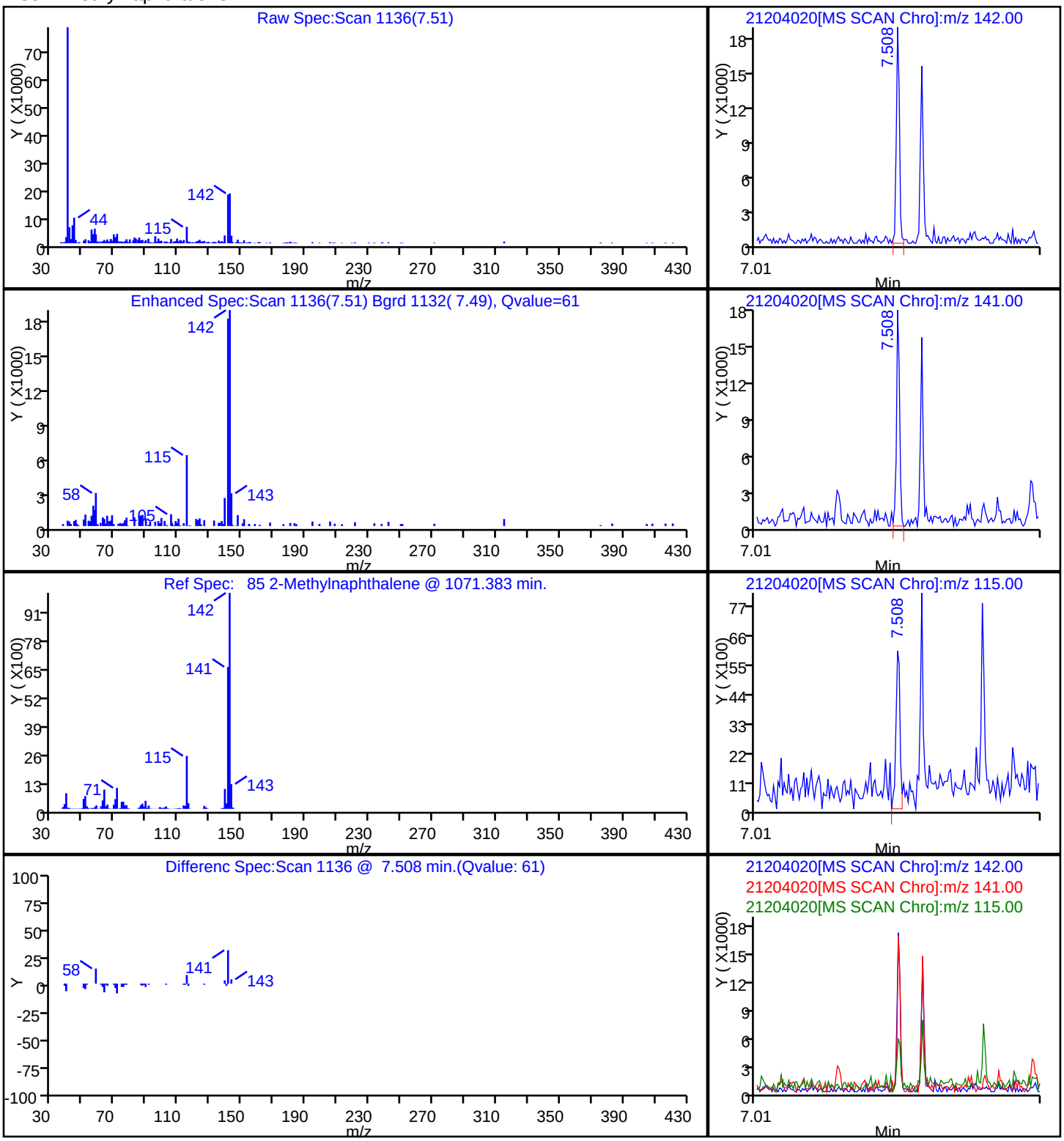
Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204020.D

Injection Date:	04-Dec-2012 16:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0058M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene

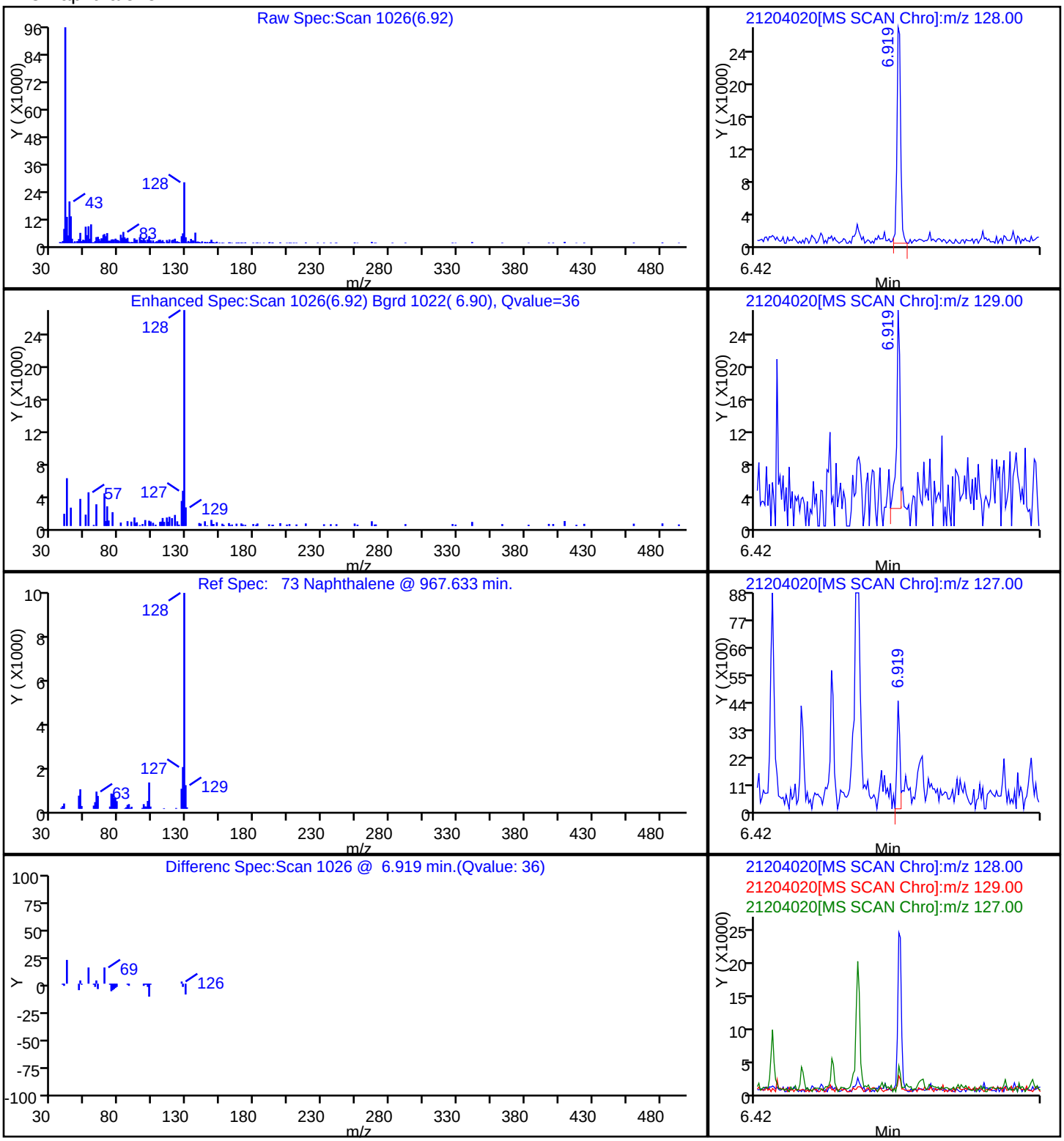


Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204020.D		
Injection Date:	04-Dec-2012 16:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0058M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	20
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



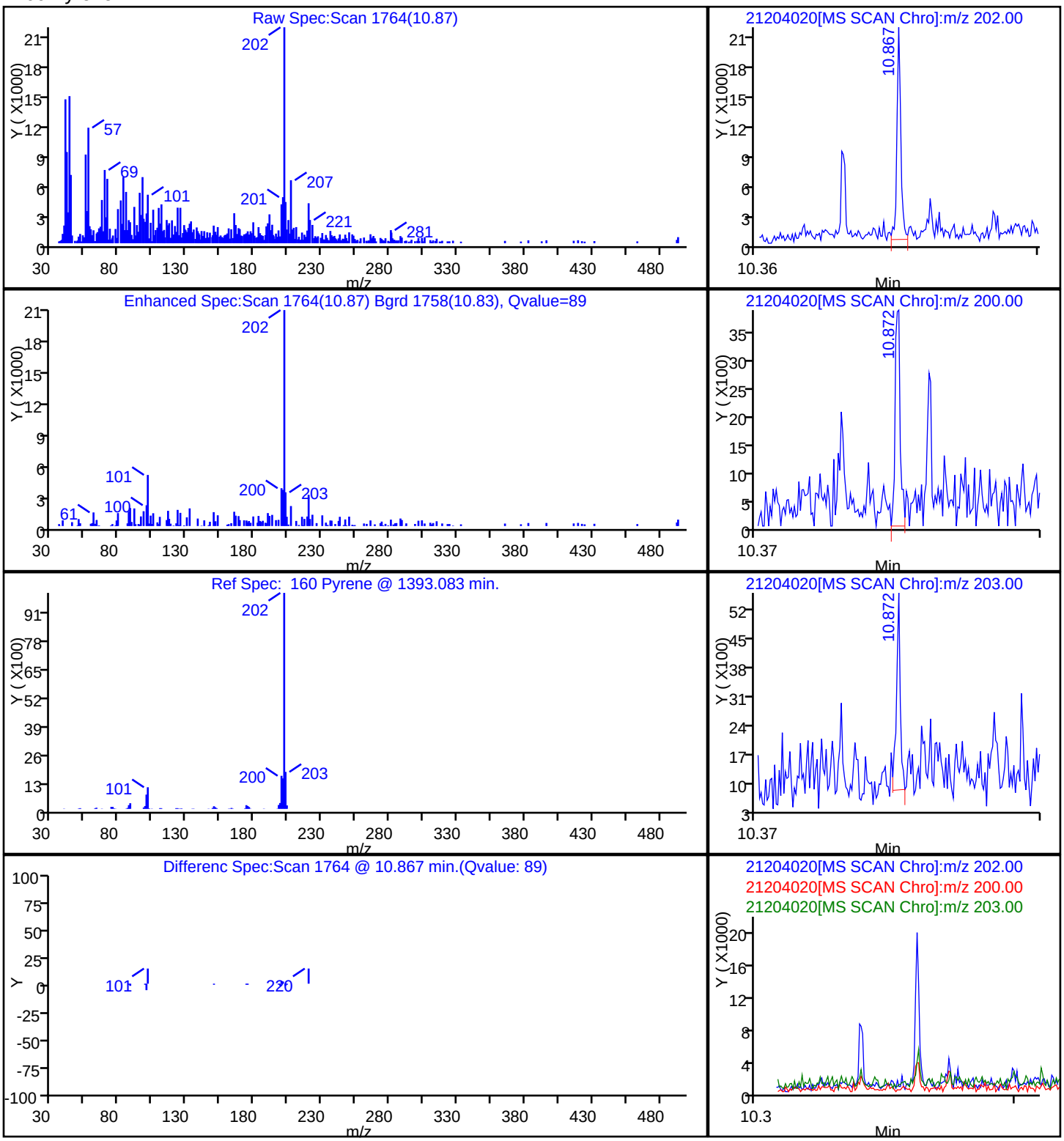
Report Date: 05-Dec-2012 13:46:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204020.D

Injection Date:	04-Dec-2012 16:28:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0058M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	20
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0059M-0001-SO | Lab Sample ID: 240-17796-16

Matrix: Solid | Lab File ID: 21204018.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 16:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.52(g) | Date Analyzed: 12/04/2012 15:40

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.4	U	6.8	3.4	3.4
208-96-8	Acenaphthylene	3.4	U	6.8	3.4	3.4
120-12-7	Anthracene	3.4	U	6.8	3.4	3.4
56-55-3	Benzo[a]anthracene	3.4	U	6.8	3.4	3.4
50-32-8	Benzo[a]pyrene	3.4	U	6.8	3.4	3.4
205-99-2	Benzo[b]fluoranthene	4.2	J	6.8	3.4	3.4
191-24-2	Benzo[g,h,i]perylene	3.4	U	6.8	3.4	3.4
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	3.4	U	6.8	3.4	3.4
100-51-6	Benzyl alcohol	27	U	340	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.4	U	100	3.4	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	100	27	9.7
117-81-7	Bis(2-ethylhexyl) phthalate	27	J	51	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	51	27	13
85-68-7	Butyl benzyl phthalate	27	U	51	27	10
86-74-8	Carbazole	27	U	51	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	3.4	U	51	3.4	3.4
95-57-8	2-Chlorophenol	27	U	51	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	51	27	13
218-01-9	Chrysene	3.4	U	6.8	3.4	1.1
53-70-3	Dibenz(a,h)anthracene	3.4	U	6.8	3.4	3.4
132-64-9	Dibenzofuran	3.4	U	51	3.4	3.4
95-50-1	1,2-Dichlorobenzene	27	U	51	27	9.9
541-73-1	1,3-Dichlorobenzene	27	U	51	27	11
106-46-7	1,4-Dichlorobenzene	27	U	51	27	20
91-94-1	3,3'-Dichlorobenzidine	81	U	100	81	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	51	27	16
105-67-9	2,4-Dimethylphenol	81	U	150	81	20
131-11-3	Dimethyl phthalate	27	U	51	27	17
84-74-2	Di-n-butyl phthalate	27	U	51	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0059M-0001-SO | Lab Sample ID: 240-17796-16

Matrix: Solid | Lab File ID: 21204018.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 16:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.52(g) | Date Analyzed: 12/04/2012 15:40

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	81	U	150	81	81
51-28-5	2,4-Dinitrophenol	81	U	340	81	81
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	51	27	27
206-44-0	Fluoranthene	4.0	J	6.8	3.4	3.4
86-73-7	Fluorene	3.4	U	6.8	3.4	3.4
118-74-1	Hexachlorobenzene	3.4	U	6.8	3.4	2.1
87-68-3	Hexachlorobutadiene	27	U	51	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	340	27	27
67-72-1	Hexachloroethane	27	U	51	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	3.4	U	6.8	3.4	3.4
78-59-1	Isophorone	27	U	51	27	13
91-57-6	2-Methylnaphthalene	9.3	M	6.8	3.4	3.4
95-48-7	2-Methylphenol	81	U	200	81	81
15831-10-4	3 & 4 Methylphenol	81	U	410	81	20
91-20-3	Naphthalene	6.2	J	6.8	3.4	3.4
88-74-4	2-Nitroaniline	27	U	200	27	9.2
99-09-2	3-Nitroaniline	81	U	200	81	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.4	U	100	3.4	2.2
88-75-5	2-Nitrophenol	27	U	51	27	27
100-02-7	4-Nitrophenol	81	U	340	81	81
621-64-7	N-Nitrosodi-n-propylamine	27	U	51	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	51	27	21
87-86-5	Pentachlorophenol	81	U	150	81	81
85-01-8	Phenanthrene	5.8	J	6.8	3.4	3.4
108-95-2	Phenol	27	U	51	27	27
129-00-0	Pyrene	4.8	J	6.8	3.4	3.4
120-82-1	1,2,4-Trichlorobenzene	27	U	51	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	81	U	150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0059M-0001-SO | Lab Sample ID: 240-17796-16

Matrix: Solid | Lab File ID: 21204018.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 16:00

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.52(g) | Date Analyzed: 12/04/2012 15:40

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	73		45-105
367-12-4	2-Fluorophenol (Surr)	60		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	75		35-100
4165-62-2	Phenol-d5 (Surr)	81		40-100
1718-51-0	Terphenyl-d14 (Surr)	77		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	58		35-125

Report Date: 05-Dec-2012 13:46:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D
Lims ID: 240-17796-B-16-B Client ID: 076SB-0059M-0001-SO
Inject. Date: 04-Dec-2012 15:40:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015502-018
Misc. Info.: 240-17796-b-16-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 67225 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:46:36 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: XAWRK027

First Level Reviewer: gruberj Date: 05-Dec-2012 13:40:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.785	5.769	0.016	93	165027	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	96	634676	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	91	376561	4.00	
* 4 Phenanthrene-d10	188	9.642	9.647	-0.005	97	660552	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	716164	4.00	
* 6 Perylene-d12	264	14.113	14.118	-0.005	94	654854	4.00	
$ 7 2-Fluorophenol	112	5.031	4.486	0.545	86	460350	9.02	
$ 8 Phenol-d5	99	5.496	5.422	0.074	96	784114	12.1	
$ 9 Nitrobenzene-d5	82	6.272	6.267	0.005	88	415878	7.45	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	886448	7.26	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	91	135738	8.71	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	1021443	7.70	
41 Phenol	94		5.432					
44 Bis(2-chloroethyl)ether	93		5.523					
46 2-Chlorophenol	128		5.577					9
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					
52 2,2'-oxybis[1-chloropropane]	45		6.010					9
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					
61 Nitrobenzene	77		6.283					9
63 Isophorone	82		6.486					9
65 2-Nitrophenol	139		6.561					
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					9
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					9
73 Naphthalene	128	6.914	6.914	0.0	35	14411	0.0909	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					
85 2-Methylnaphthalene	142	7.508	7.508	0.0	61	13932	0.1373	M
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					9
91 2,4,5-Trichlorophenol	196		7.770					9
98 2-Chloronaphthalene	162		7.919					9
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					9
108 3-Nitroaniline	138		8.342					
110 Acenaphthene	153		8.417					9
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					
114 Dibenzofuran	168		8.561					
119 Diethyl phthalate	149		8.727					
121 4-Chlorophenyl phenyl ether	204		8.839					9
124 Fluorene	166		8.850					9
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					9
146 Phenanthrene	178	9.663	9.663	0.0	71	15570	0.0863	
147 Anthracene	178		9.711					
149 Carbazole	167		9.834					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	80	24361	0.1245	
157 Fluoranthene	202	10.669	10.669	0.0	83	11857	0.0595	
160 Pyrene	202	10.867	10.866	0.001	90	16122	0.0705	
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149	12.075	12.081	-0.006	78	28134	0.4057	
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	74	12897	0.0617	
181 Benzo[k]fluoranthene	252		13.594					M
182 Benzo[a]pyrene	252		14.038					
186 Indeno[1,2,3-cd]pyrene	276		15.723					
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276		16.135					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

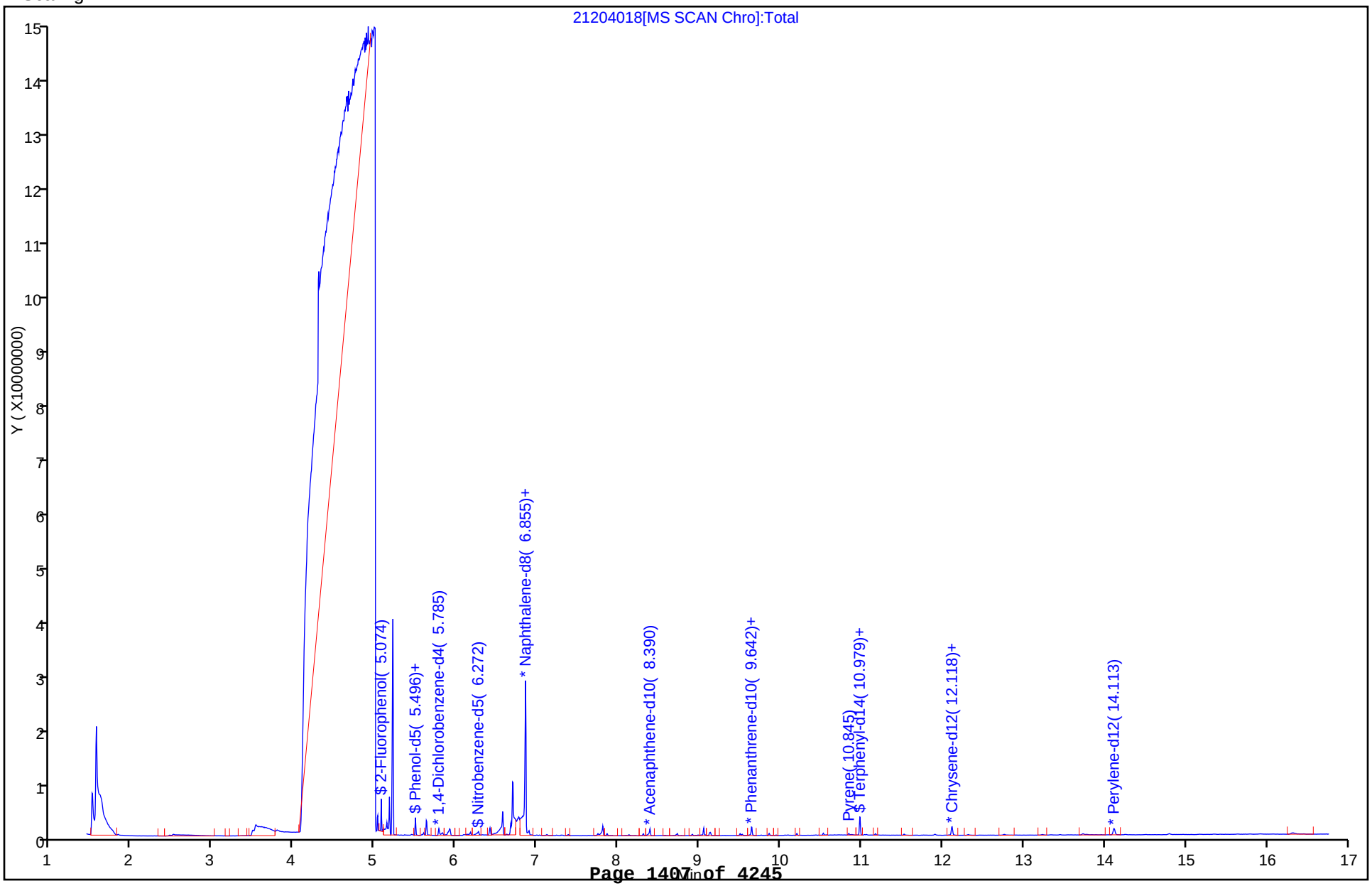
Review Flags
M - Manually Integrated

Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D		
Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



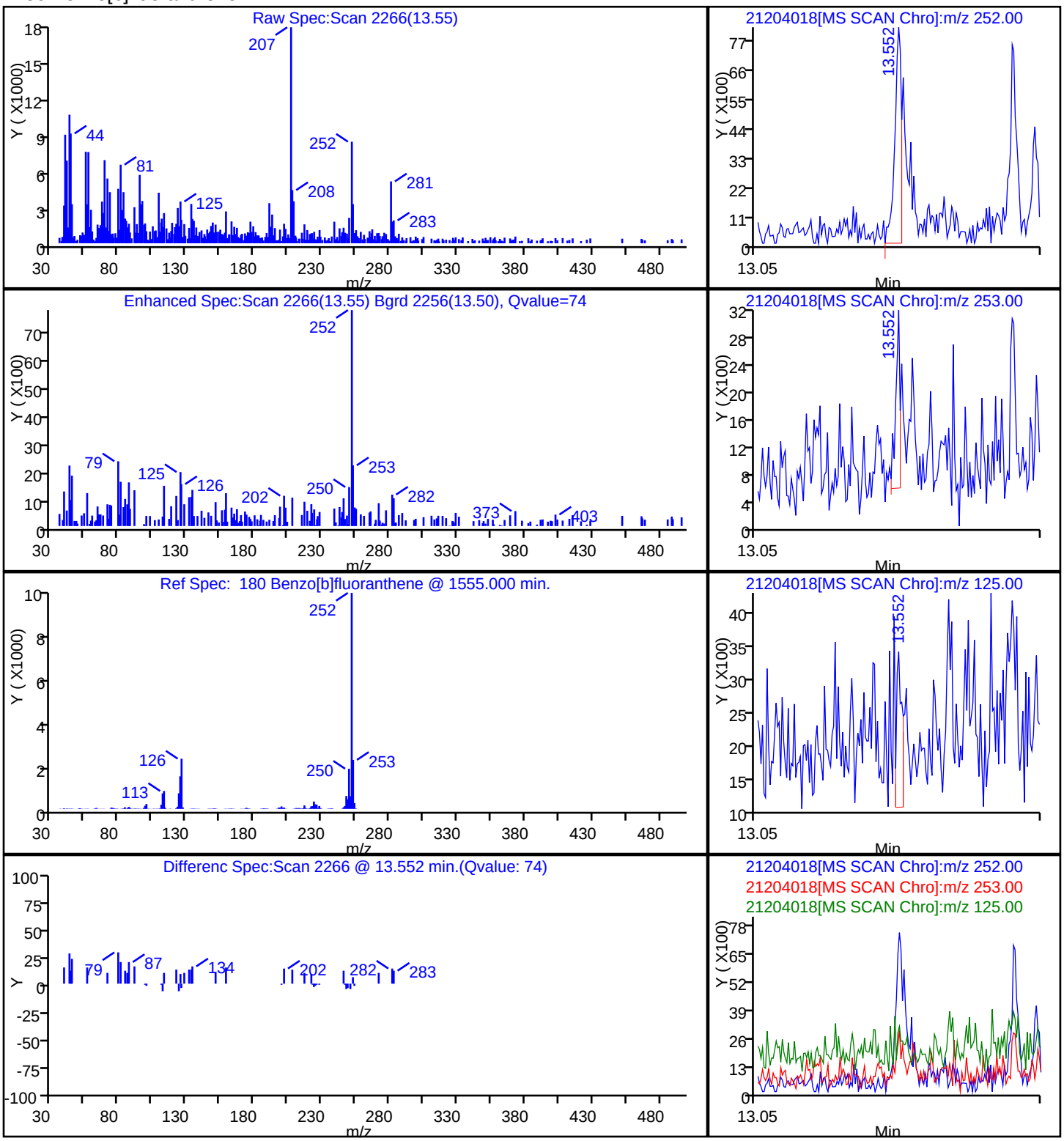
Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D

Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



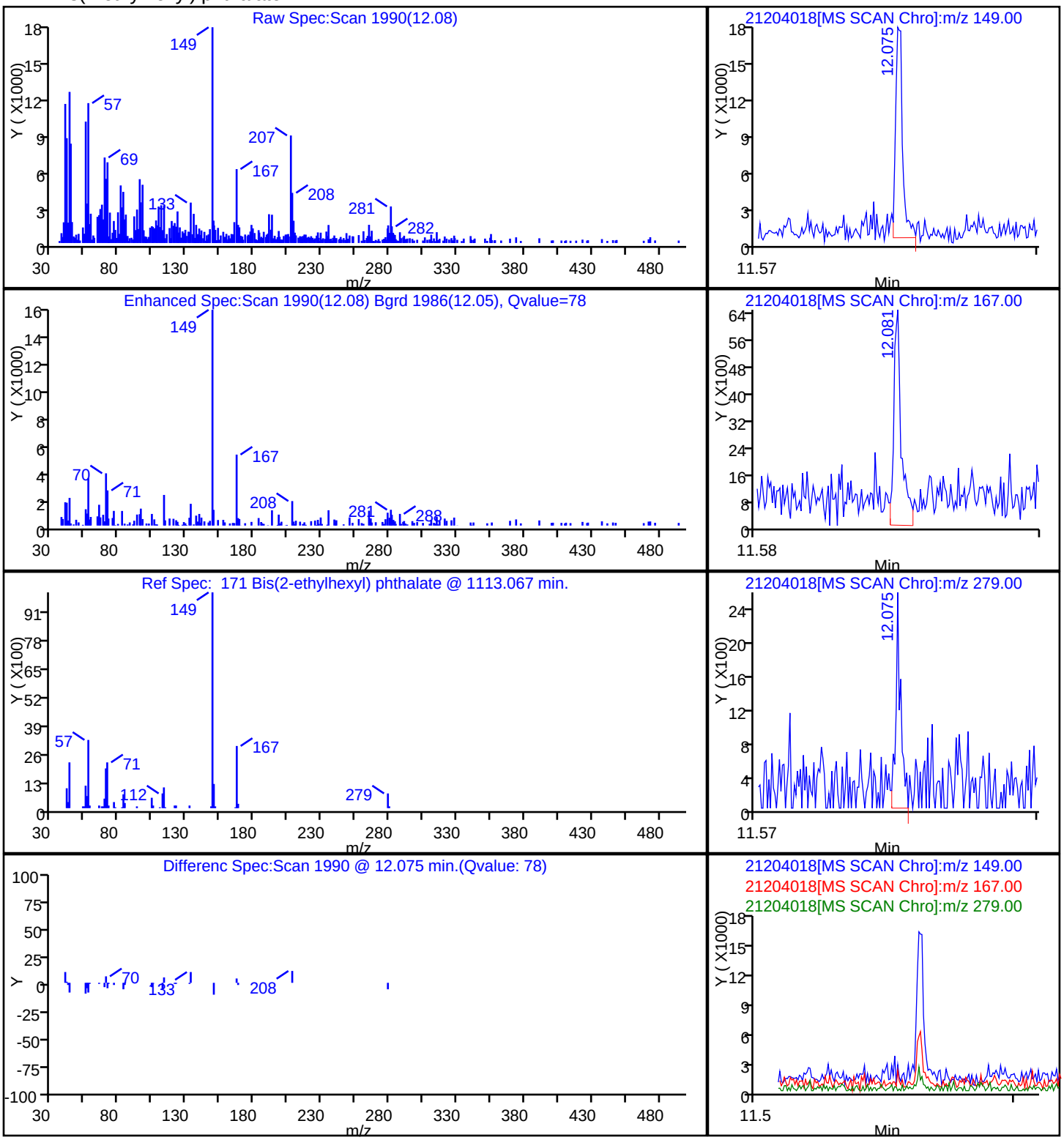
Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D

Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate

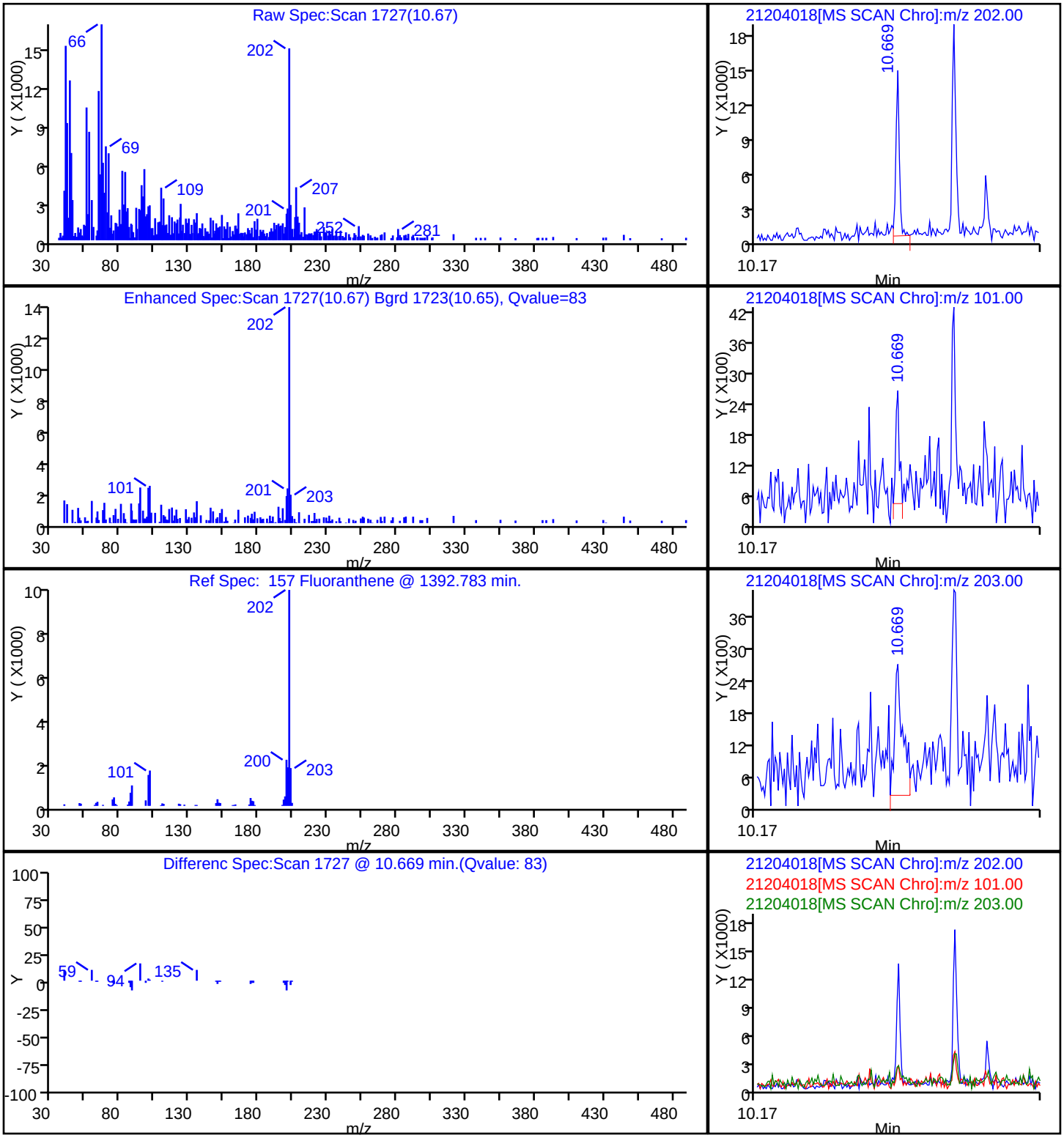


Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D		
Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



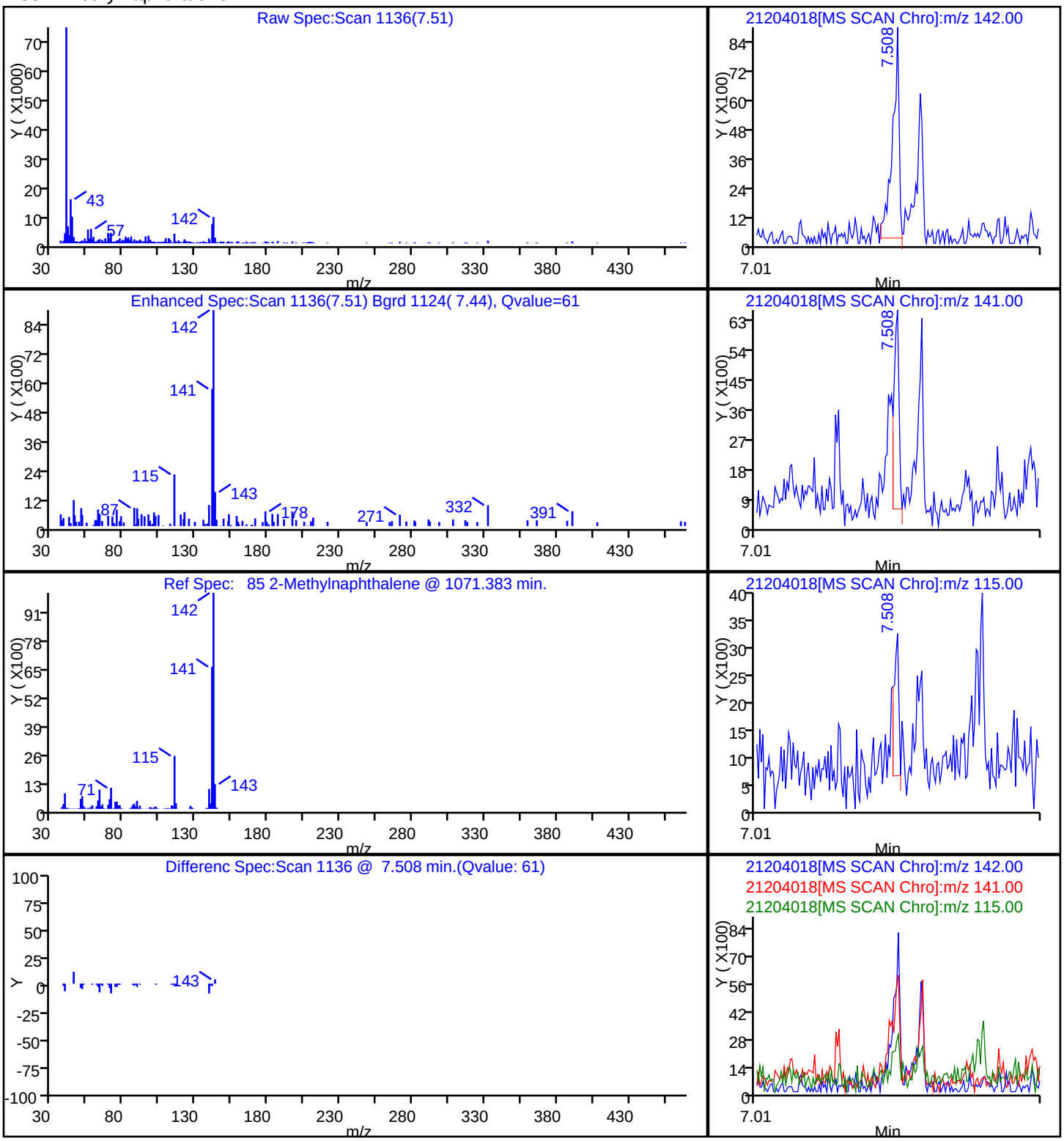
Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D

Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene

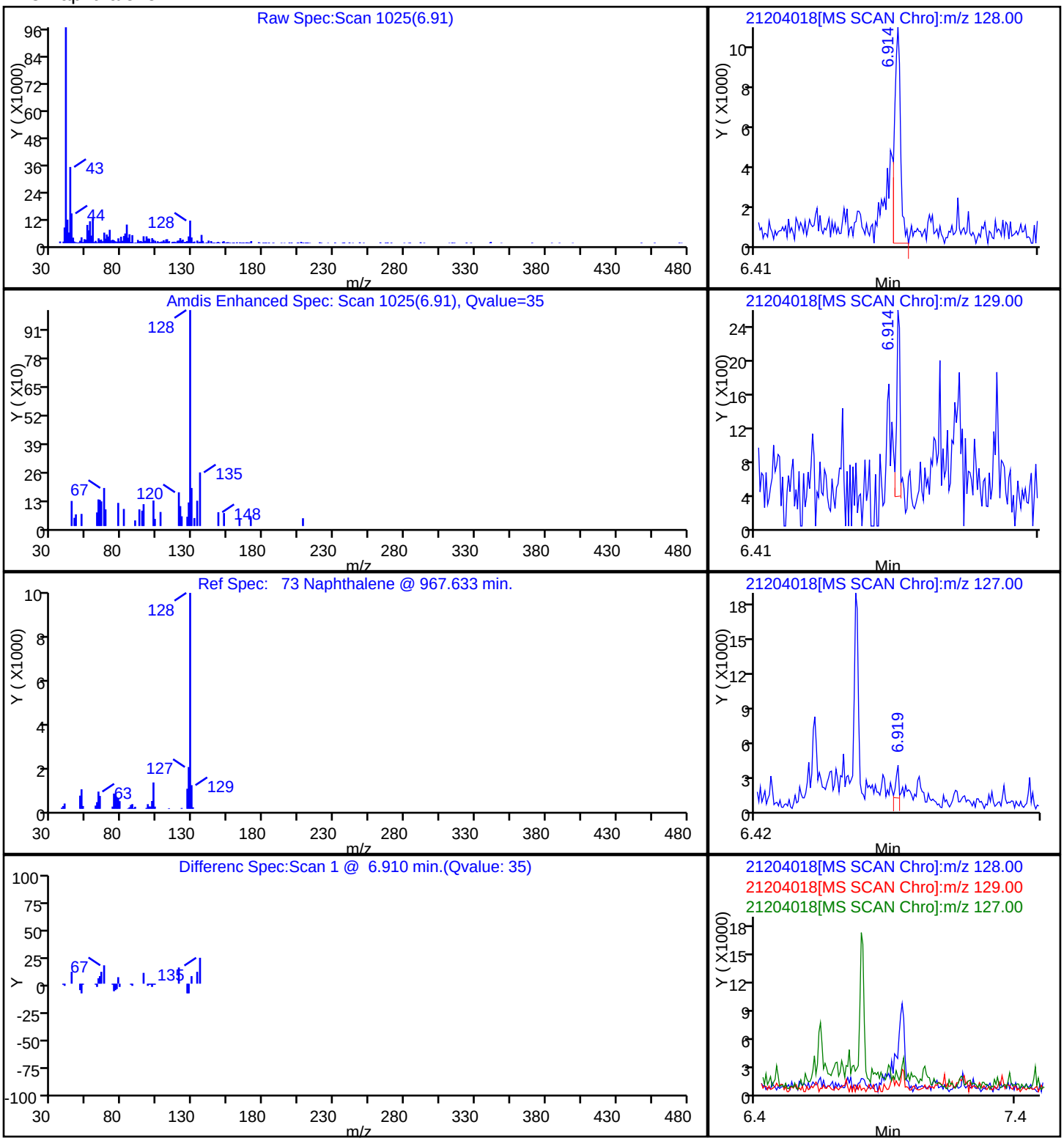


Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D		
Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



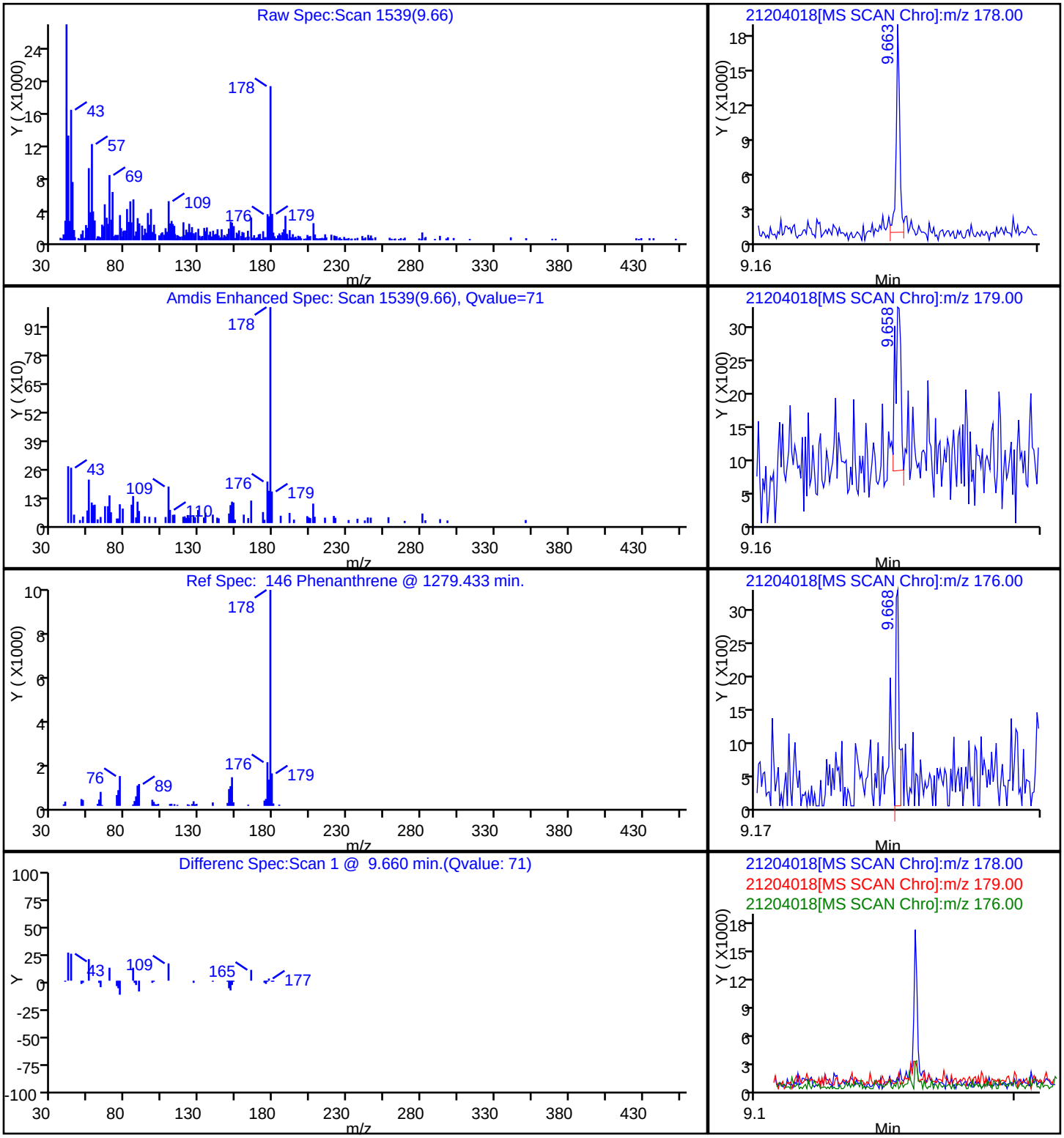
Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D

Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



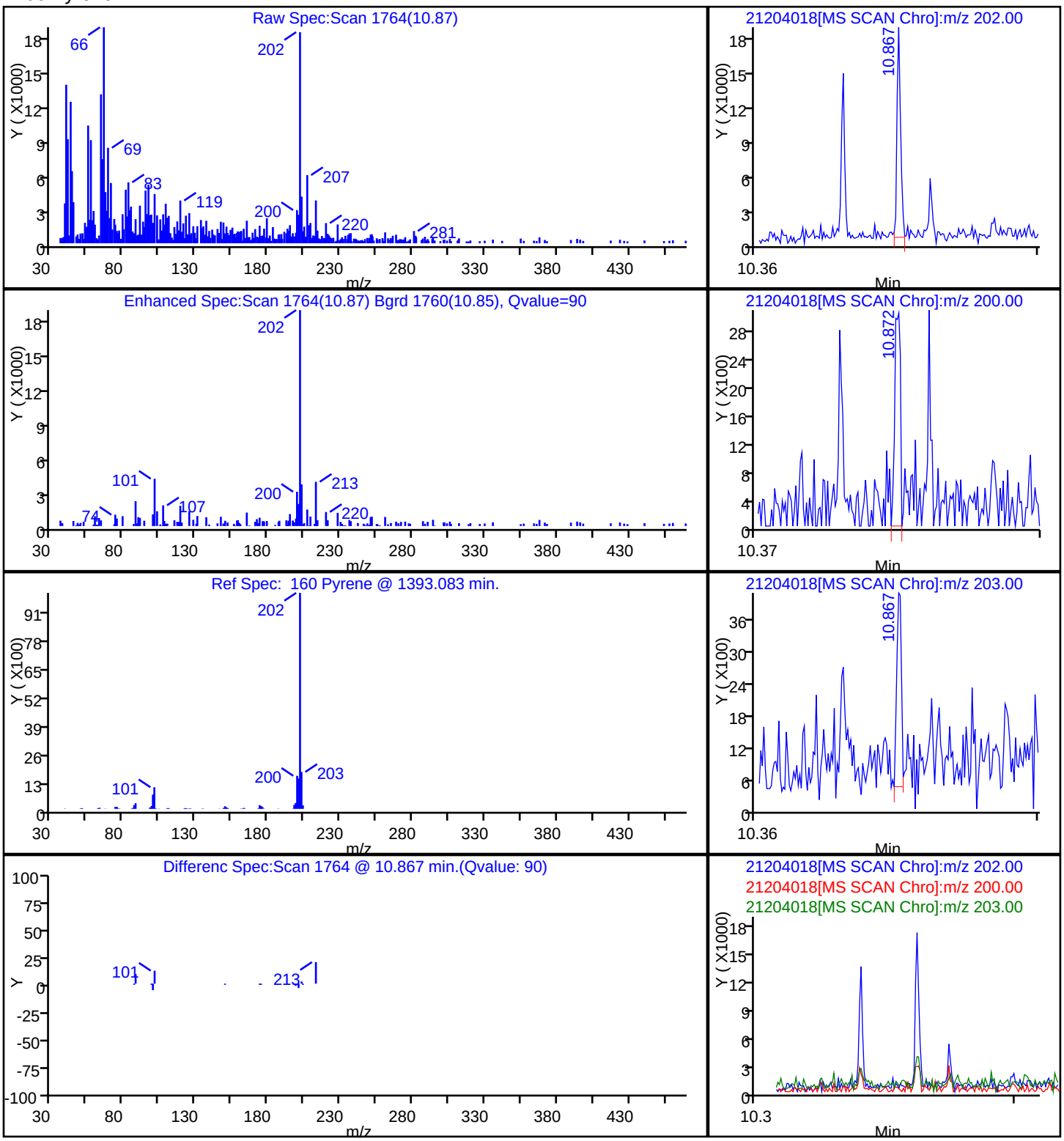
Report Date: 05-Dec-2012 13:46:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D

Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
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

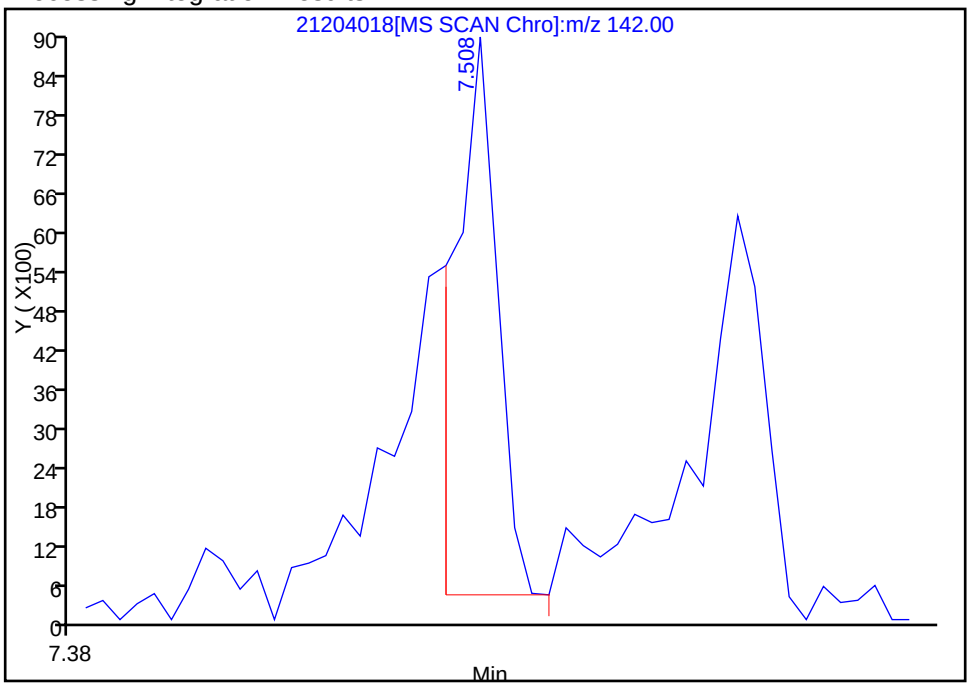
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204018.D		
Injection Date:	04-Dec-2012 15:40:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0059M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	18
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 7.51

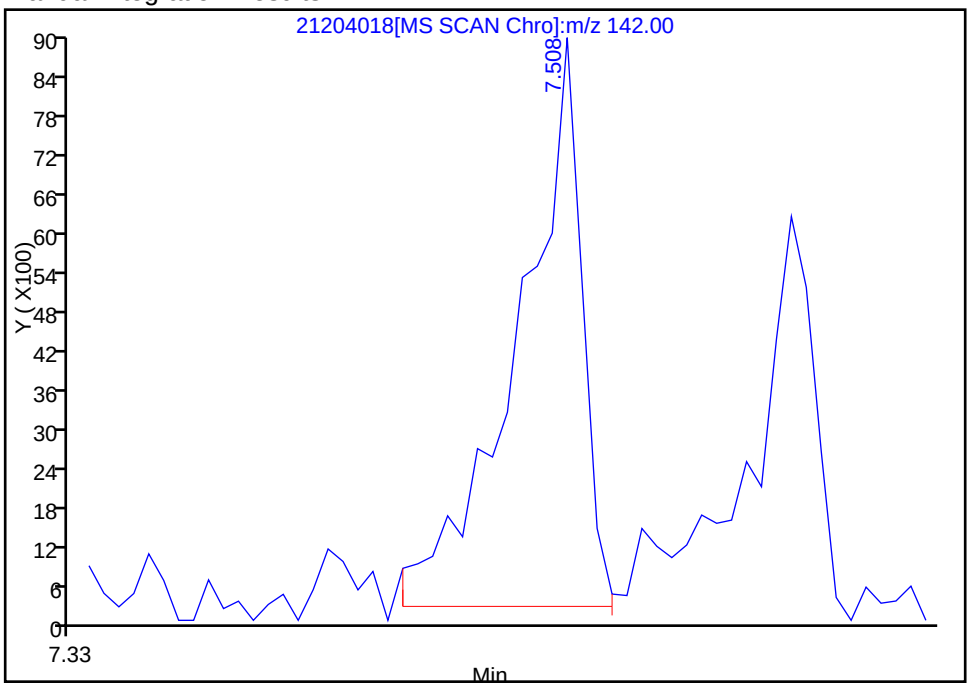
Processing Integration Results

RT: 7.51
Response: 8062
Amount: 0.079476



Manual Integration Results

RT: 7.51
Response: 13932
Amount: 0.137344



Reviewer: gruberj, 05-Dec-2012 13:40:34
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER | Lab Sample ID: 240-17796-20

Matrix: Water | Lab File ID: 21129008.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 13:00

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1030(mL) | Date Analyzed: 11/29/2012 11:46

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.: 66717 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.097	U	0.19	0.097	0.097
208-96-8	Acenaphthylene	0.097	U	0.19	0.097	0.097
120-12-7	Anthracene	0.097	U	0.19	0.097	0.097
56-55-3	Benzo[a]anthracene	0.097	U	0.19	0.097	0.097
50-32-8	Benzo[a]pyrene	0.097	U	0.19	0.097	0.097
205-99-2	Benzo[b]fluoranthene	0.097	U	0.19	0.097	0.097
191-24-2	Benzo[g,h,i]perylene	0.097	U	0.19	0.097	0.097
65-85-0	Benzoic acid	9.7	U	24	9.7	9.7
207-08-9	Benzo[k]fluoranthene	0.097	U	0.19	0.097	0.097
100-51-6	Benzyl alcohol	0.78	U	4.9	0.78	0.37
111-91-1	Bis(2-chloroethoxy)methane	0.78	U	0.97	0.78	0.31
111-44-4	Bis(2-chloroethyl)ether	0.097	U	0.97	0.097	0.097
108-60-1	bis (2-chloroisopropyl) ether	0.78	U	0.97	0.78	0.39
117-81-7	Bis(2-ethylhexyl) phthalate	0.78	U	1.9	0.78	0.78
101-55-3	4-Bromophenyl phenyl ether	0.78	U	1.9	0.78	0.78
85-68-7	Butyl benzyl phthalate	0.78	U	0.97	0.78	0.78
86-74-8	Carbazole	0.78	U	0.97	0.78	0.27
106-47-8	4-Chloroaniline	0.78	U	1.9	0.78	0.78
59-50-7	4-Chloro-3-methylphenol	0.78	U	1.9	0.78	0.78
91-58-7	2-Chloronaphthalene	0.097	U	0.97	0.097	0.097
95-57-8	2-Chlorophenol	0.78	U	0.97	0.78	0.28
7005-72-3	4-Chlorophenyl phenyl ether	0.78	U	1.9	0.78	0.29
218-01-9	Chrysene	0.097	U	0.19	0.097	0.097
53-70-3	Dibenz(a,h)anthracene	0.097	U	0.19	0.097	0.097
132-64-9	Dibenzofuran	0.097	U	0.97	0.097	0.097
95-50-1	1,2-Dichlorobenzene	0.78	U	0.97	0.78	0.28
541-73-1	1,3-Dichlorobenzene	0.78	U	0.97	0.78	0.78
106-46-7	1,4-Dichlorobenzene	0.78	U	0.97	0.78	0.33
91-94-1	3,3'-Dichlorobenzidine	0.78	U	4.9	0.78	0.36
120-83-2	2,4-Dichlorophenol	0.78	U	1.9	0.78	0.78
84-66-2	Diethyl phthalate	0.78	U	0.97	0.78	0.58
105-67-9	2,4-Dimethylphenol	0.78	U	1.9	0.78	0.78
131-11-3	Dimethyl phthalate	0.78	U	0.97	0.78	0.28
84-74-2	Di-n-butyl phthalate	0.78	U	0.97	0.78	0.65

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER | Lab Sample ID: 240-17796-20

Matrix: Water | Lab File ID: 21129008.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 13:00

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1030(mL) | Date Analyzed: 11/29/2012 11:46

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.: 66717 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.3	U	4.9	2.3	2.3
51-28-5	2,4-Dinitrophenol	2.3	U	4.9	2.3	2.3
121-14-2	2,4-Dinitrotoluene	0.78	U	4.9	0.78	0.26
606-20-2	2,6-Dinitrotoluene	0.78	U	4.9	0.78	0.78
117-84-0	Di-n-octyl phthalate	0.78	U	0.97	0.78	0.78
206-44-0	Fluoranthene	0.097	U	0.19	0.097	0.097
86-73-7	Fluorene	0.097	U	0.19	0.097	0.097
118-74-1	Hexachlorobenzene	0.097	U	0.19	0.097	0.097
87-68-3	Hexachlorobutadiene	0.78	U	0.97	0.78	0.26
77-47-4	Hexachlorocyclopentadiene	0.78	U	9.7	0.78	0.78
67-72-1	Hexachloroethane	0.78	U	0.97	0.78	0.78
193-39-5	Indeno[1,2,3-cd]pyrene	0.097	U	0.19	0.097	0.097
78-59-1	Isophorone	0.78	U	0.97	0.78	0.26
91-57-6	2-Methylnaphthalene	0.097	U	0.19	0.097	0.097
95-48-7	2-Methylphenol	0.78	U	0.97	0.78	0.78
15831-10-4	3 & 4 Methylphenol	0.78	U	1.9	0.78	0.78
91-20-3	Naphthalene	0.097	U	0.19	0.097	0.097
88-74-4	2-Nitroaniline	0.78	U	1.9	0.78	0.78
99-09-2	3-Nitroaniline	0.78	U	1.9	0.78	0.27
100-01-6	4-Nitroaniline	0.78	U	1.9	0.78	0.78
98-95-3	Nitrobenzene	0.097	U	0.97	0.097	0.039
88-75-5	2-Nitrophenol	0.78	U	1.9	0.78	0.27
100-02-7	4-Nitrophenol	2.3	U	4.9	2.3	2.3
621-64-7	N-Nitrosodi-n-propylamine	0.78	U	0.97	0.78	0.78
86-30-6	N-Nitrosodiphenylamine	0.78	U	0.97	0.78	0.30
87-86-5	Pentachlorophenol	2.3	U	4.9	2.3	2.3
85-01-8	Phenanthrene	0.097	U	0.19	0.097	0.097
108-95-2	Phenol	0.78	U	0.97	0.78	0.58
129-00-0	Pyrene	0.097	U	0.19	0.097	0.097
120-82-1	1,2,4-Trichlorobenzene	0.78	U	0.97	0.78	0.27
95-95-4	2,4,5-Trichlorophenol	0.78	U	4.9	0.78	0.29
88-06-2	2,4,6-Trichlorophenol	0.78	U	4.9	0.78	0.78

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER | Lab Sample ID: 240-17796-20

Matrix: Water | Lab File ID: 21129008.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 13:00

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1030(mL) | Date Analyzed: 11/29/2012 11:46

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.: 66717 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		50-110
367-12-4	2-Fluorophenol (Surr)	63		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	68		40-110
4165-62-2	Phenol-d5 (Surr)	65		10-115
1718-51-0	Terphenyl-d14 (Surr)	79		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	73		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129008.D		
Lims ID:	240-17796-J-20-A	Client ID:	076-0067-0001-ER
Inject. Date:	29-Nov-2012 11:46:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015374-008		
Misc. Info.:	240-17796-j-20-a		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	66717	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\8270_hp7.m		
Last Update:	30-Nov-2012 13:29:30	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:	XAWRK032		

First Level Reviewer: gruberj Date: 29-Nov-2012 15:05:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.806	5.806	0.0	97	144490	4.00	
* 2 Naphthalene-d8	136	6.930	6.929	0.001	99	556252	4.00	
* 3 Acenaphthene-d10	164	8.427	8.427	0.0	89	314416	4.00	
* 4 Phenanthrene-d10	188	9.684	9.684	0.0	97	567178	4.00	
* 5 Chrysene-d12	240	12.171	12.171	0.0	95	562399	4.00	
* 6 Perylene-d12	264	14.188	14.193	-0.005	95	508146	4.00	
$ 7 2-Fluorophenol	112	4.523	4.528	-0.005	92	421704	9.44	
$ 8 Phenol-d5	99	5.453	5.459	-0.006	97	555621	9.80	
$ 9 Nitrobenzene-d5	82	6.299	6.298	0.0	89	333685	6.82	
$ 10 2-Fluorobiphenyl (Surr)	172	7.844	7.844	0.0	99	622169	6.10	
$ 11 2,4,6-Tribromophenol	330	9.090	9.090	0.0	91	141993	10.9	
$ 12 Terphenyl-d14	244	11.021	11.021	0.0	98	821125	7.88	
41 Phenol	94		5.469					9
44 Bis(2-chloroethyl)ether	93		5.560					9
46 2-Chlorophenol	128		5.614					9
47 1,3-Dichlorobenzene	146		5.758					
48 1,4-Dichlorobenzene	146		5.822					
49 Benzyl alcohol	108		5.924					9
50 1,2-Dichlorobenzene	146		5.961					
51 2-Methylphenol	108		6.020					9
52 2,2'-oxybis[1-chloropropane]	45		6.047					9
191 3 & 4 Methylphenol	108		6.154					
56 N-Nitrosodi-n-propylamine	70		6.159					9
60 Hexachloroethane	117		6.266					
61 Nitrobenzene	77		6.320					
63 Isophorone	82		6.523					9
65 2-Nitrophenol	139		6.598					
64 2,4-Dimethylphenol	107		6.619					
69 Benzoic acid	122		6.689					9
68 Bis(2-chloroethoxy)methane	93		6.705					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.801					
72 1,2,4-Trichlorobenzene	180		6.881					
73 Naphthalene	128		6.951					9
74 4-Chloroaniline	127		6.988					
77 Hexachlorobutadiene	225		7.047					
84 4-Chloro-3-methylphenol	107		7.389					
85 2-Methylnaphthalene	142		7.539					
88 Hexachlorocyclopentadiene	237		7.668					
90 2,4,6-Trichlorophenol	196		7.775					
91 2,4,5-Trichlorophenol	196		7.807					
98 2-Chloronaphthalene	162		7.956					
100 2-Nitroaniline	65		8.031					
103 Dimethyl phthalate	163		8.170					9
105 2,6-Dinitrotoluene	165		8.229					9
107 Acenaphthylene	152		8.309					9
108 3-Nitroaniline	138		8.379					
110 Acenaphthene	153		8.454					
109 2,4-Dinitrophenol	184		8.465					
111 4-Nitrophenol	109		8.497					9
112 2,4-Dinitrotoluene	165		8.572					
114 Dibenzofuran	168		8.598					
119 Diethyl phthalate	149		8.764					9
121 4-Chlorophenyl phenyl ether	204		8.876					
124 Fluorene	166		8.887					
123 4-Nitroaniline	138		8.892					
126 4,6-Dinitro-2-methylphenol	198		8.914					
130 N-Nitrosodiphenylamine	169		8.973					
137 4-Bromophenyl phenyl ether	248		9.288					
139 Hexachlorobenzene	284		9.352					
141 Pentachlorophenol	266		9.513					
146 Phenanthrene	178		9.700					9
147 Anthracene	178		9.748					9
149 Carbazole	167		9.871					
151 Di-n-butyl phthalate	149		10.128					
157 Fluoranthene	202		10.706					9
160 Pyrene	202		10.909					
166 Butyl benzyl phthalate	149		11.481					9
173 3,3'-Dichlorobenzidine	252		12.112					
171 Bis(2-ethylhexyl) phthalate	149	12.134	12.128	0.006	91	15789	0.3447	
175 Benzo[a]anthracene	228		12.160					9
176 Chrysene	228		12.209					9
178 Di-n-octyl phthalate	149		13.011					9
180 Benzo[b]fluoranthene	252		13.621					9
181 Benzo[k]fluoranthene	252		13.663					9
182 Benzo[a]pyrene	252		14.113					9
186 Indeno[1,2,3-cd]pyrene	276		15.808					
187 Dibenz(a,h)anthracene	278		15.835					
188 Benzo[g,h,i]perylene	276		16.225					

QC Flag Legend

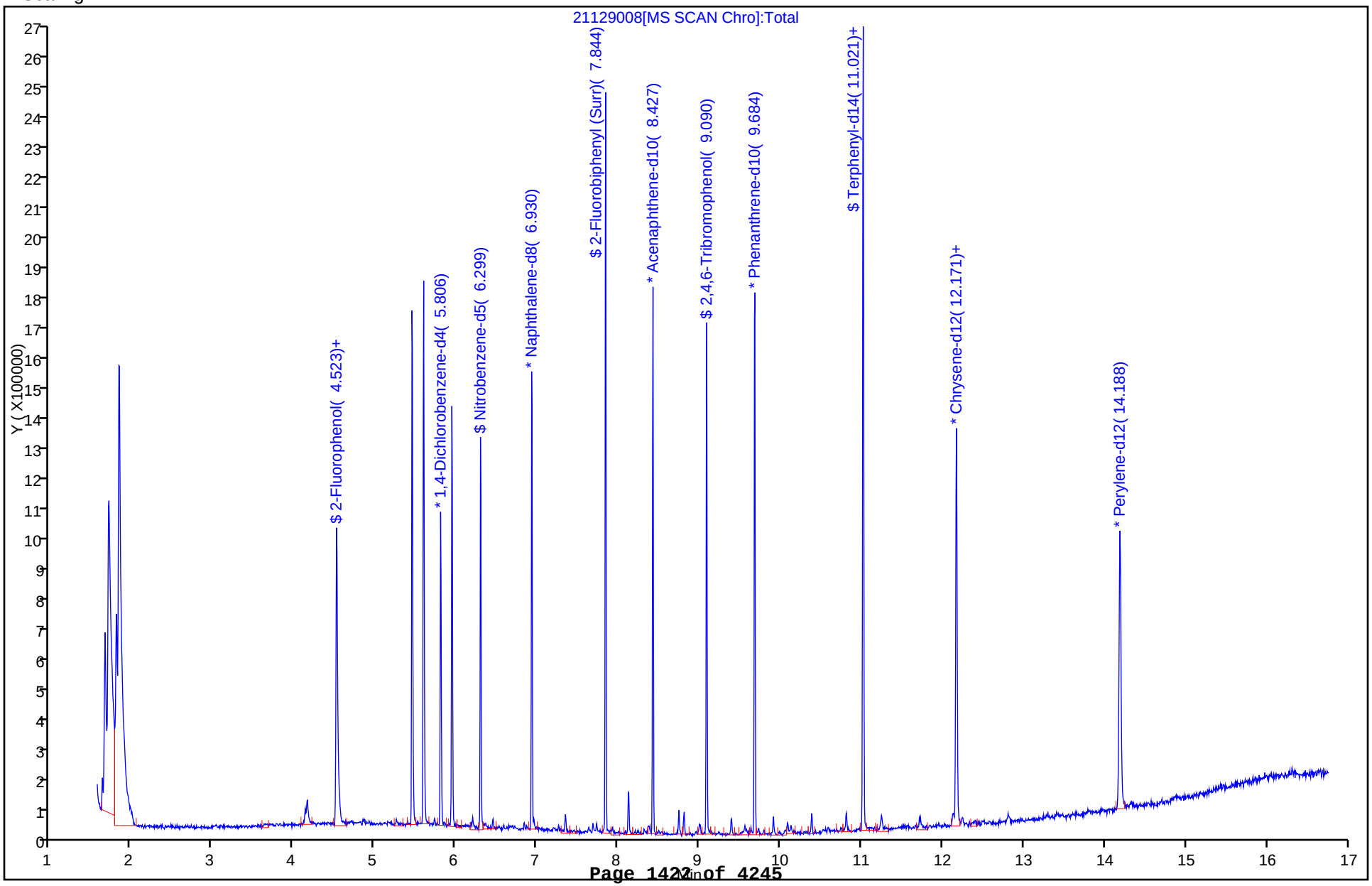
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 30-Nov-2012 13:29:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129008.D		
Injection Date:	29-Nov-2012 11:46:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076-0067-0001-ER	Instrument ID:	A4HP7
Lims Batch ID:	66717	Lims Sample ID:	8
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0060M-0001-SO | Lab Sample ID: 240-17796-22

Matrix: Solid | Lab File ID: 21204014.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:35

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.54(g) | Date Analyzed: 12/04/2012 14:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	17	U	34	17	17
208-96-8	Acenaphthylene	18	J D	34	17	17
120-12-7	Anthracene	17	J D	34	17	17
56-55-3	Benzo[a]anthracene	92	D	34	17	17
50-32-8	Benzo[a]pyrene	120	D	34	17	17
205-99-2	Benzo[b]fluoranthene	87	D	34	17	17
191-24-2	Benzo[g,h,i]perylene	58	D	34	17	17
65-85-0	Benzoic acid	1700	U	3400	1700	1700
207-08-9	Benzo[k]fluoranthene	55	D M	34	17	17
100-51-6	Benzyl alcohol	140	U	1700	140	110
111-91-1	Bis(2-chloroethoxy)methane	140	U	510	140	110
111-44-4	Bis(2-chloroethyl)ether	17	U	510	17	10
108-60-1	bis (2-chloroisopropyl) ether	140	U	510	140	48
117-81-7	Bis(2-ethylhexyl) phthalate	140	U	250	140	96
101-55-3	4-Bromophenyl phenyl ether	140	U	250	140	66
85-68-7	Butyl benzyl phthalate	140	U	250	140	51
86-74-8	Carbazole	140	U	250	140	140
106-47-8	4-Chloroaniline	140	U	760	140	86
59-50-7	4-Chloro-3-methylphenol	140	U	760	140	110
91-58-7	2-Chloronaphthalene	17	U	250	17	17
95-57-8	2-Chlorophenol	140	U	250	140	140
7005-72-3	4-Chlorophenyl phenyl ether	140	U	250	140	66
218-01-9	Chrysene	110	D	34	17	5.6
53-70-3	Dibenz(a,h)anthracene	17	U	34	17	17
132-64-9	Dibenzofuran	17	U	250	17	17
95-50-1	1,2-Dichlorobenzene	140	U	250	140	49
541-73-1	1,3-Dichlorobenzene	140	U	250	140	56
106-46-7	1,4-Dichlorobenzene	140	U	250	140	100
91-94-1	3,3'-Dichlorobenzidine	410	U	510	410	91
120-83-2	2,4-Dichlorophenol	140	U	760	140	100
84-66-2	Diethyl phthalate	140	U	250	140	81
105-67-9	2,4-Dimethylphenol	410	U	760	410	100
131-11-3	Dimethyl phthalate	140	U	250	140	86
84-74-2	Di-n-butyl phthalate	140	U	250	140	76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0060M-0001-SO | Lab Sample ID: 240-17796-22

Matrix: Solid | Lab File ID: 21204014.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:35

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.54(g) | Date Analyzed: 12/04/2012 14:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	410	U	760	410	410
51-28-5	2,4-Dinitrophenol	410	U	1700	410	410
121-14-2	2,4-Dinitrotoluene	140	U	1000	140	140
606-20-2	2,6-Dinitrotoluene	140	U	1000	140	110
117-84-0	Di-n-octyl phthalate	140	U	250	140	140
206-44-0	Fluoranthene	190	D	34	17	17
86-73-7	Fluorene	17	U	34	17	17
118-74-1	Hexachlorobenzene	17	U	34	17	11
87-68-3	Hexachlorobutadiene	140	U	250	140	140
77-47-4	Hexachlorocyclopentadiene	140	U	1700	140	140
67-72-1	Hexachloroethane	140	U	250	140	46
193-39-5	Indeno[1,2,3-cd]pyrene	66	D	34	17	17
78-59-1	Isophorone	140	U	250	140	66
91-57-6	2-Methylnaphthalene	17	U	34	17	17
95-48-7	2-Methylphenol	410	U	1000	410	410
15831-10-4	3 & 4 Methylphenol	410	U	2000	410	100
91-20-3	Naphthalene	24	J D	34	17	17
88-74-4	2-Nitroaniline	140	U	1000	140	46
99-09-2	3-Nitroaniline	410	U	1000	410	81
100-01-6	4-Nitroaniline	140	U	1000	140	130
98-95-3	Nitrobenzene	17	U	510	17	11
88-75-5	2-Nitrophenol	140	U	250	140	140
100-02-7	4-Nitrophenol	410	U	1700	410	410
621-64-7	N-Nitrosodi-n-propylamine	140	U	250	140	140
86-30-6	N-Nitrosodiphenylamine	140	U	250	140	110
87-86-5	Pentachlorophenol	410	U	760	410	410
85-01-8	Phenanthrene	100	D	34	17	17
108-95-2	Phenol	140	U	250	140	140
129-00-0	Pyrene	140	D	34	17	17
120-82-1	1,2,4-Trichlorobenzene	140	U	250	140	140
95-95-4	2,4,5-Trichlorophenol	140	U	760	140	130
88-06-2	2,4,6-Trichlorophenol	410	U	760	410	410

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0060M-0001-SO | Lab Sample ID: 240-17796-22

Matrix: Solid | Lab File ID: 21204014.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:35

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.54(g) | Date Analyzed: 12/04/2012 14:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	71		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	70		35-100
4165-62-2	Phenol-d5 (Surr)	70		40-100
1718-51-0	Terphenyl-d14 (Surr)	75		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	75		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D		
Lims ID:	240-17796-E-22-B	Client ID:	076SB-0060M-0001-SO
Inject. Date:	04-Dec-2012 14:05:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	240-0015502-014		
Misc. Info.:	240-17796-e-22-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	67225	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		

First Level Reviewer: gruberj Date: 04-Dec-2012 14:55:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.775	5.769	0.006	96	191977	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	99	700961	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	93	414012	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	760801	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	787631	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	97	699692	4.00	
$ 7 2-Fluorophenol	112	4.534	4.486	0.048	90	125542	2.12	
$ 8 Phenol-d5	99	5.427	5.422	0.005	95	158727	2.11	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	86	86394	1.40	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	180603	1.34	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	89	38353	2.24	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	96	219462	1.50	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					9
68 Bis(2-chloroethoxy)methane	93		6.668					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.914	6.914	0.0	72	12551	0.0717	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142		7.508					9
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					9
91 2,4,5-Trichlorophenol	196		7.770					9
98 2-Chloronaphthalene	162		7.919					9
100 2-Nitroaniline	65		8.000					9
103 Dimethyl phthalate	163		8.139					
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152	8.273	8.272	0.001	76	10109	0.0535	
108 3-Nitroaniline	138		8.342					
110 Acenaphthene	153		8.417					
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168		8.561					
119 Diethyl phthalate	149		8.727					
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166		8.850					
123 4-Nitroaniline	138		8.855					9
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178	9.663	9.663	0.0	95	61786	0.2973	
147 Anthracene	178	9.711	9.711	0.0	66	10430	0.0505	
149 Carbazole	167		9.834					
151 Di-n-butyl phthalate	149		10.096					
157 Fluoranthene	202	10.669	10.669	0.0	93	128210	0.5585	
160 Pyrene	202	10.867	10.866	0.001	97	101986	0.4058	
166 Butyl benzyl phthalate	149		11.439					
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149		12.081					
175 Benzo[a]anthracene	228	12.102	12.107	-0.005	85	59839	0.2722	
176 Chrysene	228	12.150	12.150	0.0	63	65555	0.3129	
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.557	13.551	0.006	82	57124	0.2559	
181 Benzo[k]fluoranthene	252	13.584	13.594	-0.010	85	39154	0.1614	M
182 Benzo[a]pyrene	252	14.033	14.038	-0.005	66	52587	0.3460	
186 Indeno[1,2,3-cd]pyrene	276	15.729	15.723	0.006	82	27968	0.1937	
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276	16.124	16.135	-0.011	78	34071	0.1701	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

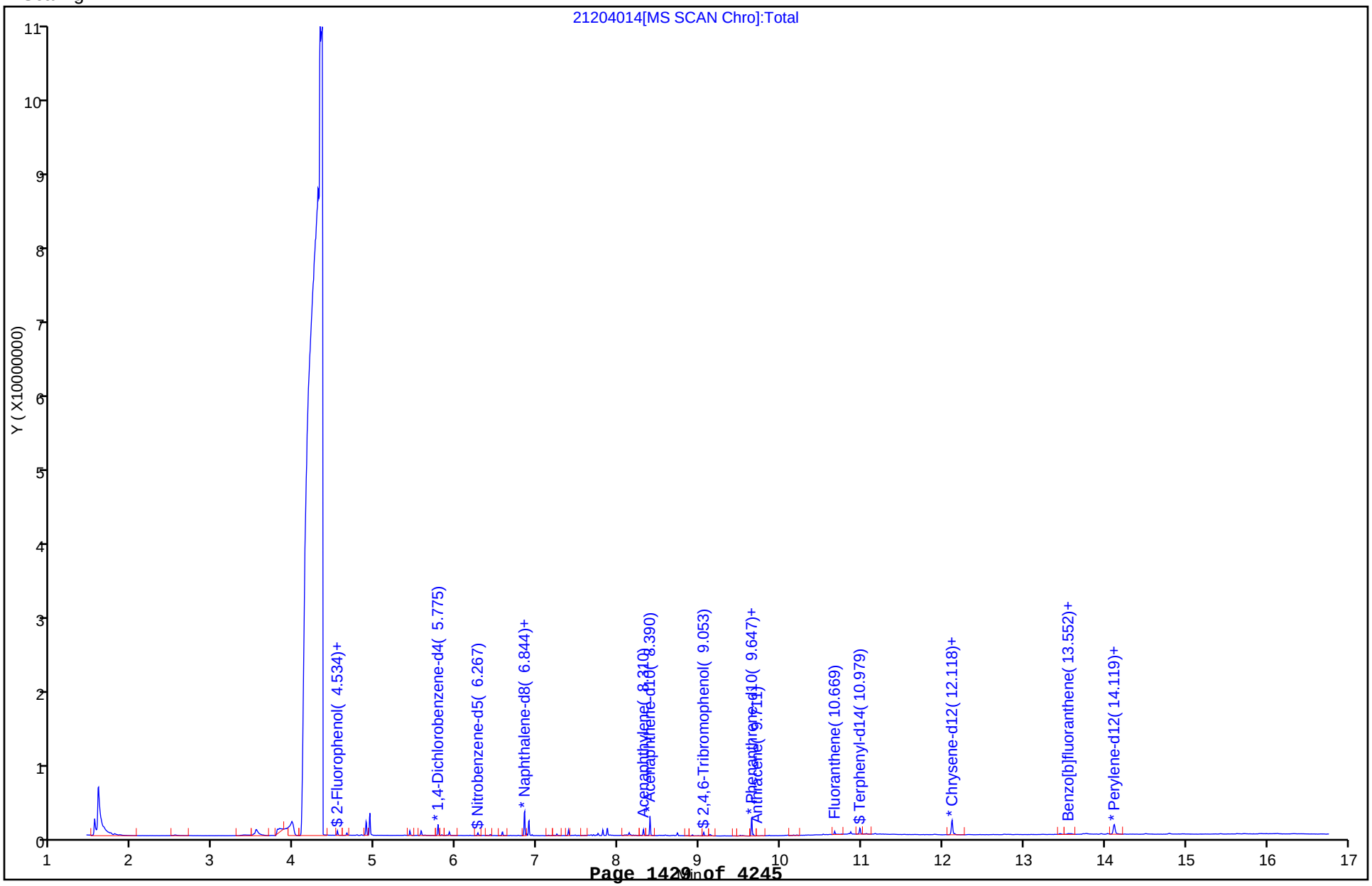
Review Flags
M - Manually Integrated

Report Date: 05-Dec-2012 13:46:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D		
Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

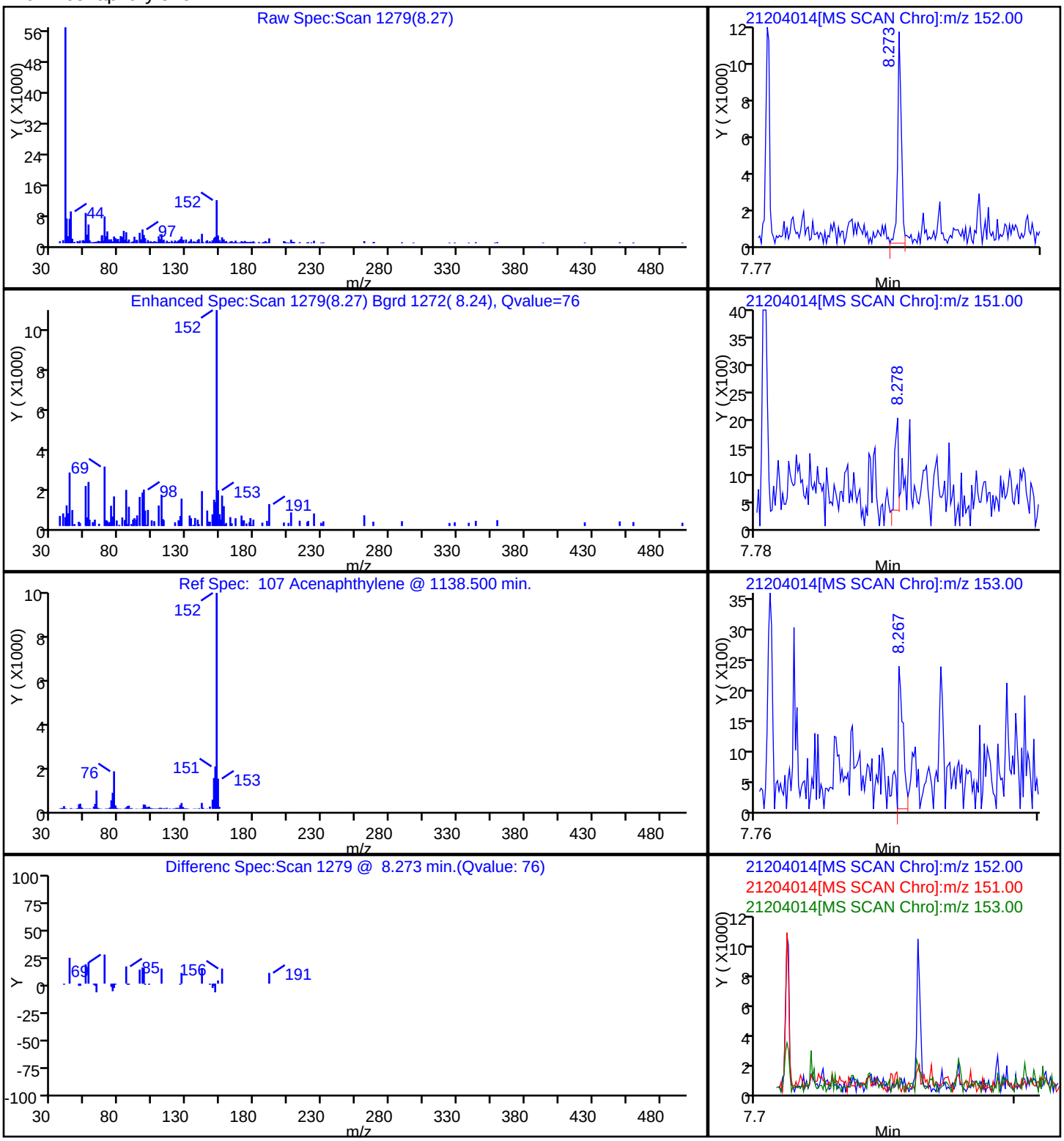


Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D		
Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

107 Acenaphthylene

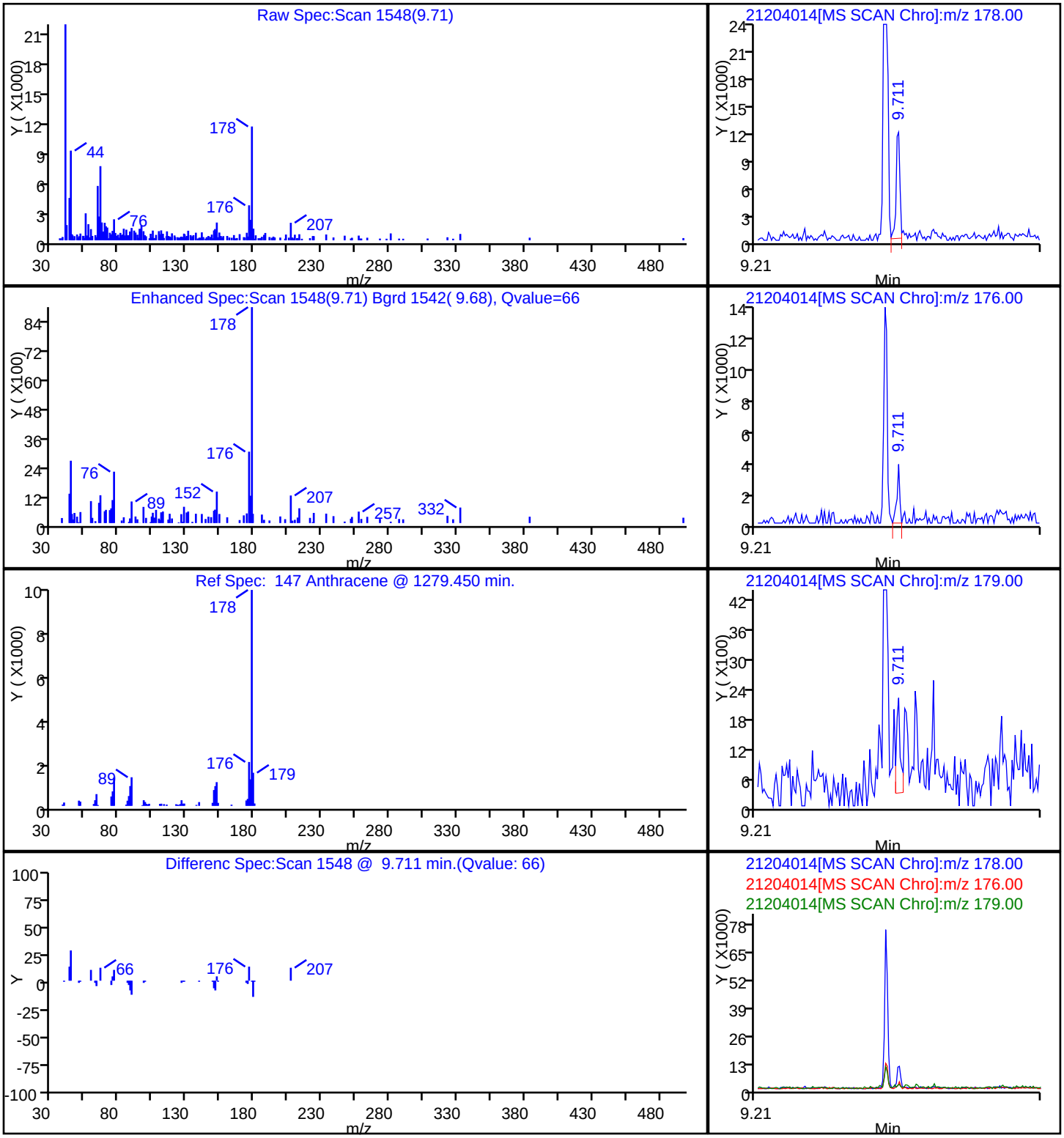


Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D		
Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

147 Anthracene

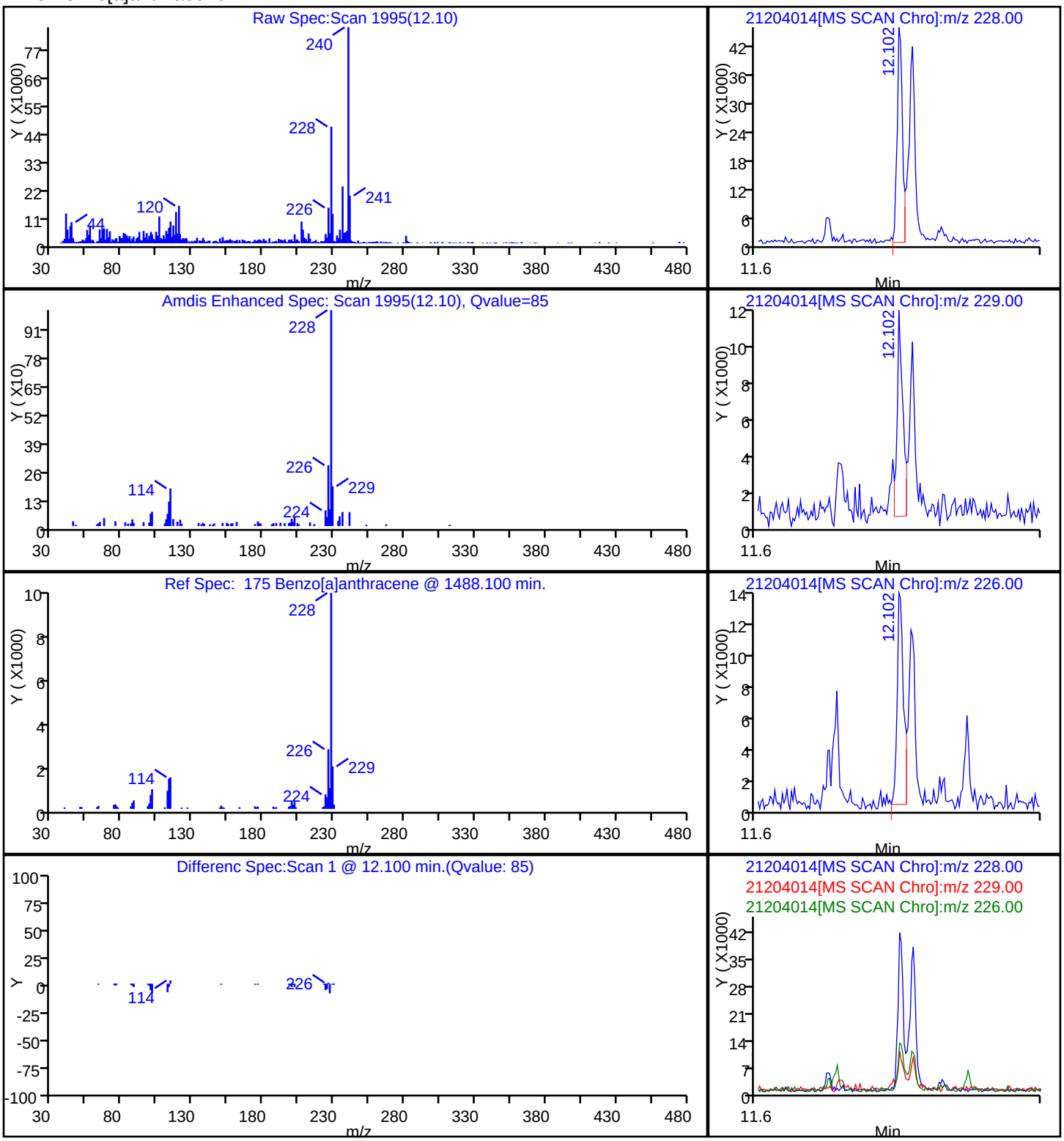


Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D		
Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene



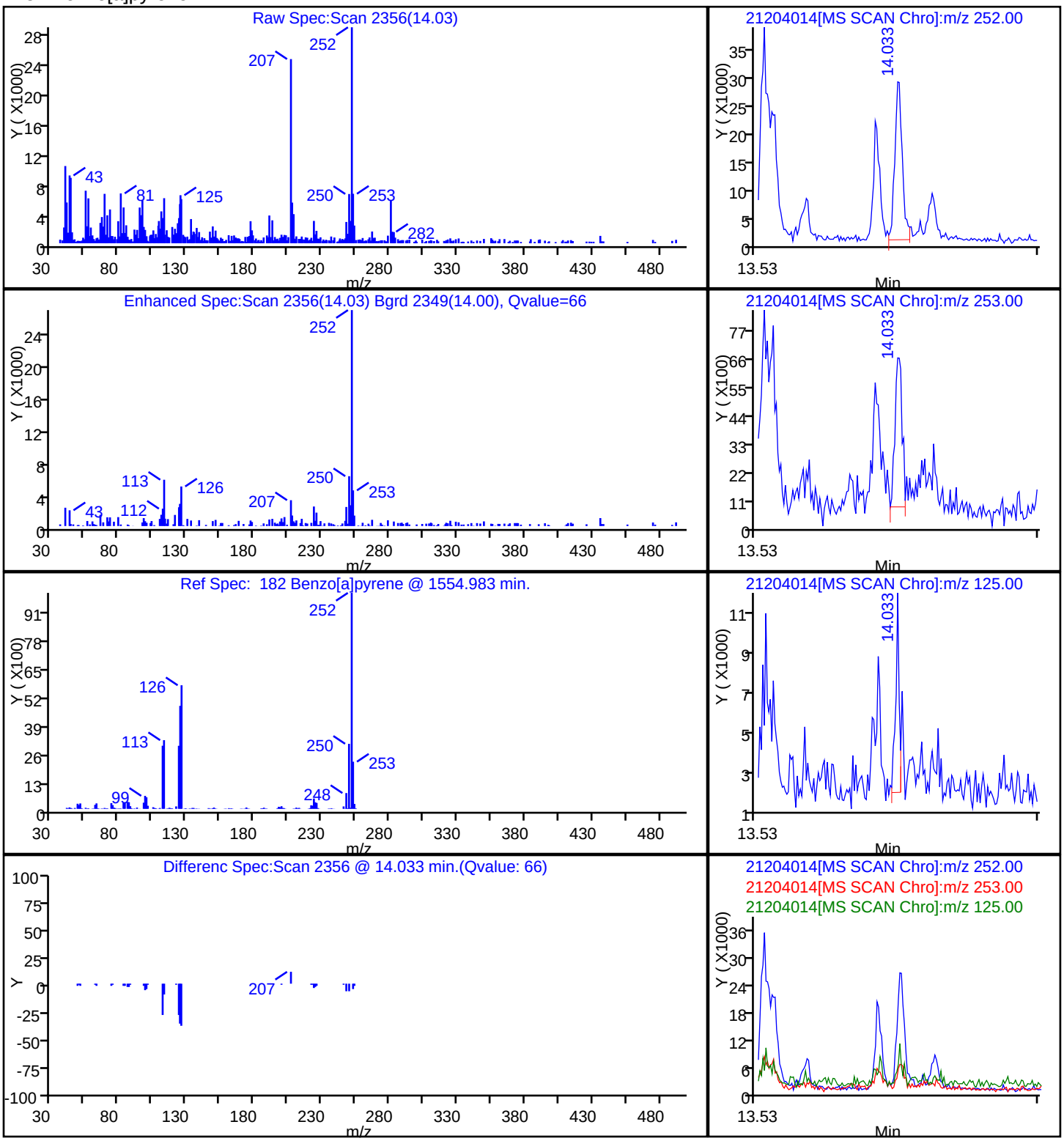
Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	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



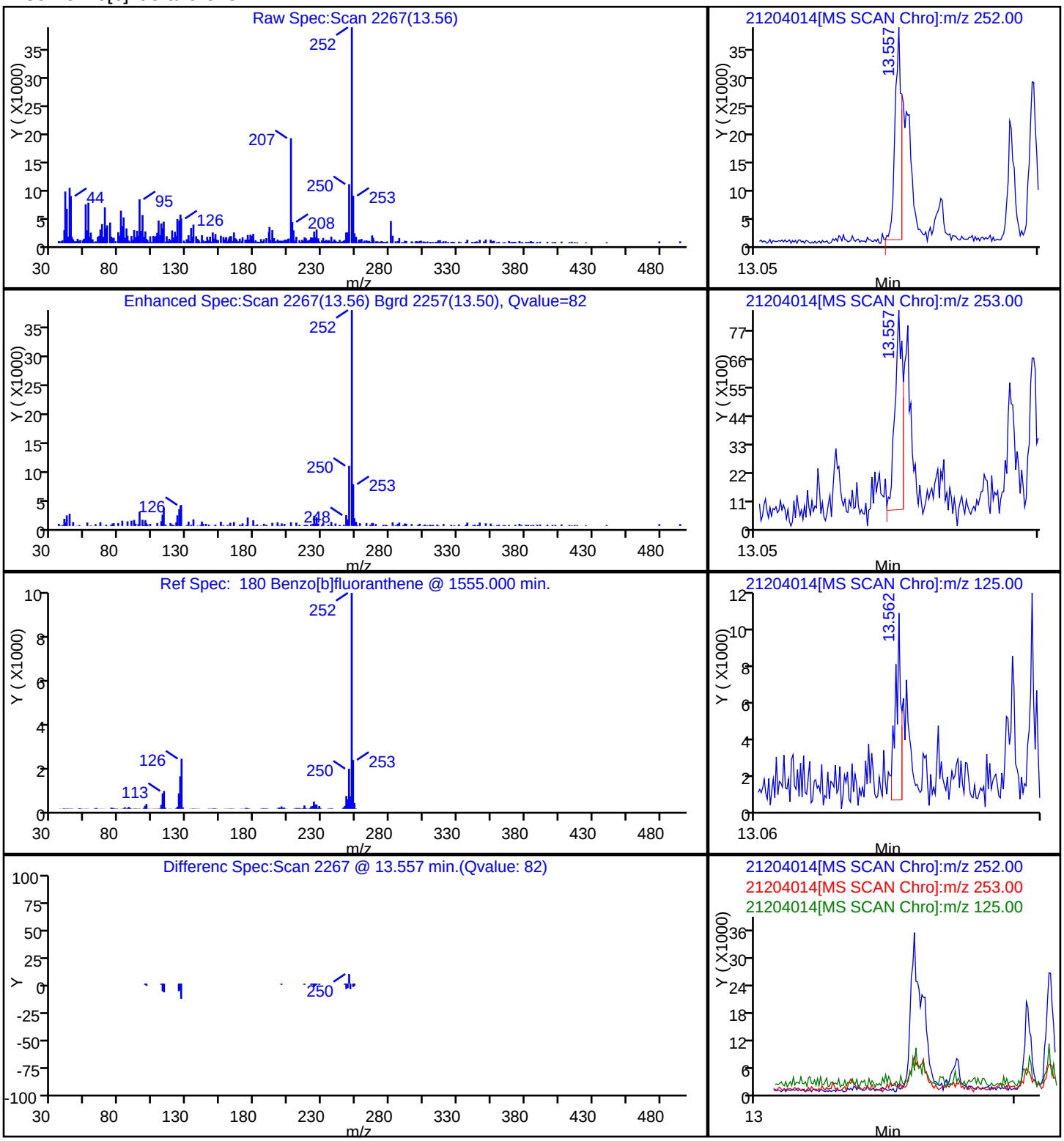
Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



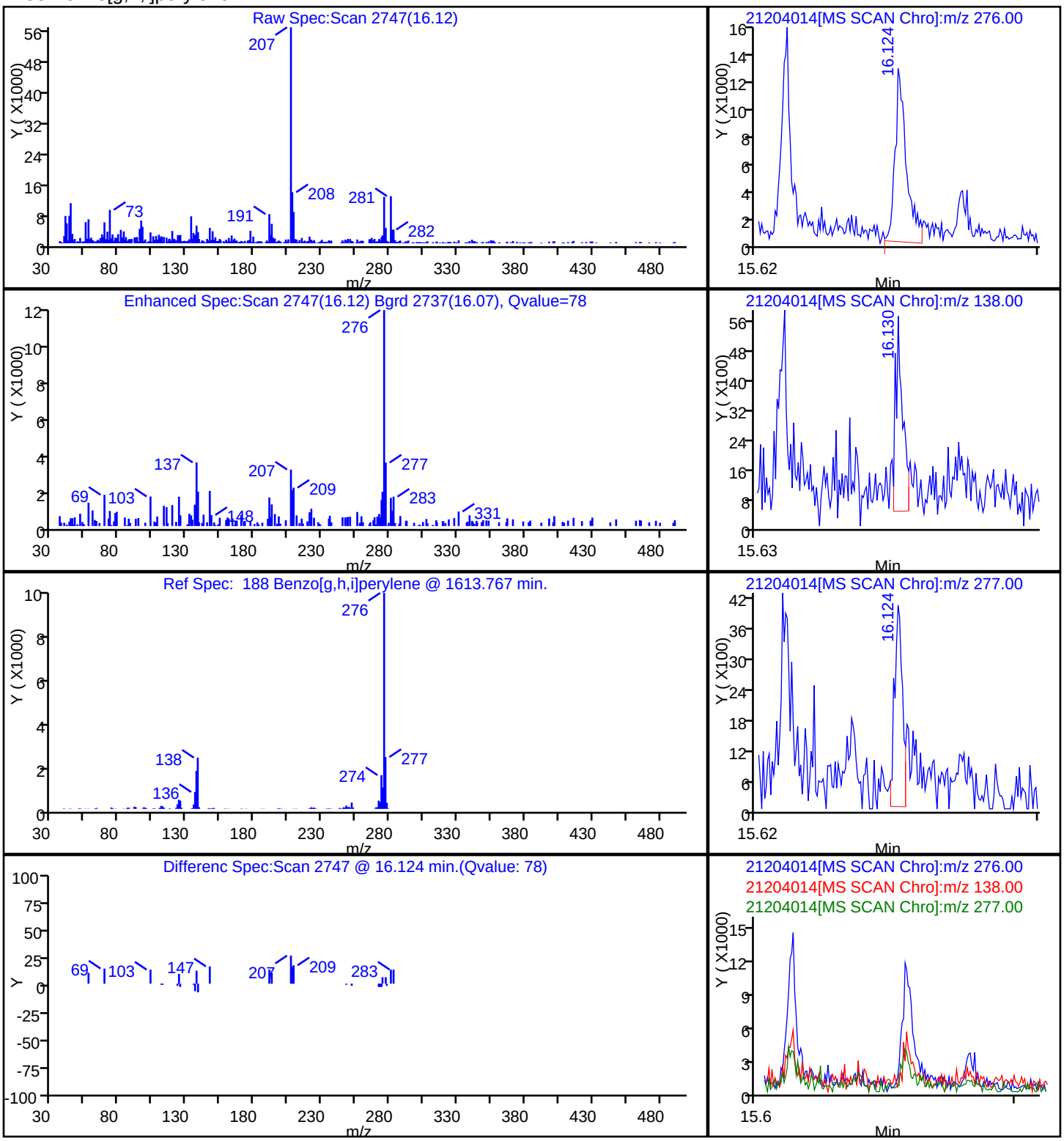
Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene



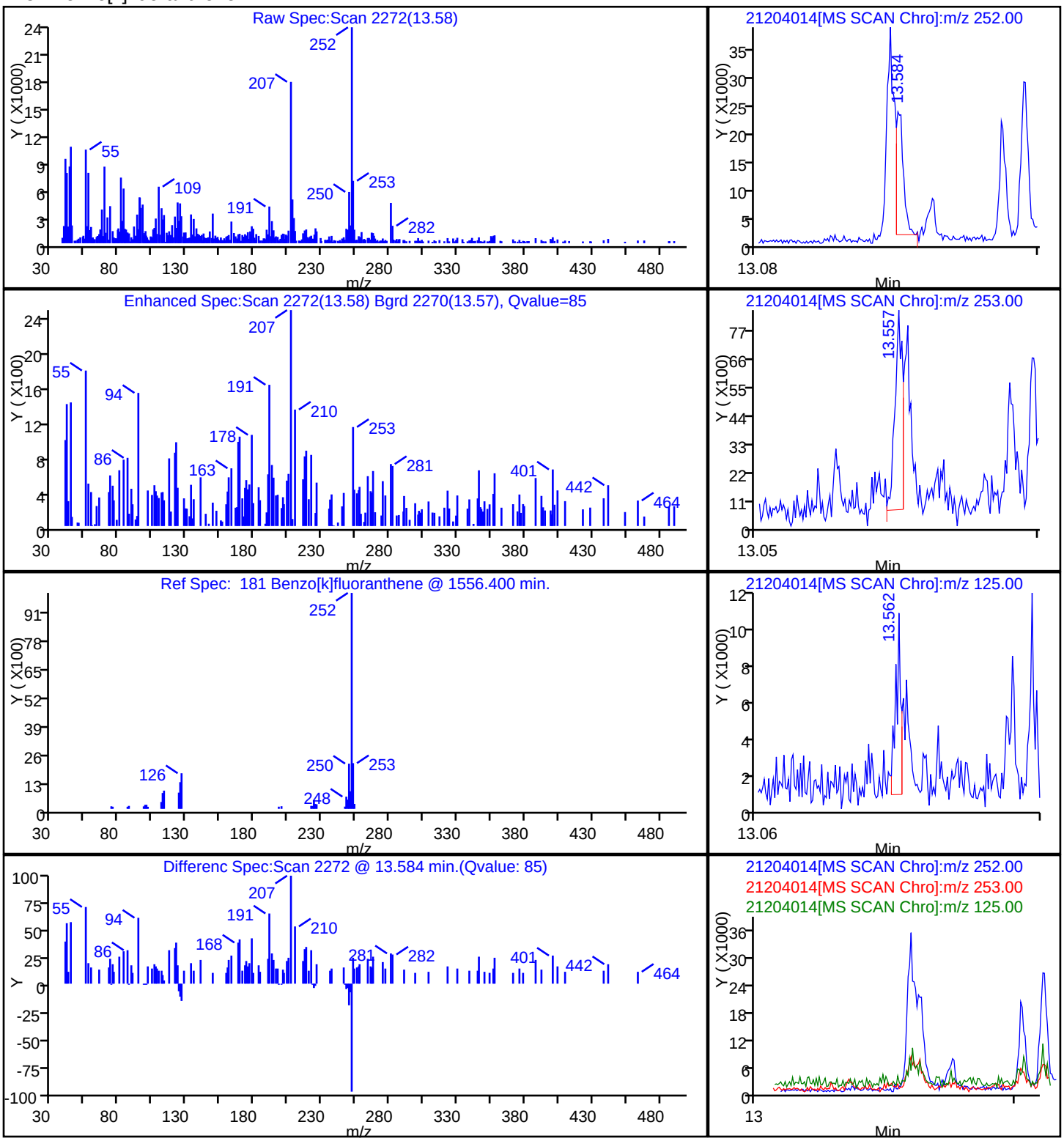
Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene



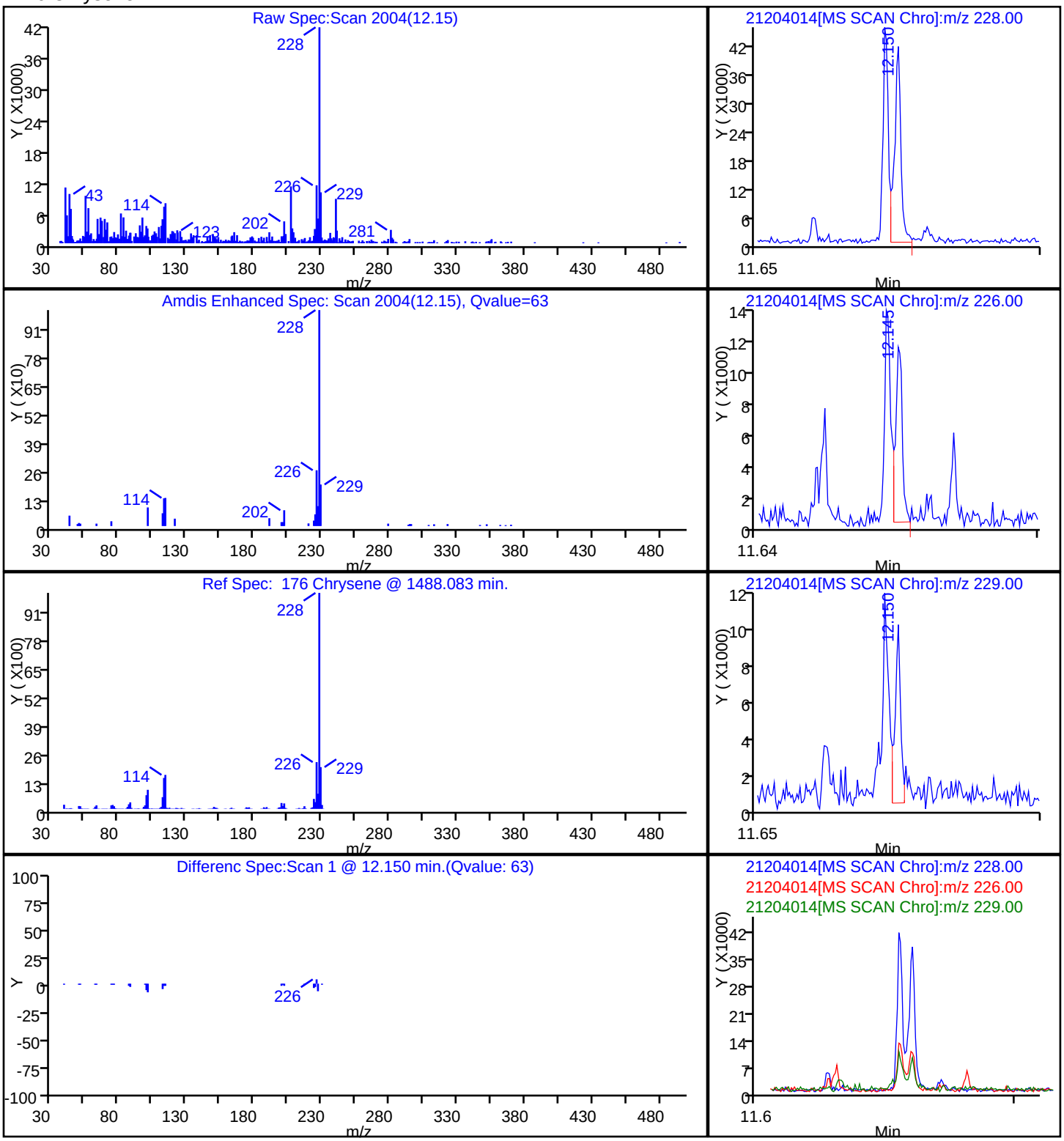
Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene



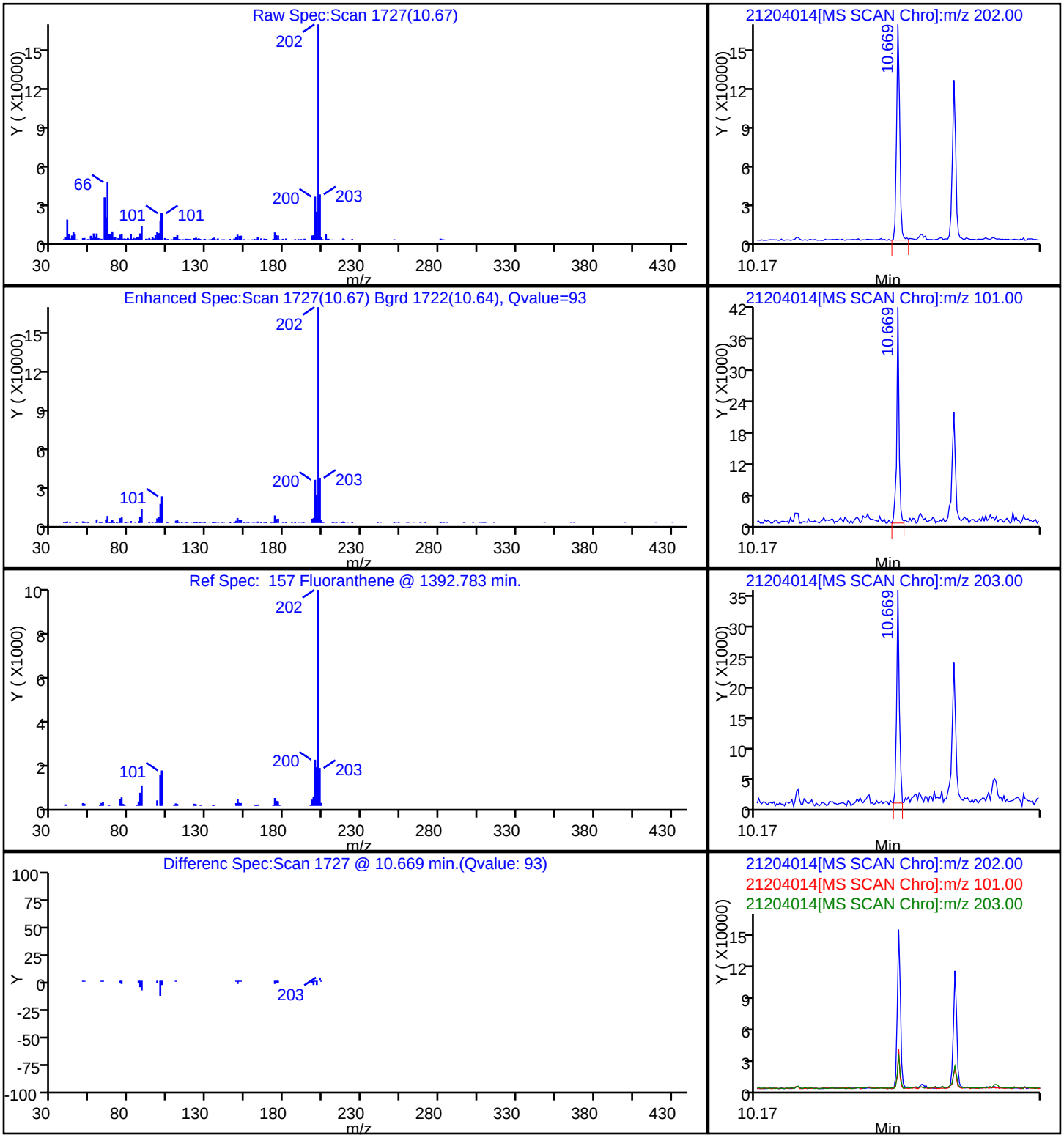
Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

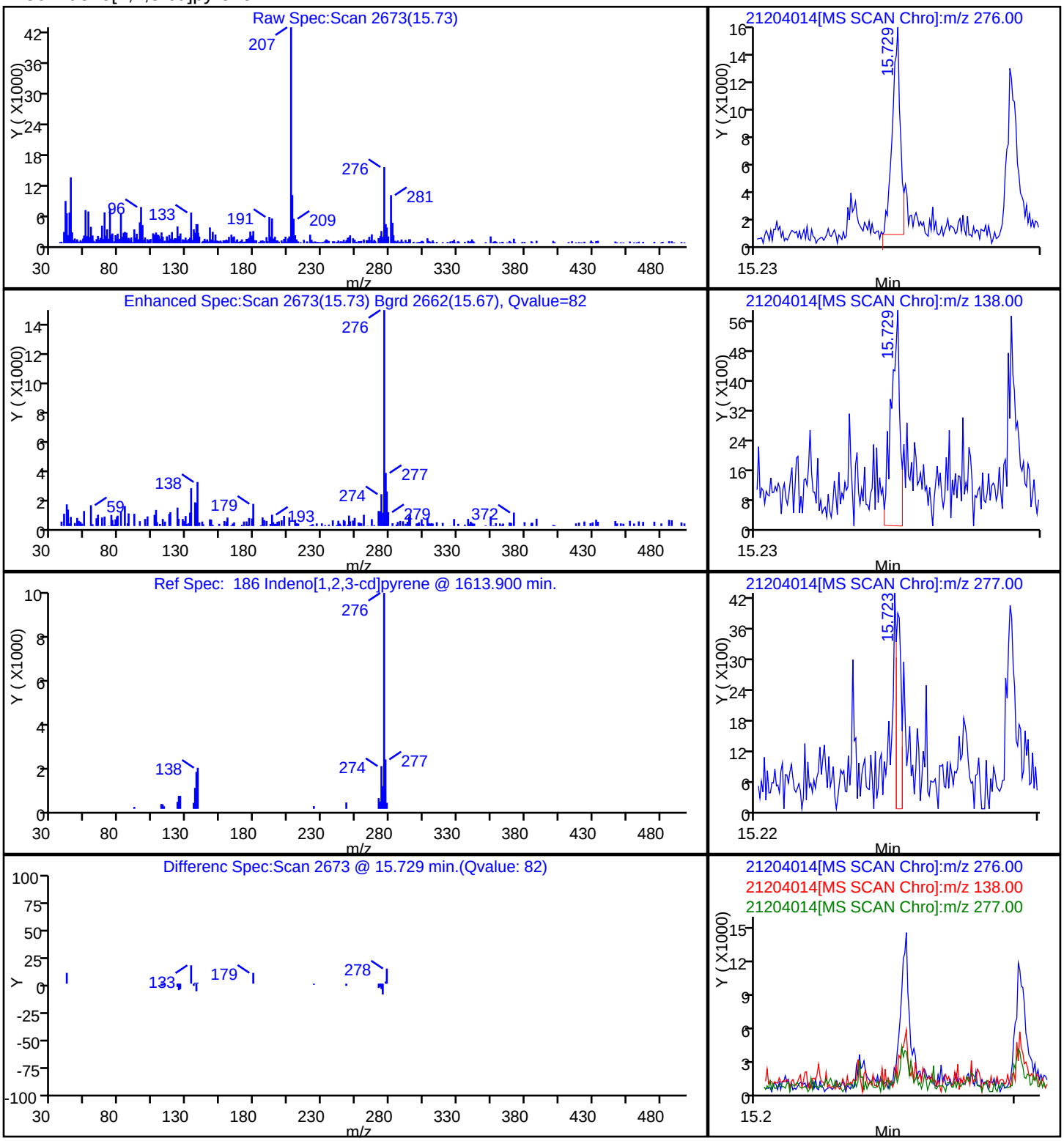


Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D		
Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene



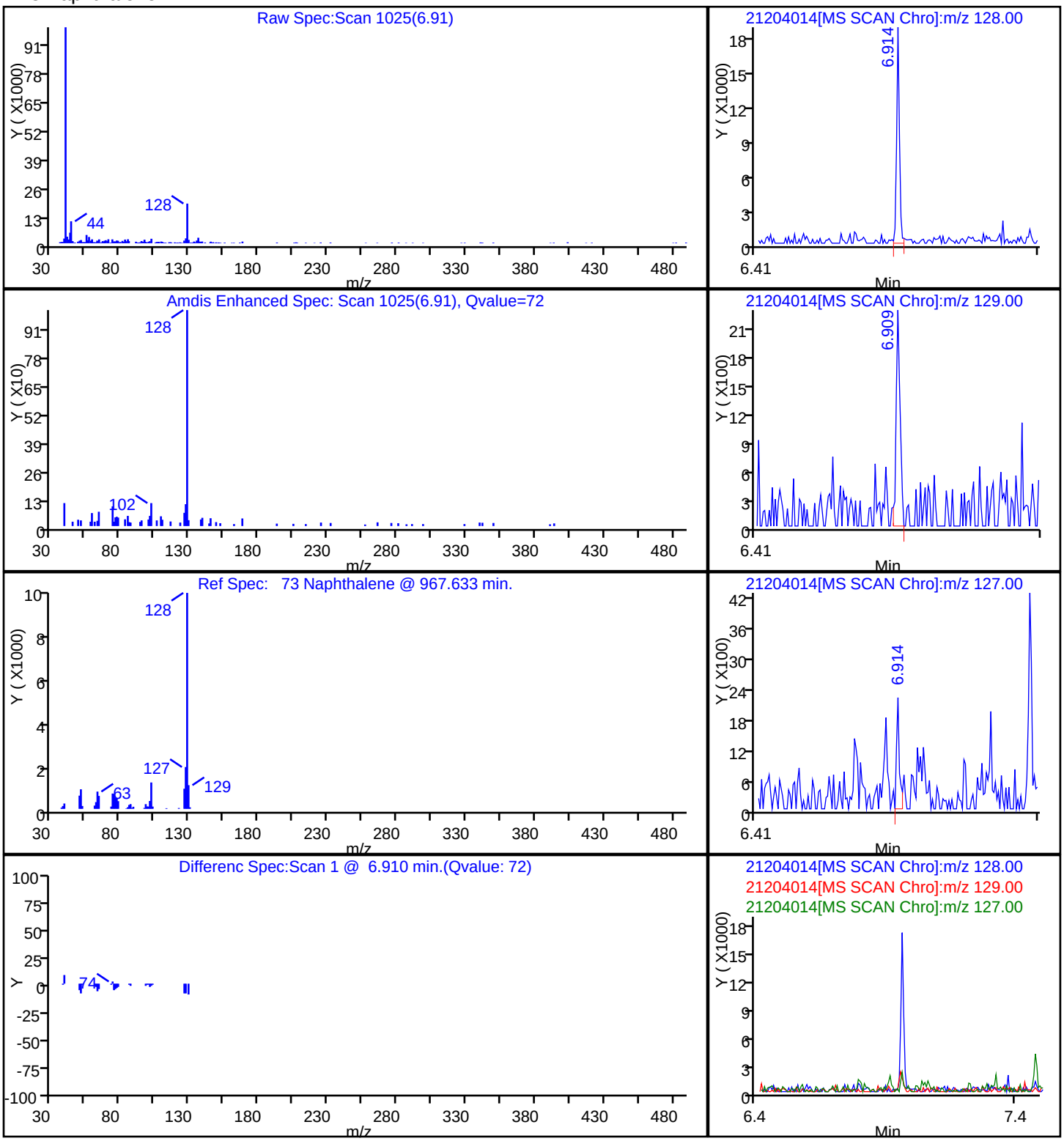
Report Date: 05-Dec-2012 13:46:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



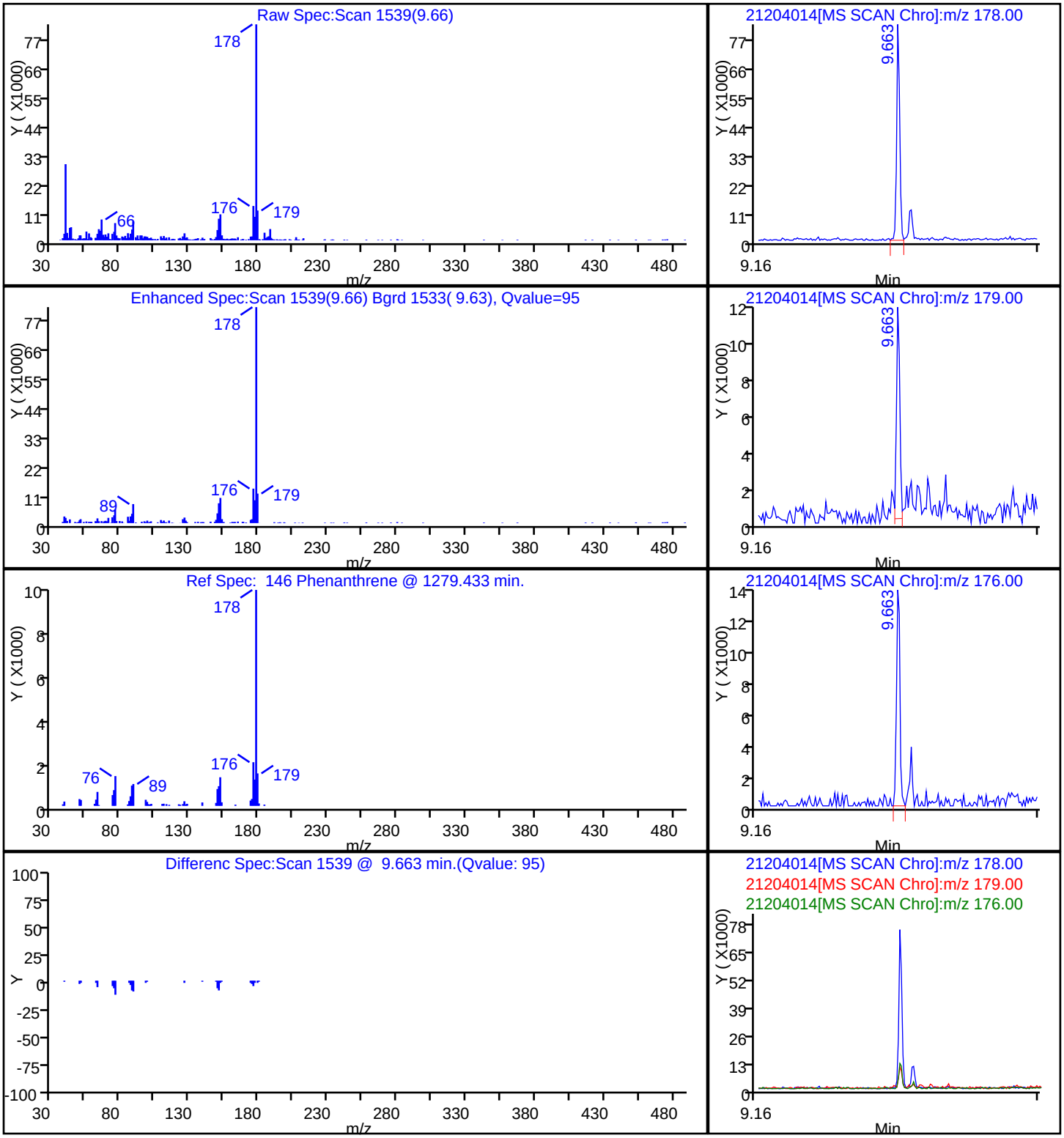
Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



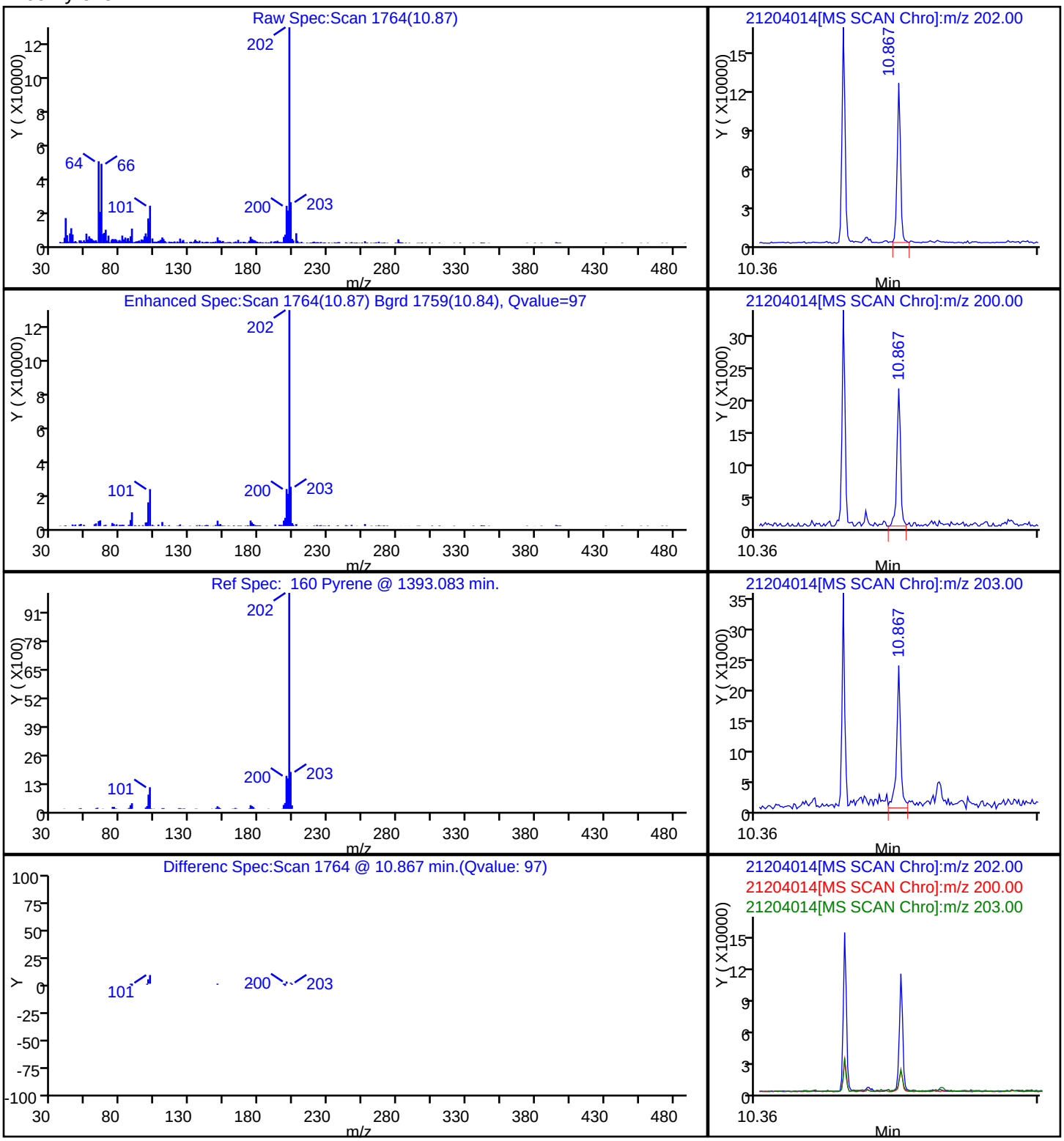
Report Date: 05-Dec-2012 13:46:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D

Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	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

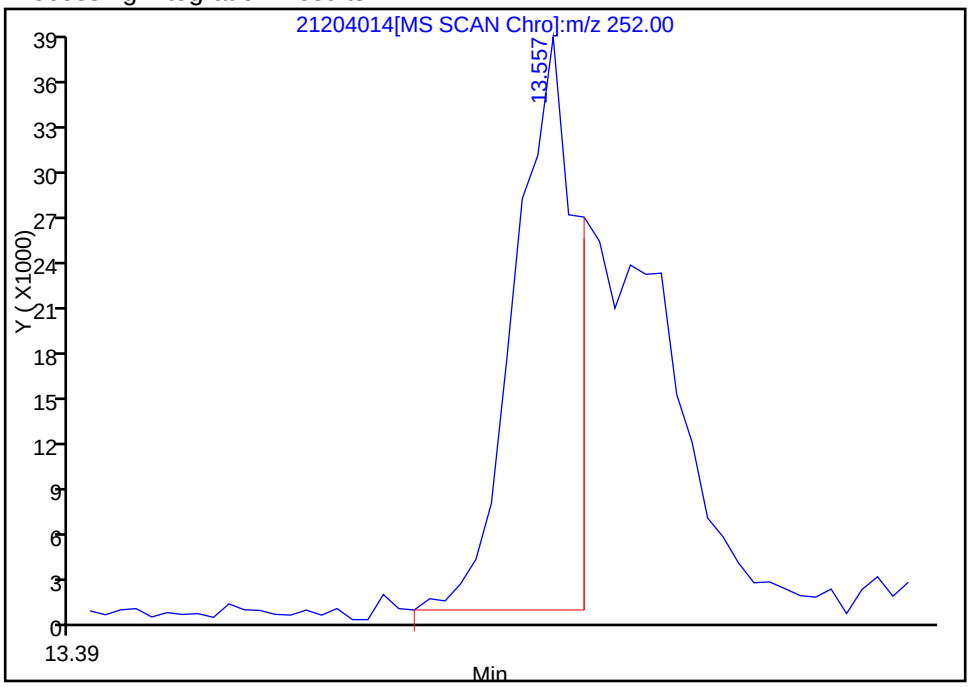
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204014.D		
Injection Date:	04-Dec-2012 14:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0060M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.59

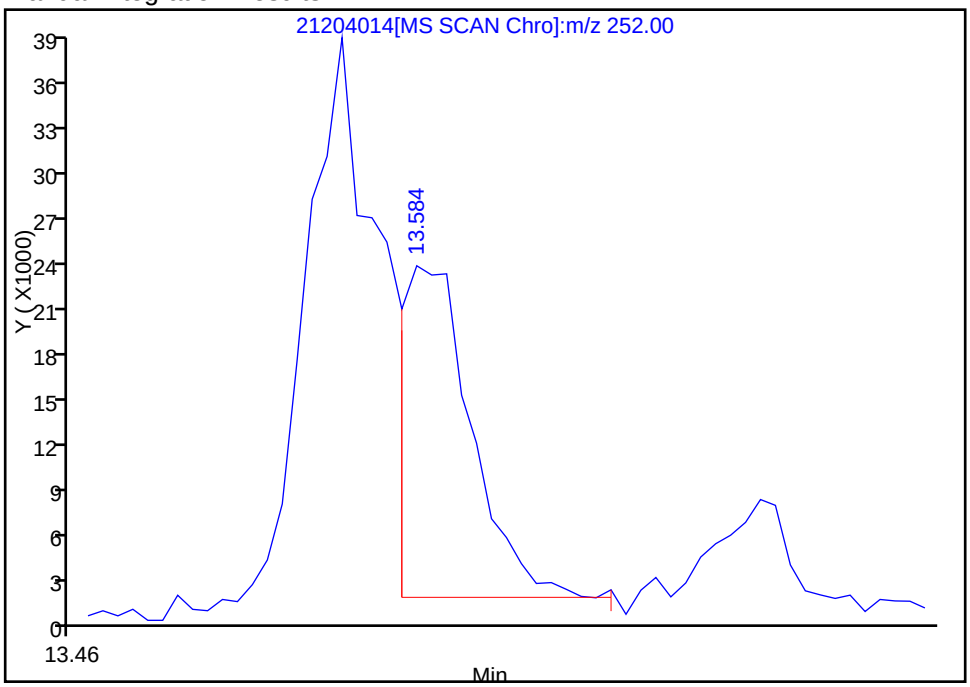
Processing Integration Results

RT: 13.56
Response: 57124
Amount: 0.235524



Manual Integration Results

RT: 13.58
Response: 39154
Amount: 0.161433



Reviewer: gruberj, 04-Dec-2012 14:55:40
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0061M-0001-SO | Lab Sample ID: 240-17796-23

Matrix: Solid | Lab File ID: 21205023.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:35

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.98(g) | Date Analyzed: 12/05/2012 17:41

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.: 67390 | 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	54	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	8.3	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0061M-0001-SO | Lab Sample ID: 240-17796-23

Matrix: Solid | Lab File ID: 21205023.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:35

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.98(g) | Date Analyzed: 12/05/2012 17:41

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.: 67390 | 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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0061M-0001-SO | Lab Sample ID: 240-17796-23

Matrix: Solid | Lab File ID: 21205023.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:35

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.98(g) | Date Analyzed: 12/05/2012 17:41

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.: 67390 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	61		45-105
367-12-4	2-Fluorophenol (Surr)	64		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	63		35-100
4165-62-2	Phenol-d5 (Surr)	68		40-100
1718-51-0	Terphenyl-d14 (Surr)	69		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	57		35-125

Report Date: 06-Dec-2012 08:49:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205023.D		
Lims ID:	240-17796-E-23-B	Client ID:	076SB-0061M-0001-SO
Inject. Date:	05-Dec-2012 17:41:30	Dil. Factor:	2.5000
Sample Type:	Client		
Sample ID:	240-0015541-023		
Misc. Info.:	240-17796-e-23-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	67390	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 08:49:41	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:	XAWRK028		

First Level Reviewer: gruberj Date: 06-Dec-2012 08:47:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.751	5.730	0.021	95	185907	4.00	
* 2 Naphthalene-d8	136	6.864	6.859	0.005	99	710740	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	91	413863	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	97	707845	4.00	
* 5 Chrysene-d12	240	12.052	12.057	-0.005	97	714971	4.00	
* 6 Perylene-d12	264	14.031	14.036	-0.005	91	615975	4.00	
$ 7 2-Fluorophenol	112	4.671	4.430	0.241	92	222285	3.87	
$ 8 Phenol-d5	99	5.425	5.382	0.043	95	296325	4.06	
$ 9 Nitrobenzene-d5	82	6.243	6.227	0.016	88	157586	2.52	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	100	326363	2.43	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	89	58470	3.42	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	98	363364	2.74	
41 Phenol	94		5.393					9
44 Bis(2-chloroethyl)ether	93		5.484					9
46 2-Chlorophenol	128		5.532					9
47 1,3-Dichlorobenzene	146		5.677					9
48 1,4-Dichlorobenzene	146		5.746					9
49 Benzyl alcohol	108		5.853					9
50 1,2-Dichlorobenzene	146		5.885					
51 2-Methylphenol	108		5.944					9
52 2,2'-oxybis[1-chloropropane]	45		5.976					9
191 3 & 4 Methylphenol	108		6.078					
56 N-Nitrosodi-n-propylamine	70		6.088					9
60 Hexachloroethane	117		6.190					
61 Nitrobenzene	77		6.243					
63 Isophorone	82		6.452					
65 2-Nitrophenol	139		6.522					9
64 2,4-Dimethylphenol	107		6.548					9
69 Benzoic acid	122		6.618					9
68 Bis(2-chloroethoxy)methane	93		6.634					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.730					
72 1,2,4-Trichlorobenzene	180		6.805					
73 Naphthalene	128		6.875					9
74 4-Chloroaniline	127		6.912					9
77 Hexachlorobutadiene	225		6.976					
84 4-Chloro-3-methylphenol	107		7.313					9
85 2-Methylnaphthalene	142		7.468					
88 Hexachlorocyclopentadiene	237		7.597					
90 2,4,6-Trichlorophenol	196		7.698					
91 2,4,5-Trichlorophenol	196		7.730					
98 2-Chloronaphthalene	162		7.880					
100 2-Nitroaniline	65		7.955					9
103 Dimethyl phthalate	163		8.099					9
105 2,6-Dinitrotoluene	165		8.158					
107 Acenaphthylene	152		8.233					9
108 3-Nitroaniline	138		8.303					
110 Acenaphthene	153		8.378					
109 2,4-Dinitrophenol	184		8.388					
111 4-Nitrophenol	109		8.426					9
112 2,4-Dinitrotoluene	165		8.495					
114 Dibenzofuran	168		8.522					9
119 Diethyl phthalate	149		8.688					9
121 4-Chlorophenyl phenyl ether	204		8.800					
124 Fluorene	166		8.811					9
123 4-Nitroaniline	138		8.816					9
126 4,6-Dinitro-2-methylphenol	198		8.838					
130 N-Nitrosodiphenylamine	169		8.896					
137 4-Bromophenyl phenyl ether	248		9.212					
139 Hexachlorobenzene	284		9.271					
141 Pentachlorophenol	266		9.431					
146 Phenanthrene	178		9.624					9
147 Anthracene	178		9.667					9
149 Carbazole	167		9.795					
151 Di-n-butyl phthalate	149		10.057					
157 Fluoranthene	202		10.624					
160 Pyrene	202		10.822					
166 Butyl benzyl phthalate	149		11.389					9
173 3,3'-Dichlorobenzidine	252		11.999					
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	85	17380	0.3242	
175 Benzo[a]anthracene	228		12.041					9
176 Chrysene	228		12.090					9
178 Di-n-octyl phthalate	149		12.881					
180 Benzo[b]fluoranthene	252		13.475					
181 Benzo[k]fluoranthene	252		13.518					
182 Benzo[a]pyrene	252		13.951					
186 Indeno[1,2,3-cd]pyrene	276		15.630					9
187 Dibenz(a,h)anthracene	278		15.657					
188 Benzo[g,h,i]perylene	276		16.031					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

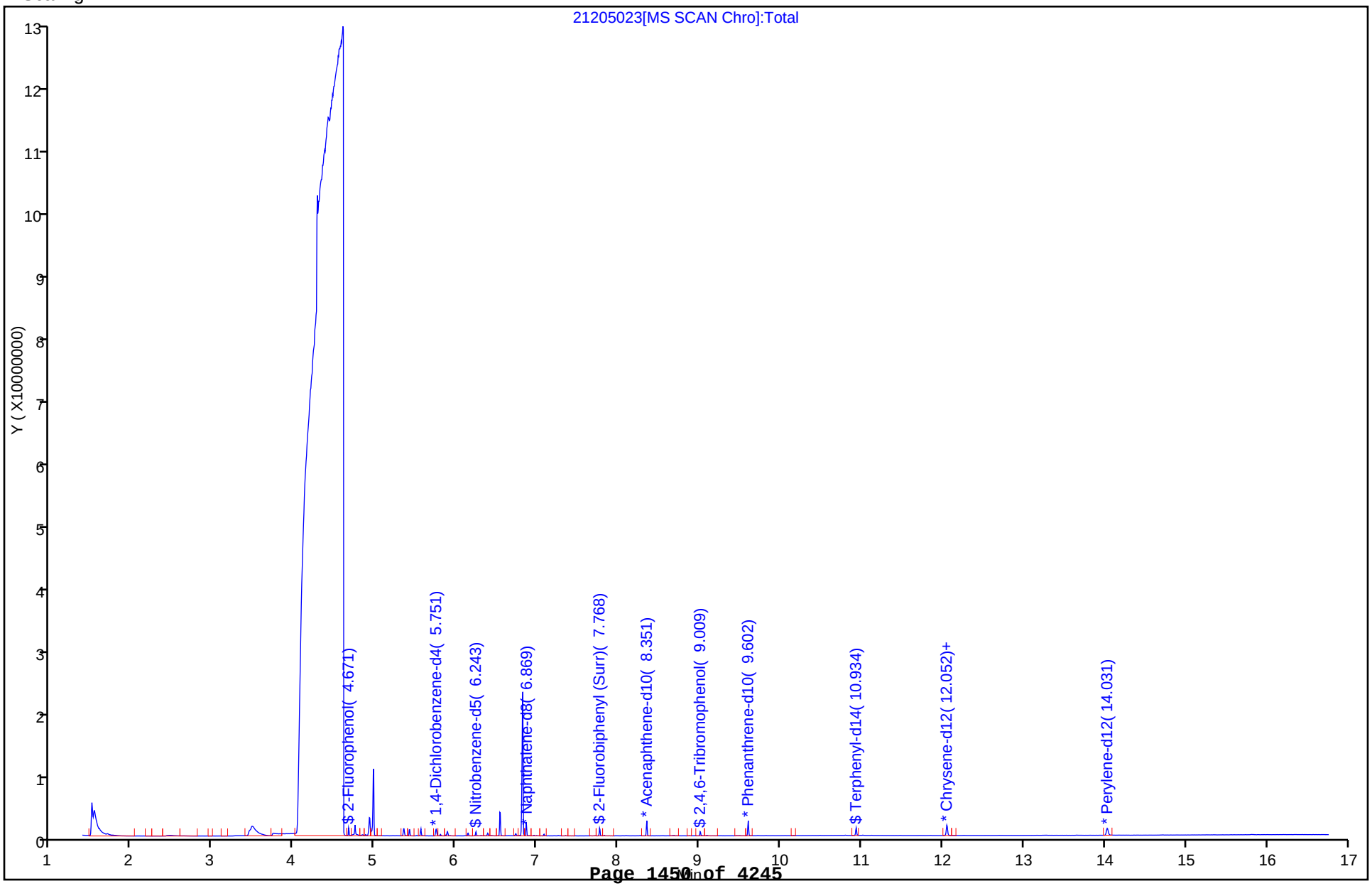
Report Date: 06-Dec-2012 08:49:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205023.D

Injection Date:	05-Dec-2012 17:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0061M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	23
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



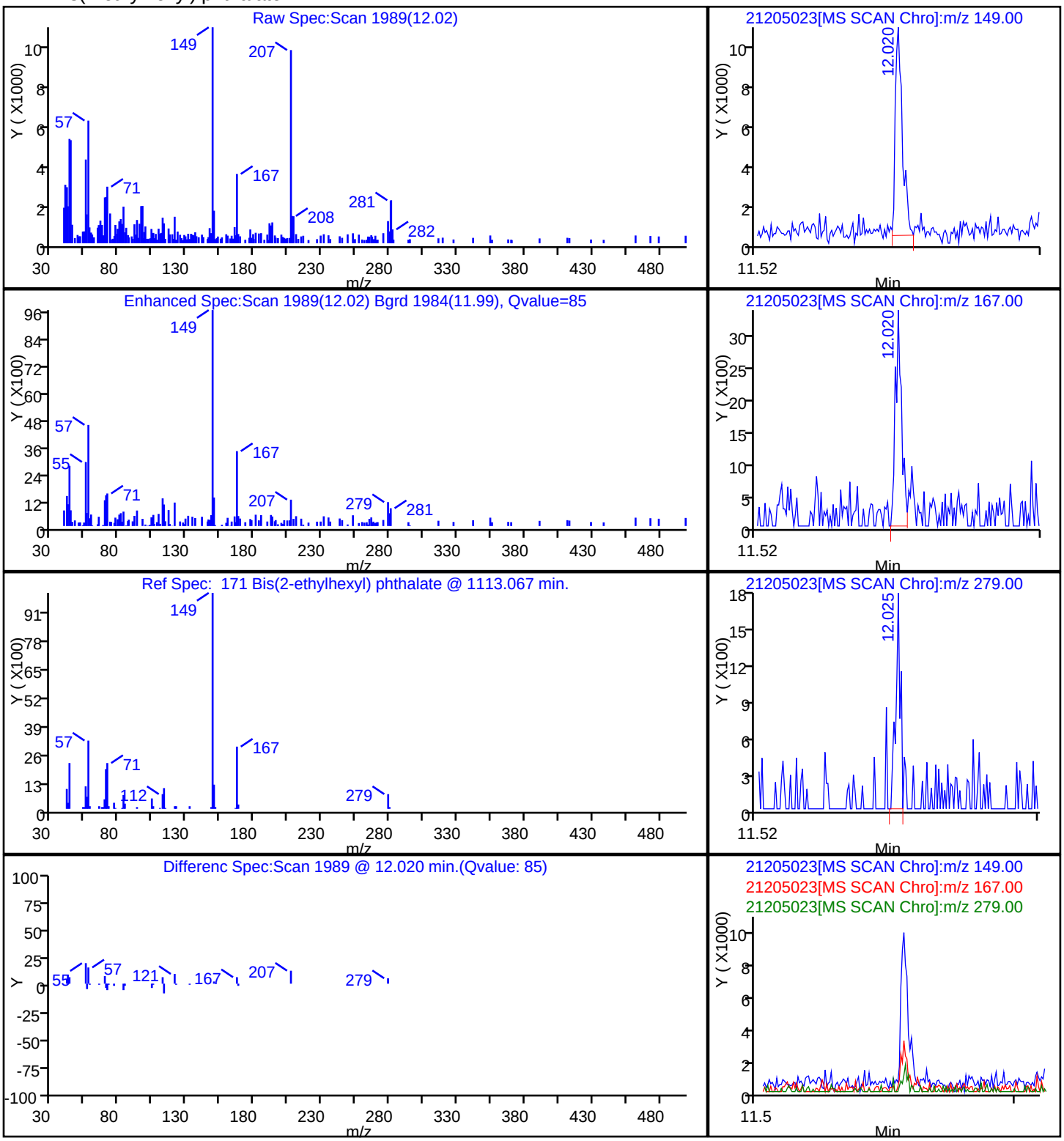
Report Date: 06-Dec-2012 08:49:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205023.D

Injection Date:	05-Dec-2012 17:41:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0061M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	23
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0062M-0001-SO | Lab Sample ID: 240-17796-24

Matrix: Solid | Lab File ID: 21204022.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:05

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.31(g) | Date Analyzed: 12/04/2012 17:15

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.6	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.6	3.3	3.3
120-12-7	Anthracene	3.3	U	6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	9.8		6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	5.4	J	6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	650	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.6	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	99	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	99	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	99	27	9.4
117-81-7	Bis(2-ethylhexyl) phthalate	26	J	49	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U	49	27	13
85-68-7	Butyl benzyl phthalate	27	U	49	27	9.9
86-74-8	Carbazole	27	U	49	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	49	3.3	3.3
95-57-8	2-Chlorophenol	27	U	49	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U	49	27	13
218-01-9	Chrysene	3.3	U	6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.6	3.3	3.3
132-64-9	Dibenzofuran	3.3	U	49	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U	49	27	9.6
541-73-1	1,3-Dichlorobenzene	27	U	49	27	11
106-46-7	1,4-Dichlorobenzene	27	U	49	27	20
91-94-1	3,3'-Dichlorobenzidine	79	U	99	79	18
120-83-2	2,4-Dichlorophenol	27	U	150	27	20
84-66-2	Diethyl phthalate	27	U	49	27	16
105-67-9	2,4-Dimethylphenol	79	U	150	79	20
131-11-3	Dimethyl phthalate	27	U	49	27	17
84-74-2	Di-n-butyl phthalate	27	U	49	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0062M-0001-SO | Lab Sample ID: 240-17796-24

Matrix: Solid | Lab File ID: 21204022.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:05

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.31(g) | Date Analyzed: 12/04/2012 17:15

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	79	U	150	79	79
51-28-5	2,4-Dinitrophenol	79	U	330	79	79
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	49	27	27
206-44-0	Fluoranthene	6.2	J	6.6	3.3	3.3
86-73-7	Fluorene	3.3	U	6.6	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.6	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U	49	27	27
77-47-4	Hexachlorocyclopentadiene	27	U	330	27	27
67-72-1	Hexachloroethane	27	U	49	27	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.6	3.3	3.3
78-59-1	Isophorone	27	U	49	27	13
91-57-6	2-Methylnaphthalene	4.5	J	6.6	3.3	3.3
95-48-7	2-Methylphenol	79	U	200	79	79
15831-10-4	3 & 4 Methylphenol	79	U	400	79	20
91-20-3	Naphthalene	4.6	J	6.6	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.0
99-09-2	3-Nitroaniline	79	U	200	79	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	99	3.3	2.2
88-75-5	2-Nitrophenol	27	U	49	27	27
100-02-7	4-Nitrophenol	79	U	330	79	79
621-64-7	N-Nitrosodi-n-propylamine	27	U	49	27	27
86-30-6	N-Nitrosodiphenylamine	27	U	49	27	21
87-86-5	Pentachlorophenol	79	U	150	79	79
85-01-8	Phenanthrene	5.1	J	6.6	3.3	3.3
108-95-2	Phenol	27	U	49	27	27
129-00-0	Pyrene	4.7	J	6.6	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U	49	27	27
95-95-4	2,4,5-Trichlorophenol	27	U	150	27	25
88-06-2	2,4,6-Trichlorophenol	79	U	150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0062M-0001-SO | Lab Sample ID: 240-17796-24

Matrix: Solid | Lab File ID: 21204022.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:05

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.31(g) | Date Analyzed: 12/04/2012 17:15

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	71		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	73		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	73		35-125

Report Date: 05-Dec-2012 13:46:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D		
Lims ID:	240-17796-E-24-B	Client ID:	076SB-0062M-0001-SO
Inject. Date:	04-Dec-2012 17:15:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015502-022		
Misc. Info.:	240-17796-e-24-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	67225	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		

First Level Reviewer: gruberj Date: 05-Dec-2012 13:43:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.796	5.769	0.027	95	175405	4.00	
* 2 Naphthalene-d8	136	6.903	6.892	0.011	99	646981	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	92	390885	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	97	675154	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	95	728259	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	96	650800	4.00	
$ 7 2-Fluorophenol	112	4.769	4.486	0.283	93	537077	9.91	
$ 8 Phenol-d5	99	5.475	5.422	0.053	96	717340	10.4	
$ 9 Nitrobenzene-d5	82	6.288	6.267	0.021	87	403406	7.09	
$ 10 2-Fluorobiphenyl (Surr)	172	7.812	7.807	0.005	99	816498	6.44	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	94	176915	10.9	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	981448	7.28	
41 Phenol	94		5.432					9
44 Bis(2-chloroethyl)ether	93		5.523					
46 2-Chlorophenol	128		5.577					9
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					9
63 Isophorone	82		6.486					
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					9
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93		6.668					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.924	6.914	0.010	39	11162	0.0690	
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					
85 2-Methylnaphthalene	142	7.507	7.508	-0.001	59	6977	0.0675	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					9
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					
105 2,6-Dinitrotoluene	165		8.198					9
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					9
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168		8.561					9
119 Diethyl phthalate	149	8.727	8.727	0.0	58	11957	0.0996	
121 4-Chlorophenyl phenyl ether	204		8.839					9
124 Fluorene	166		8.850					
123 4-Nitroaniline	138		8.855					9
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					9
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178	9.663	9.663	0.0	90	14274	0.0774	
147 Anthracene	178		9.711					
149 Carbazole	167		9.834					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	81	27003	0.1351	
157 Fluoranthene	202	10.679	10.669	0.010	80	19180	0.0942	
160 Pyrene	202	10.866	10.866	0.0	81	16525	0.0711	
166 Butyl benzyl phthalate	149		11.439					9
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149	12.075	12.081	-0.006	84	27584	0.3980	
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252	13.557	13.551	0.006	73	16963	0.0817	
181 Benzo[k]fluoranthene	252		13.594					M
182 Benzo[a]pyrene	252	14.038	14.038	0.0	54	7670	0.1493	
186 Indeno[1,2,3-cd]pyrene	276		15.723					
187 Dibenz(a,h)anthracene	278		15.750					9
188 Benzo[g,h,i]perylene	276		16.135					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

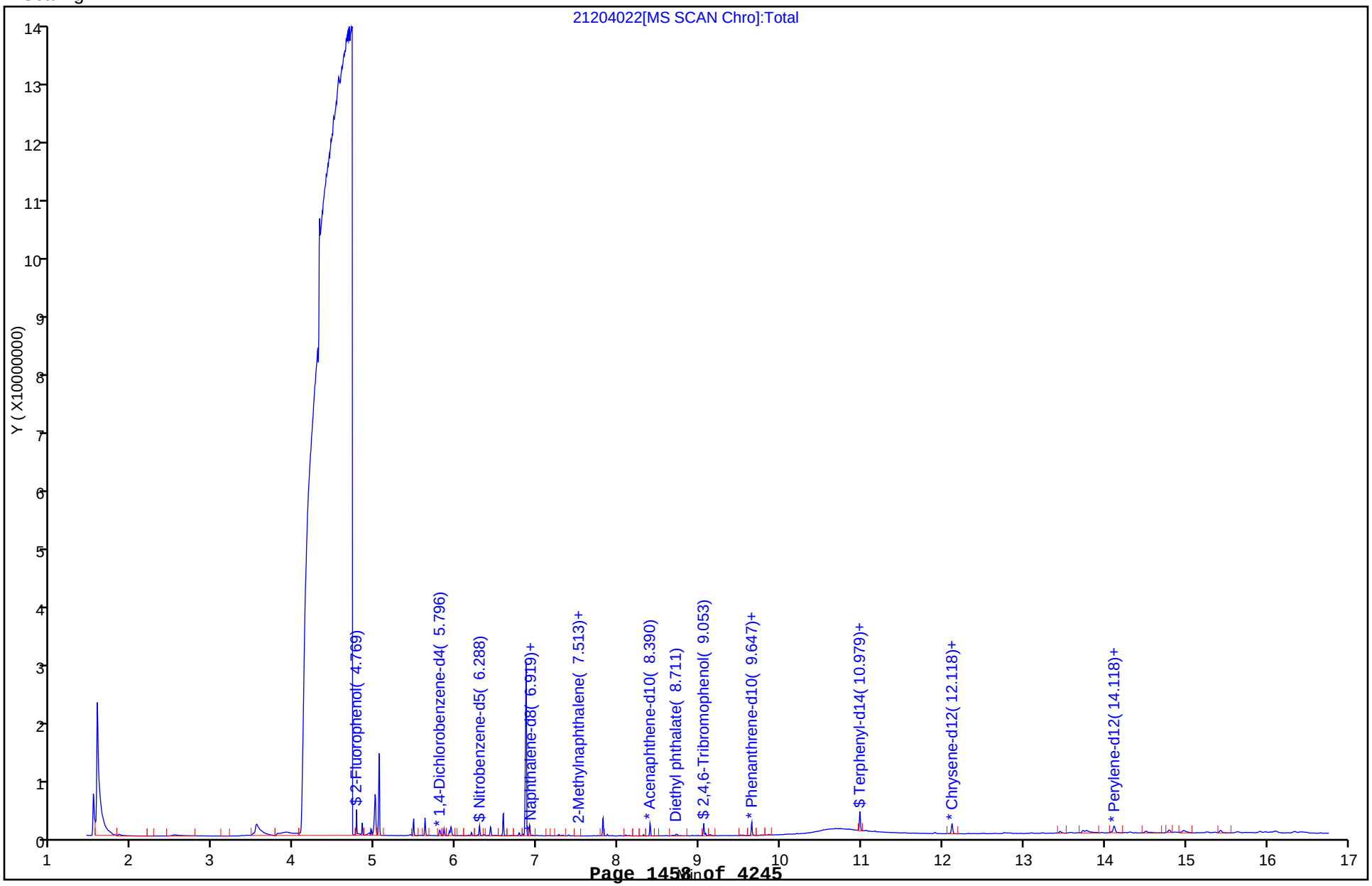
Review Flags
M - Manually Integrated

Report Date: 05-Dec-2012 13:46:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D		
Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

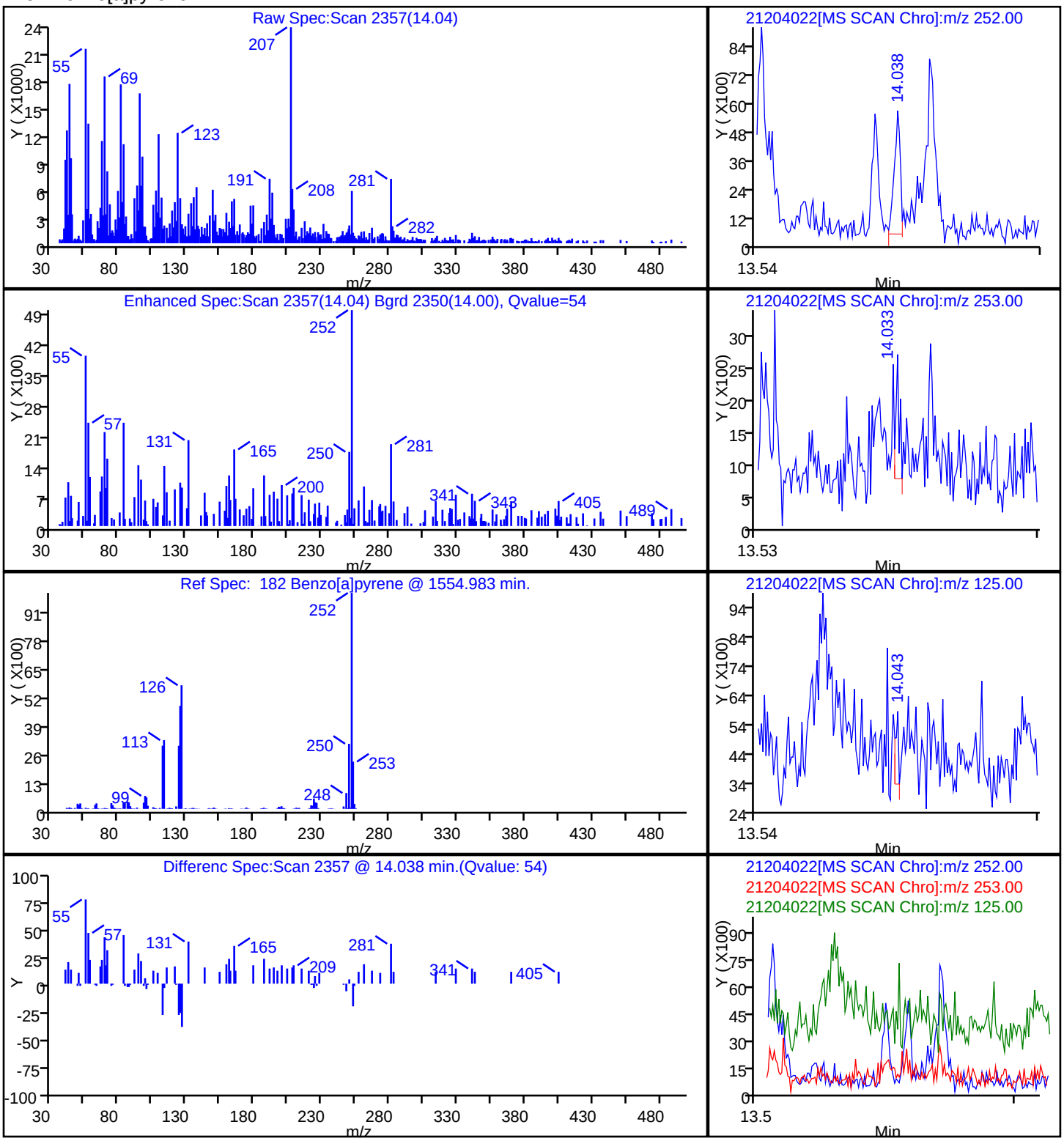


Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D		
Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene

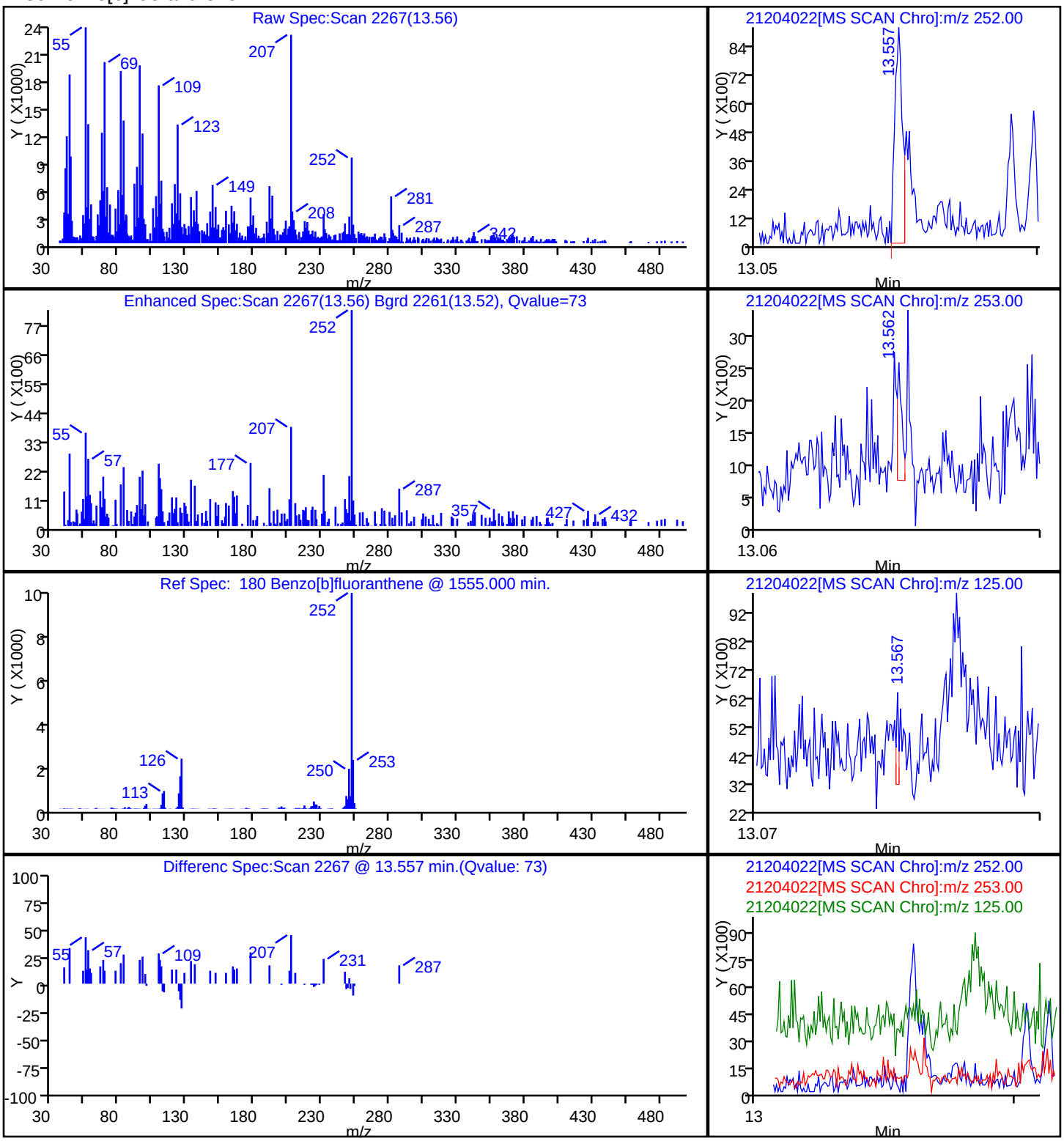


Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D		
Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



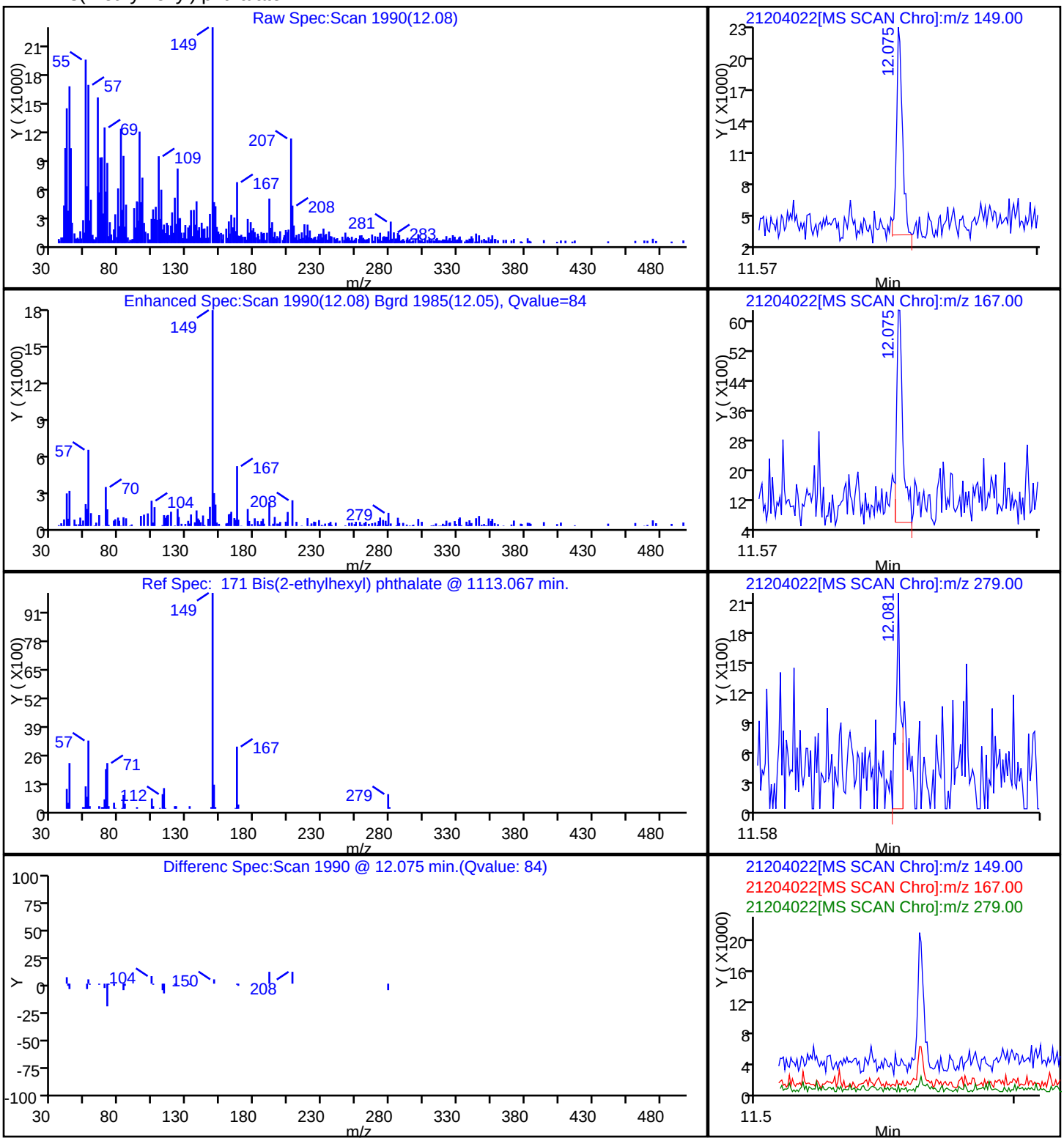
Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D

Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	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

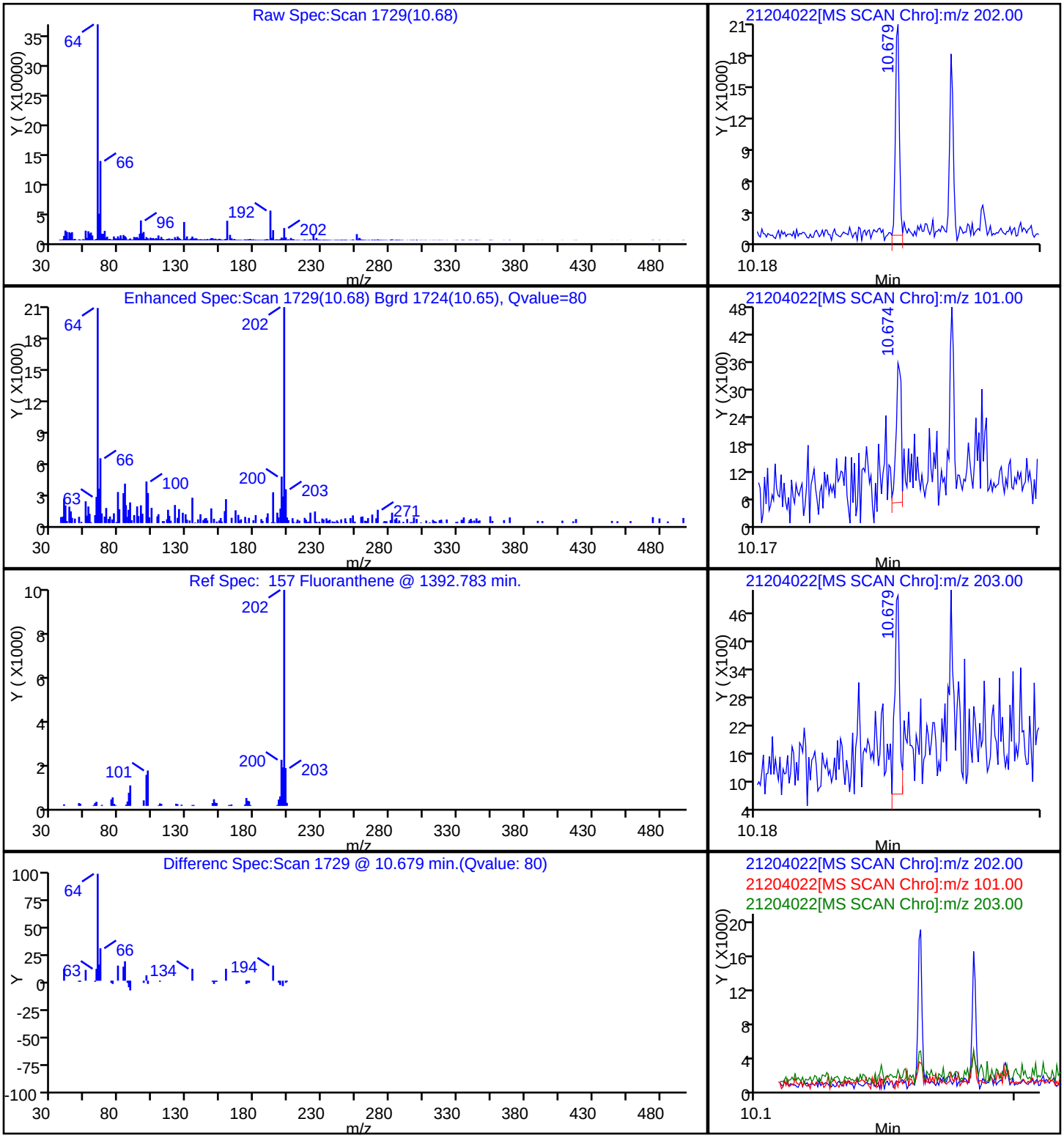


Report Date: 05-Dec-2012 13:46:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D		
Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

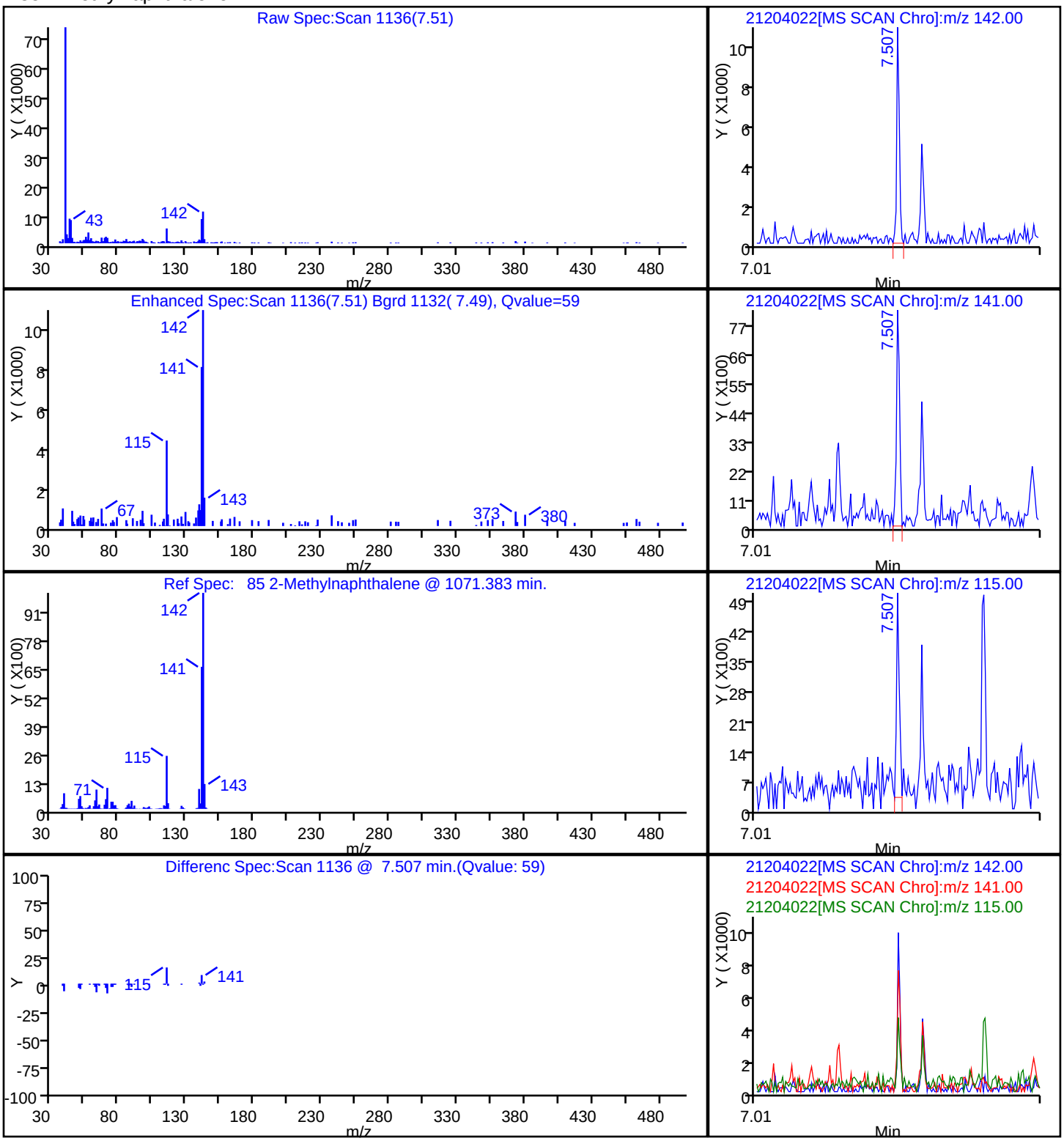


Report Date: 05-Dec-2012 13:46:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D		
Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene

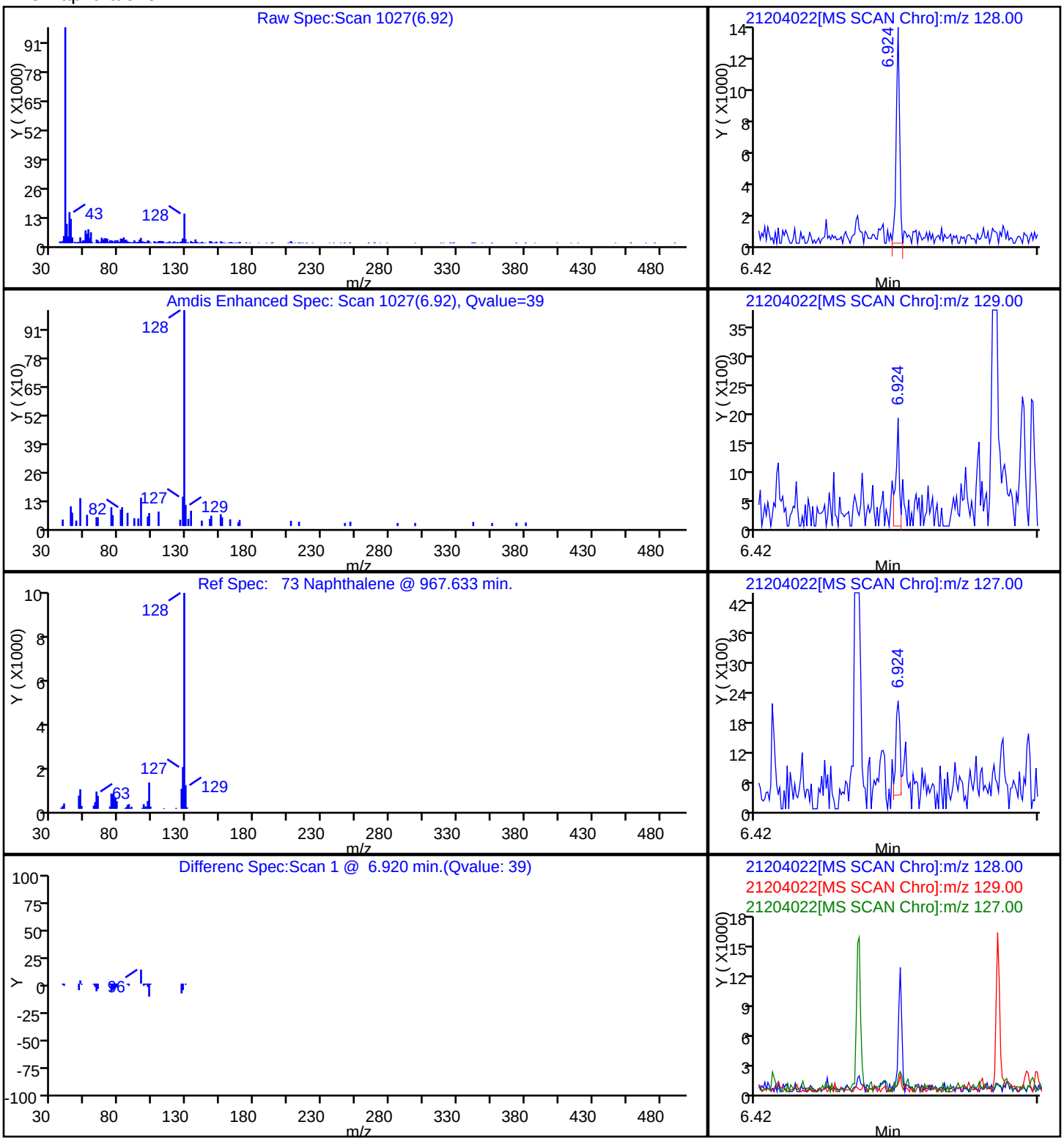


Report Date: 05-Dec-2012 13:46:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D		
Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene



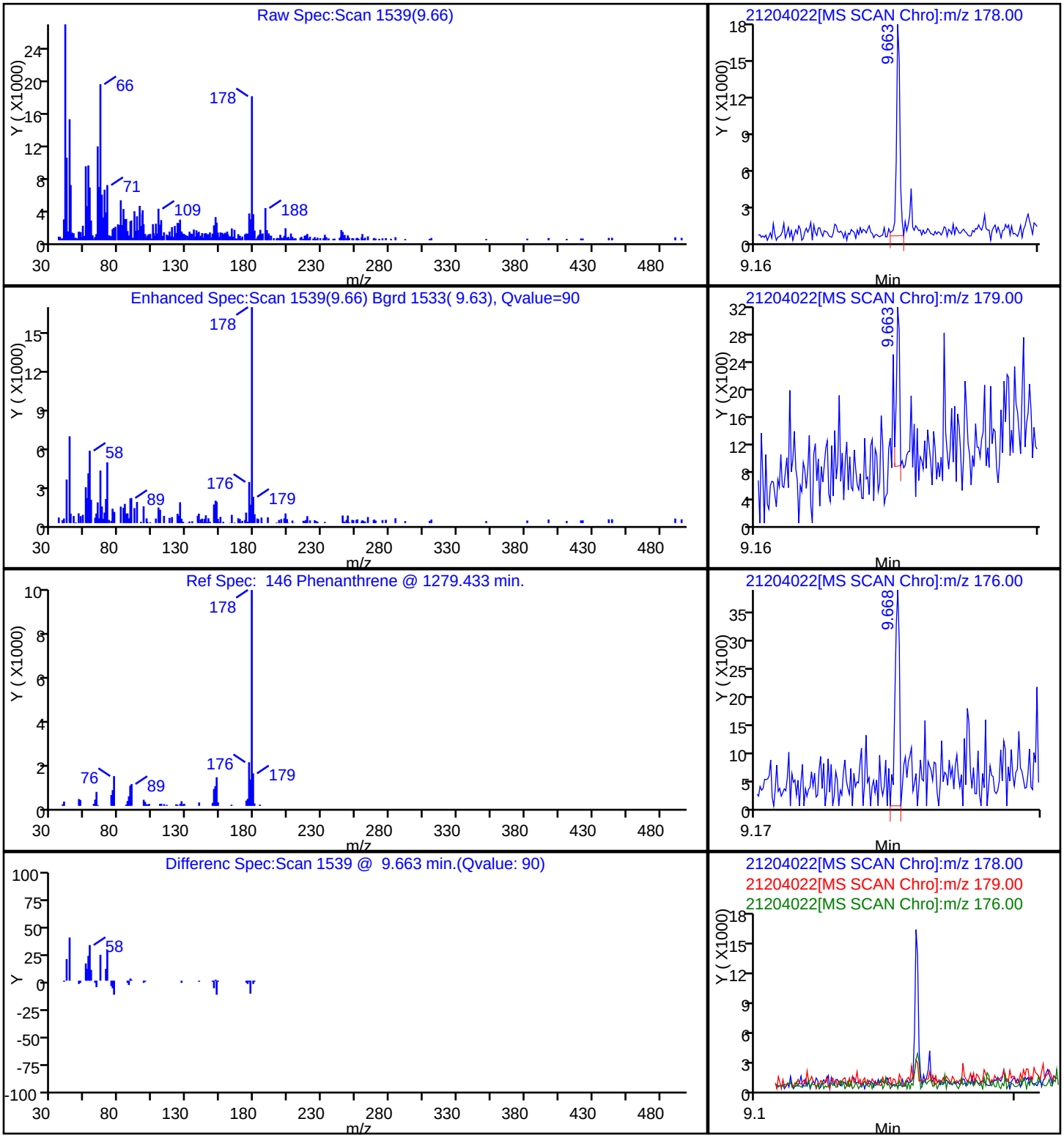
Report Date: 05-Dec-2012 13:46:49 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D

Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	22
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene

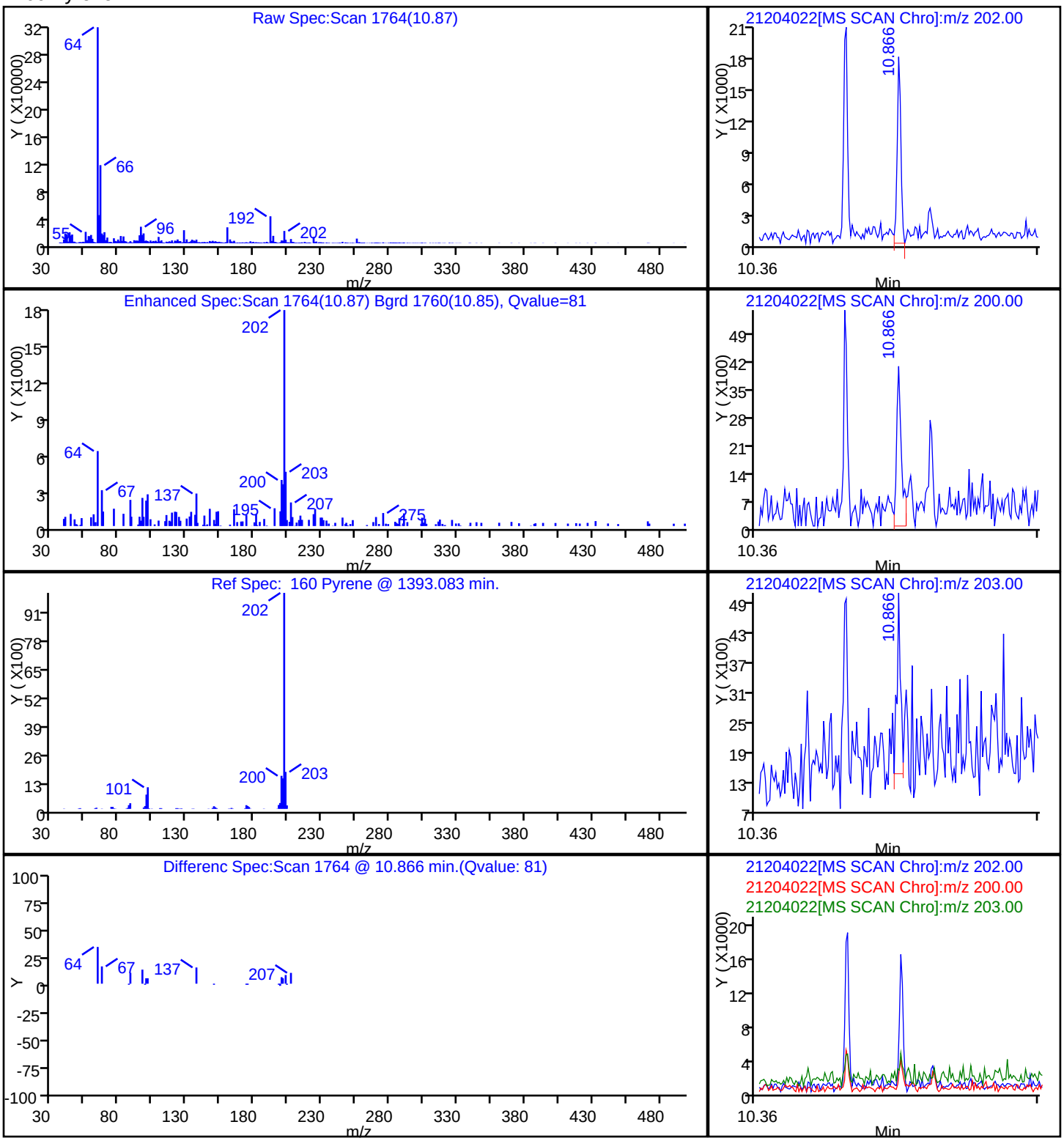


Report Date: 05-Dec-2012 13:46:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204022.D		
Injection Date:	04-Dec-2012 17:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0062M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	22
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO | Lab Sample ID: 240-17796-25

Matrix: Solid | Lab File ID: 21204008.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/04/2012 11:43

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.6	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.6	3.3	3.3
120-12-7	Anthracene	3.3	U	6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	5.7	J	6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.6	3.3	3.3
100-51-6	Benzyl alcohol	27	U	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U	99	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U	99	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U	99	27	9.4
117-81-7	Bis(2-ethylhexyl) phthalate	25	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	9.9
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	6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.6	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	9.6
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	79	U	99	79	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	79	U	150	79	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO | Lab Sample ID: 240-17796-25

Matrix: Solid | Lab File ID: 21204008.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/04/2012 11:43

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	79	U J	150	79	79
51-28-5	2,4-Dinitrophenol	79	U	330	79	79
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	7.6		6.6	3.3	3.3
86-73-7	Fluorene	3.3	U	6.6	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.6	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	8.9
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U	6.6	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	25		6.6	3.3	3.3
95-48-7	2-Methylphenol	79	U	200	79	79
15831-10-4	3 & 4 Methylphenol	79	U	400	79	20
91-20-3	Naphthalene	16		6.6	3.3	3.3
88-74-4	2-Nitroaniline	27	U	200	27	9.0
99-09-2	3-Nitroaniline	79	U	200	79	16
100-01-6	4-Nitroaniline	27	U	200	27	26
98-95-3	Nitrobenzene	3.3	U	99	3.3	2.2
88-75-5	2-Nitrophenol	27	U	50	27	27
100-02-7	4-Nitrophenol	79	U	330	79	79
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	79	U	150	79	79
85-01-8	Phenanthrene	7.4		6.6	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	5.8	J	6.6	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	79	U	150	79	79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO | Lab Sample ID: 240-17796-25

Matrix: Solid | Lab File ID: 21204008.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.22(g) | Date Analyzed: 12/04/2012 11:43

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	69		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	73		35-100
4165-62-2	Phenol-d5 (Surr)	76		40-100
1718-51-0	Terphenyl-d14 (Surr)	76		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	74		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D		
Lims ID:	240-17796-E-25-B	Client ID:	076SB-0063M-0001-SO
Inject. Date:	04-Dec-2012 11:43:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015502-008		
Misc. Info.:	240-17796-e-25-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	67225	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	04-Dec-2012 12:56:04	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:	XAWRK009		
First Level Reviewer: gruberj		Date:	04-Dec-2012 12:38:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.791	5.769	0.022	94	164414	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	95	634604	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	89	370264	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	640995	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	690416	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	96	609019	4.00	
$ 7 2-Fluorophenol	112	4.860	4.486	0.374	87	514355	10.1	
$ 8 Phenol-d5	99	5.470	5.422	0.048	96	731374	11.3	
$ 9 Nitrobenzene-d5	82	6.272	6.267	0.005	89	405449	7.27	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	830550	6.91	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	92	169932	11.1	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	976131	7.63	
41 Phenol	94		5.432					
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					9
47 1,3-Dichlorobenzene	146		5.721					9
48 1,4-Dichlorobenzene	146		5.785					9
49 Benzyl alcohol	108		5.887					
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					
52 2,2'-oxybis[1-chloropropane]	45		6.010					9
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					9
60 Hexachloroethane	117		6.229					9
61 Nitrobenzene	77		6.283					9
63 Isophorone	82		6.486					9
65 2-Nitrophenol	139		6.561					9
64 2,4-Dimethylphenol	107		6.582					
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93		6.668					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.764					
72 1,2,4-Trichlorobenzene	180		6.844					
73 Naphthalene	128	6.914	6.914	0.0	67	37383	0.2358	
74 4-Chloroaniline	127		6.951					9
77 Hexachlorobutadiene	225		7.015					
84 4-Chloro-3-methylphenol	107		7.352					9
85 2-Methylnaphthalene	142	7.508	7.508	0.0	74	38960	0.3841	
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
91 2,4,5-Trichlorophenol	196		7.770					
98 2-Chloronaphthalene	162		7.919					9
100 2-Nitroaniline	65		8.000					
103 Dimethyl phthalate	163		8.139					9
105 2,6-Dinitrotoluene	165		8.198					
107 Acenaphthylene	152		8.272					
108 3-Nitroaniline	138		8.342					9
110 Acenaphthene	153		8.417					
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					9
114 Dibenzofuran	168		8.561					9
119 Diethyl phthalate	149		8.727					
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166		8.850					
123 4-Nitroaniline	138		8.855					9
126 4,6-Dinitro-2-methylphenol	198		8.877					
130 N-Nitrosodiphenylamine	169		8.936					
137 4-Bromophenyl phenyl ether	248		9.257					
139 Hexachlorobenzene	284		9.315					
141 Pentachlorophenol	266		9.476					
146 Phenanthrene	178	9.663	9.663	0.0	78	19624	0.1121	
147 Anthracene	178		9.711					
149 Carbazole	167		9.834					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	75	20215	0.1065	
157 Fluoranthene	202	10.674	10.669	0.005	83	22197	0.1148	
160 Pyrene	202	10.867	10.866	0.001	91	19407	0.0881	
166 Butyl benzyl phthalate	149		11.439					9
173 3,3'-Dichlorobenzidine	252		12.059					
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	81	22649	0.3704	
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					9
178 Di-n-octyl phthalate	149		12.952					9
180 Benzo[b]fluoranthene	252	13.562	13.551	0.011	71	16597	0.0854	
181 Benzo[k]fluoranthene	252		13.594					M
182 Benzo[a]pyrene	252		14.038					
186 Indeno[1,2,3-cd]pyrene	276		15.723					
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276		16.135					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

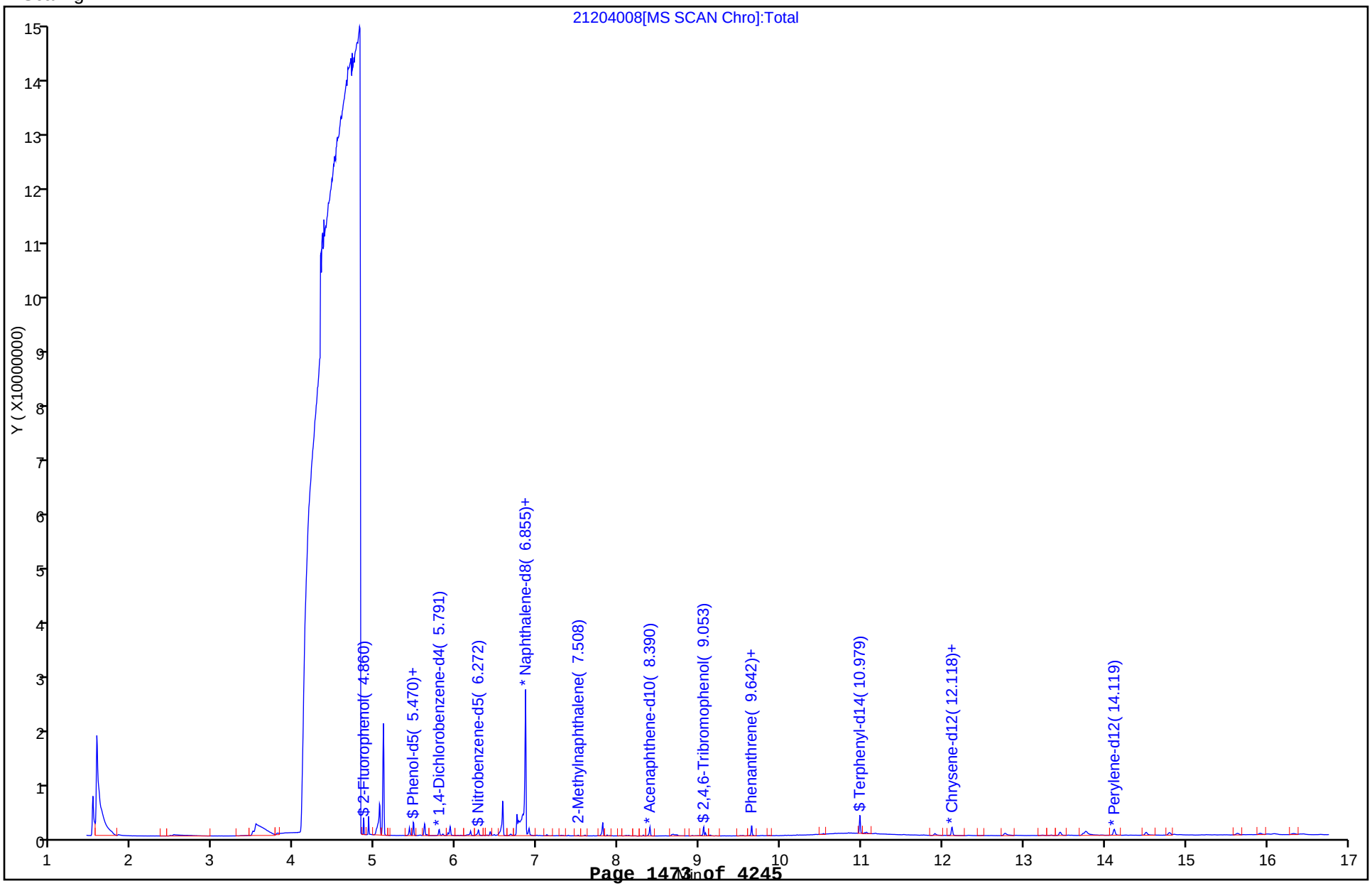
Review Flags
M - Manually Integrated

Report Date: 04-Dec-2012 12:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D		
Injection Date:	04-Dec-2012 11:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



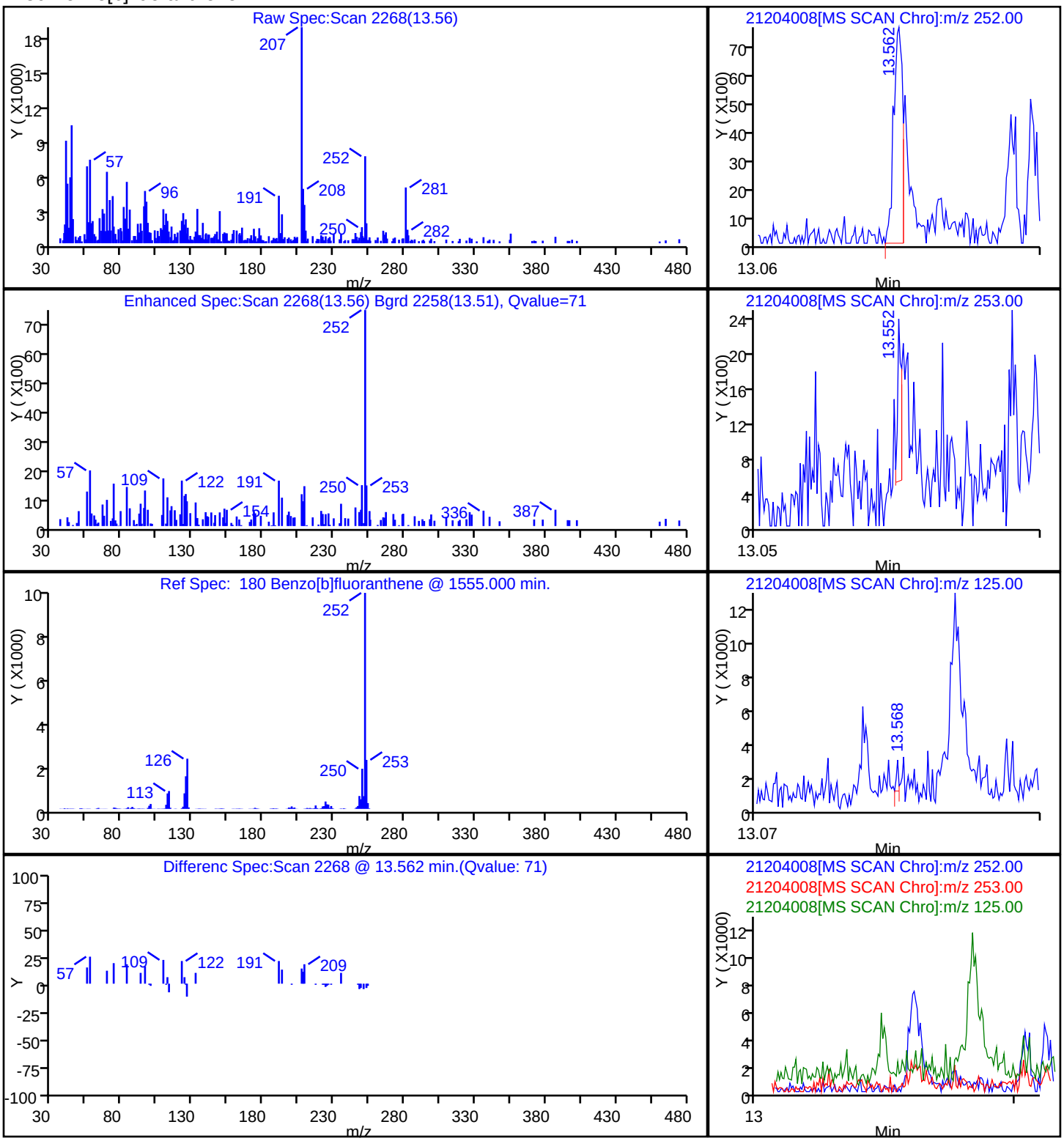
Report Date: 04-Dec-2012 12:56:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D

Injection Date:	04-Dec-2012 11:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene

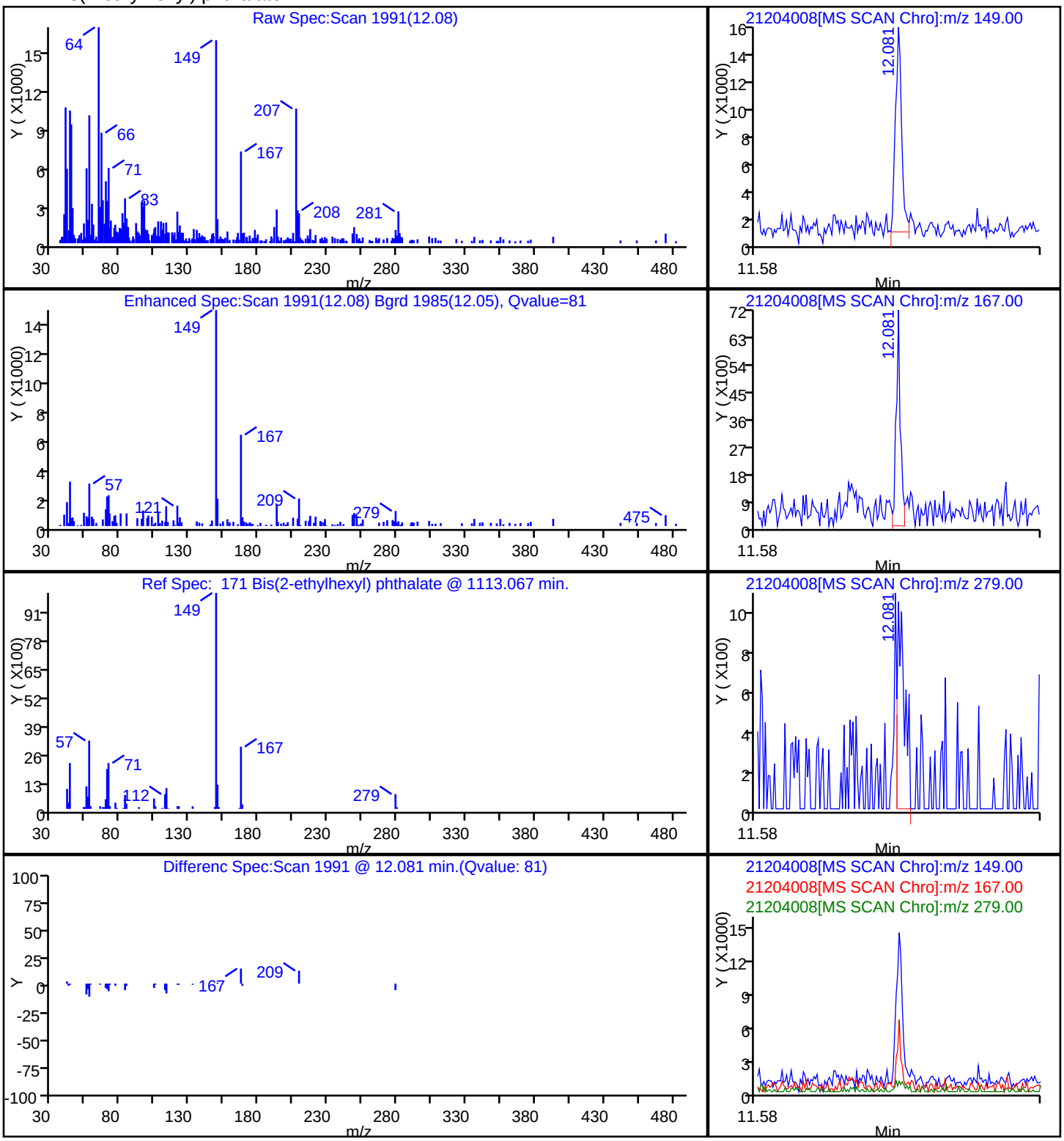


Report Date: 04-Dec-2012 12:56:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D		
Injection Date:	04-Dec-2012 11:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate

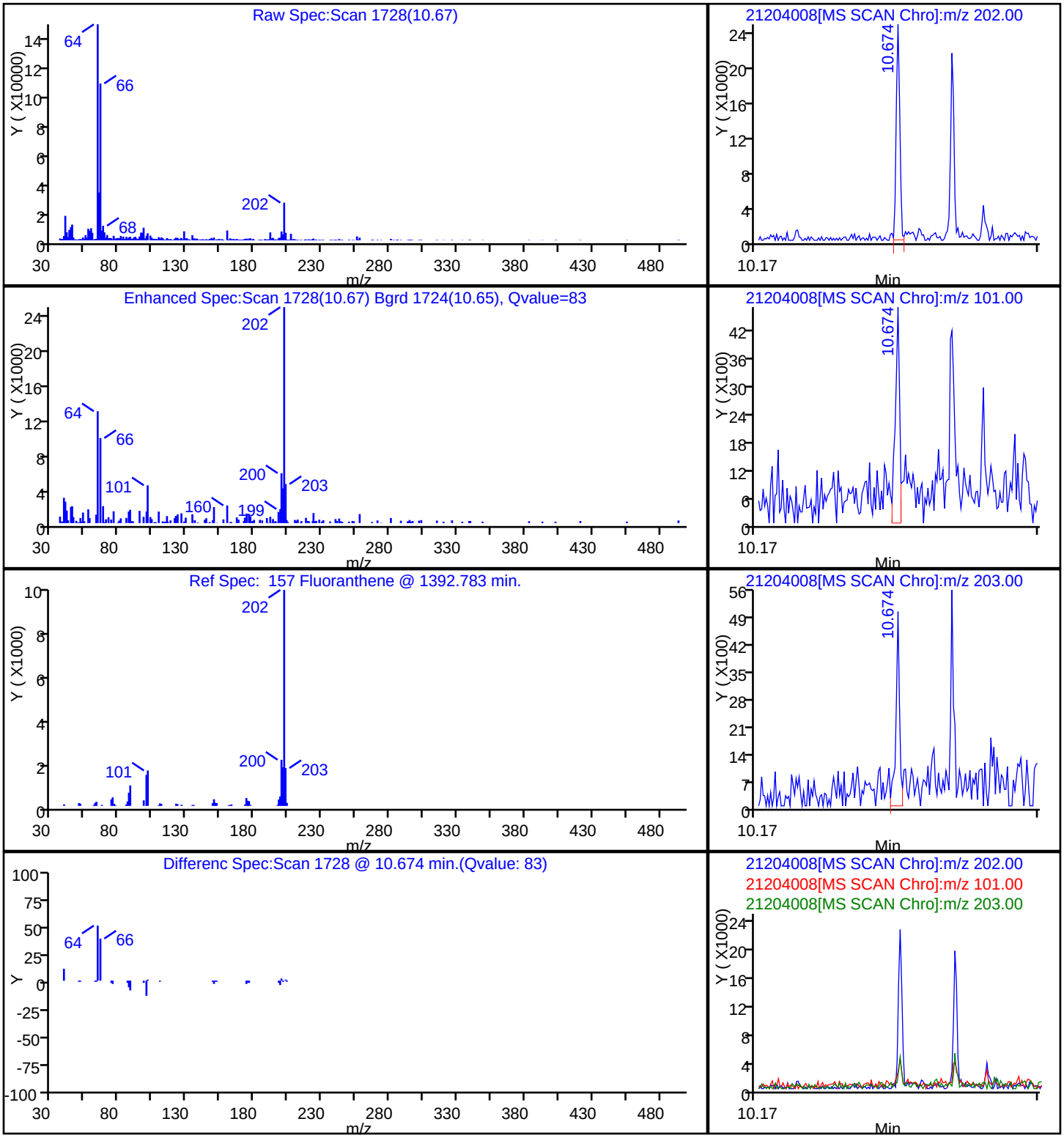


Report Date: 04-Dec-2012 12:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D		
Injection Date:	04-Dec-2012 11:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

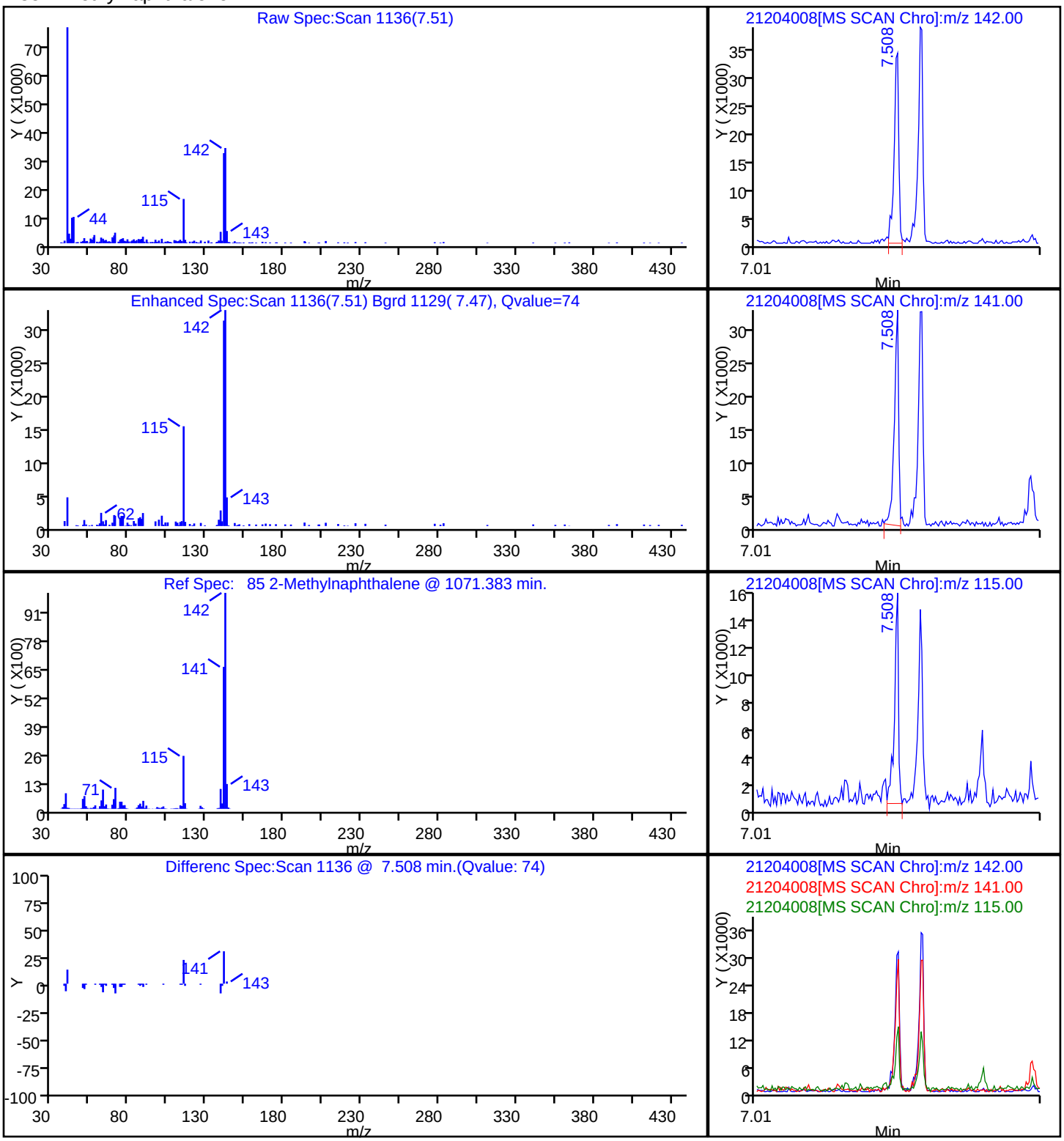


Report Date: 04-Dec-2012 12:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D		
Injection Date:	04-Dec-2012 11:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



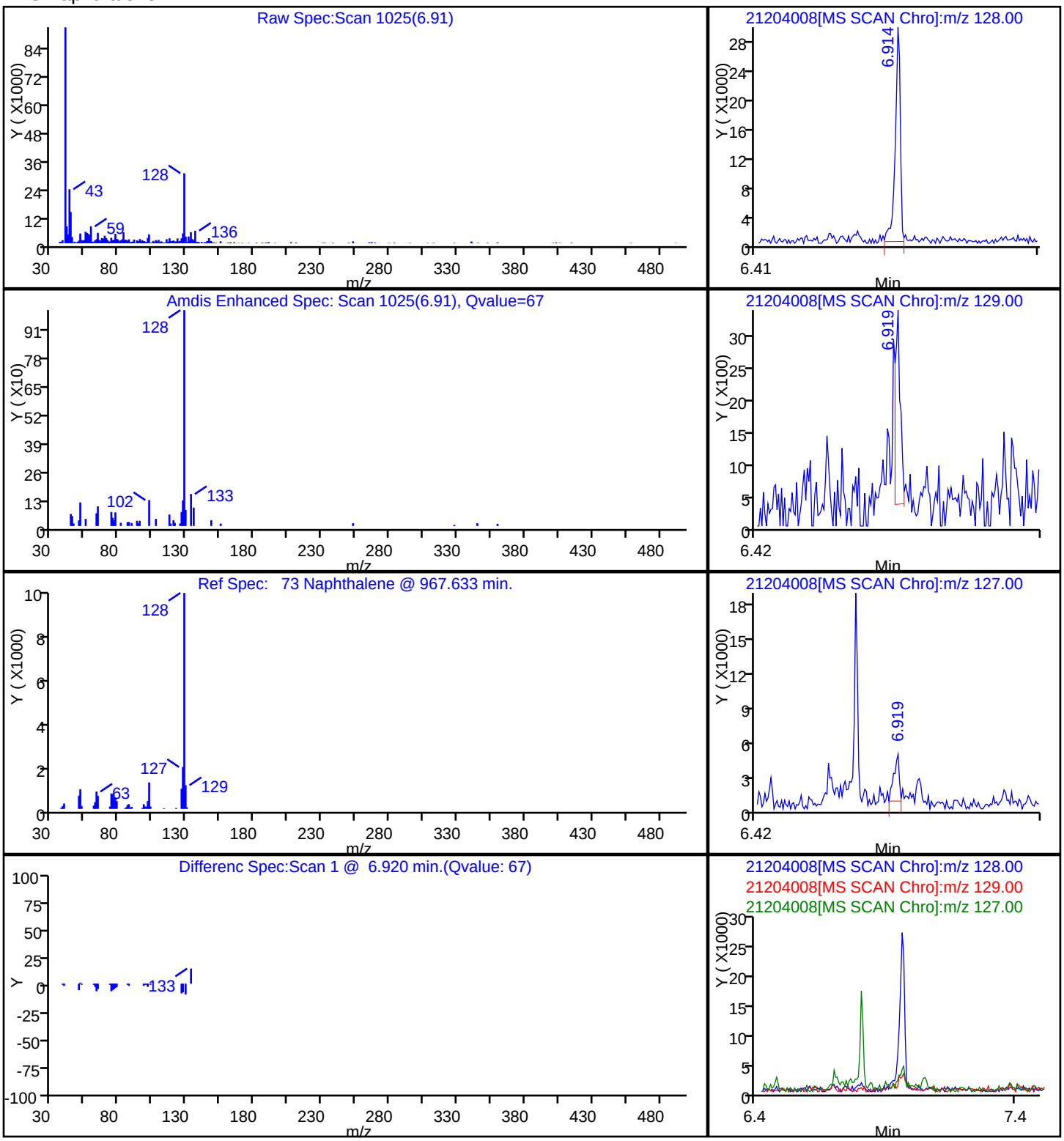
Report Date: 04-Dec-2012 12:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D

Injection Date:	04-Dec-2012 11:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

73 Naphthalene

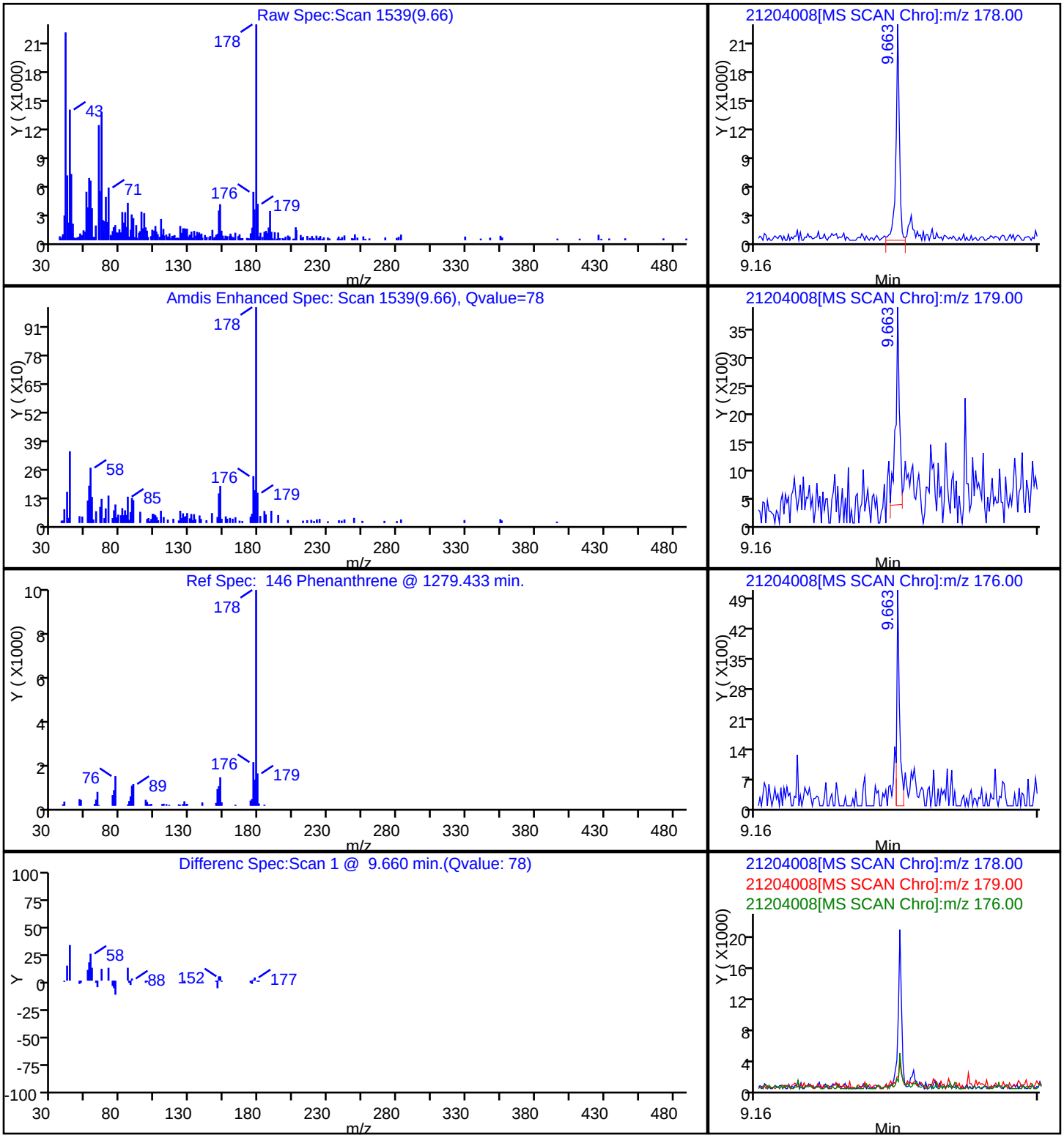


Report Date: 04-Dec-2012 12:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D		
Injection Date:	04-Dec-2012 11:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	8
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene

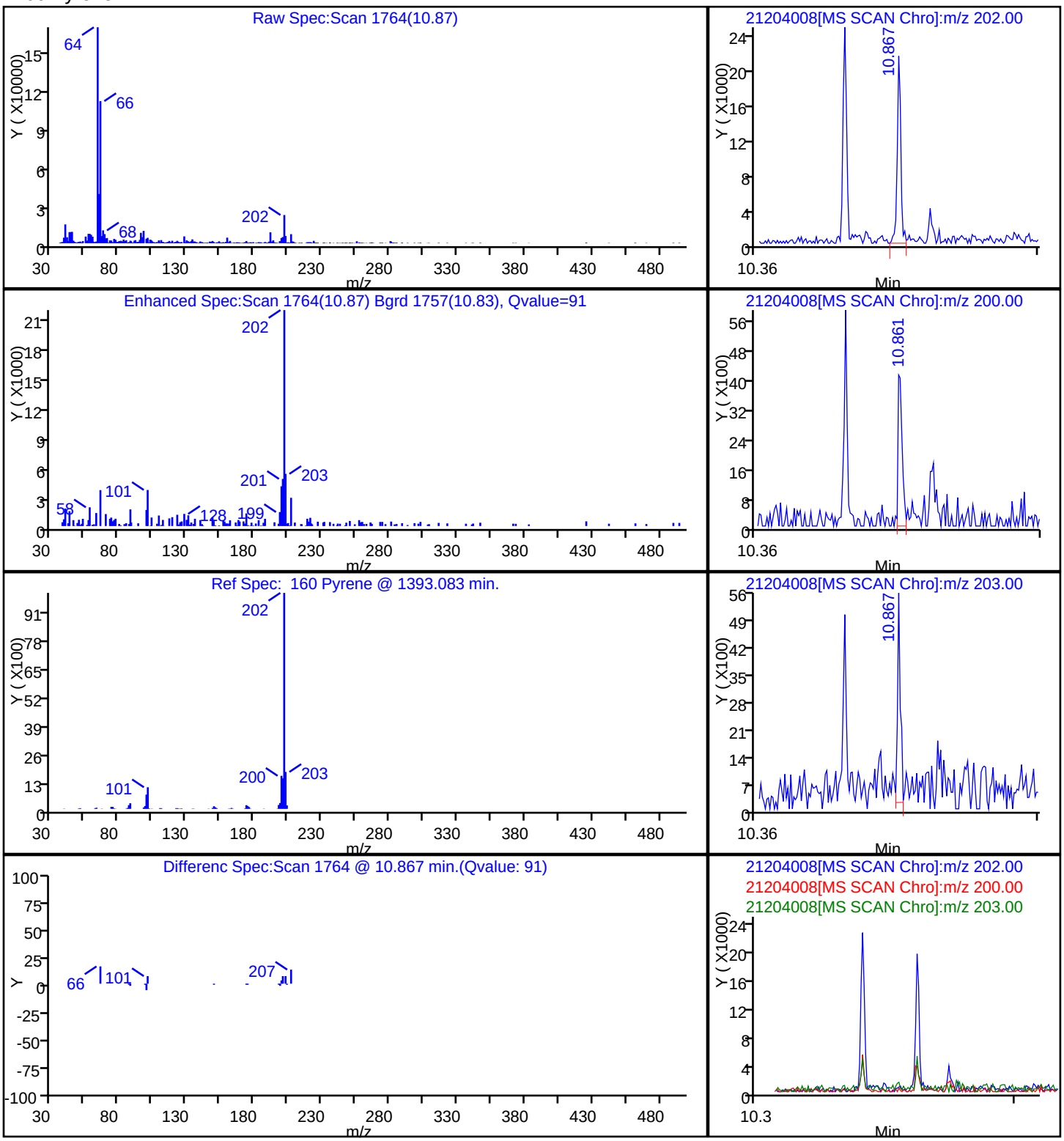


Report Date: 04-Dec-2012 12:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204008.D		
Injection Date:	04-Dec-2012 11:43:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0063M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	8
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0064M-0001-SO | Lab Sample ID: 240-17796-26

Matrix: Solid | Lab File ID: 21206009.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.44(g) | Date Analyzed: 12/06/2012 12:04

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	66	33	33
208-96-8	Acenaphthylene	33	U	66	33	33
120-12-7	Anthracene	33	U	66	33	33
56-55-3	Benzo[a]anthracene	33	U	66	33	33
50-32-8	Benzo[a]pyrene	33	U	66	33	33
205-99-2	Benzo[b]fluoranthene	33	U	66	33	33
191-24-2	Benzo[g,h,i]perylene	33	U	66	33	33
65-85-0	Benzoic acid	3300	U	6500	3300	3300
207-08-9	Benzo[k]fluoranthene	33	U	66	33	33
100-51-6	Benzyl alcohol	270	U	3300	270	210
111-91-1	Bis(2-chloroethoxy)methane	270	U	990	270	220
111-44-4	Bis(2-chloroethyl)ether	33	U	990	33	20
108-60-1	bis (2-chloroisopropyl) ether	270	U	990	270	94
117-81-7	Bis(2-ethylhexyl) phthalate	270	U	490	270	190
101-55-3	4-Bromophenyl phenyl ether	270	U	490	270	130
85-68-7	Butyl benzyl phthalate	270	U	490	270	99
86-74-8	Carbazole	270	U	490	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	490	33	33
95-57-8	2-Chlorophenol	270	U	490	270	270
7005-72-3	4-Chlorophenyl phenyl ether	270	U	490	270	130
218-01-9	Chrysene	33	U	66	33	11
53-70-3	Dibenz(a,h)anthracene	33	U	66	33	33
132-64-9	Dibenzofuran	33	U	490	33	33
95-50-1	1,2-Dichlorobenzene	270	U	490	270	96
541-73-1	1,3-Dichlorobenzene	270	U	490	270	110
106-46-7	1,4-Dichlorobenzene	270	U	490	270	200
91-94-1	3,3'-Dichlorobenzidine	790	U	990	790	180
120-83-2	2,4-Dichlorophenol	270	U	1500	270	200
84-66-2	Diethyl phthalate	270	U	490	270	160
105-67-9	2,4-Dimethylphenol	790	U	1500	790	200
131-11-3	Dimethyl phthalate	270	U	490	270	170
84-74-2	Di-n-butyl phthalate	270	U	490	270	150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0064M-0001-SO | Lab Sample ID: 240-17796-26

Matrix: Solid | Lab File ID: 21206009.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.44(g) | Date Analyzed: 12/06/2012 12:04

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	790	U	1500	790	790
51-28-5	2,4-Dinitrophenol	790	U	3300	790	790
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	490	270	270
206-44-0	Fluoranthene	33	U	66	33	33
86-73-7	Fluorene	33	U	66	33	33
118-74-1	Hexachlorobenzene	33	U	66	33	21
87-68-3	Hexachlorobutadiene	270	U	490	270	270
77-47-4	Hexachlorocyclopentadiene	270	U	3300	270	270
67-72-1	Hexachloroethane	270	U	490	270	89
193-39-5	Indeno[1,2,3-cd]pyrene	33	U	66	33	33
78-59-1	Isophorone	270	U	490	270	130
91-57-6	2-Methylnaphthalene	33	U	66	33	33
95-48-7	2-Methylphenol	790	U	2000	790	790
15831-10-4	3 & 4 Methylphenol	790	U	3900	790	200
91-20-3	Naphthalene	33	U	66	33	33
88-74-4	2-Nitroaniline	270	U	2000	270	90
99-09-2	3-Nitroaniline	790	U	2000	790	160
100-01-6	4-Nitroaniline	270	U	2000	270	260
98-95-3	Nitrobenzene	33	U	990	33	22
88-75-5	2-Nitrophenol	270	U	490	270	270
100-02-7	4-Nitrophenol	790	U	3300	790	790
621-64-7	N-Nitrosodi-n-propylamine	270	U	490	270	270
86-30-6	N-Nitrosodiphenylamine	270	U	490	270	210
87-86-5	Pentachlorophenol	790	U	1500	790	790
85-01-8	Phenanthrene	33	U	66	33	33
108-95-2	Phenol	270	U	490	270	270
129-00-0	Pyrene	33	U	66	33	33
120-82-1	1,2,4-Trichlorobenzene	270	U	490	270	270
95-95-4	2,4,5-Trichlorophenol	270	U	1500	270	250
88-06-2	2,4,6-Trichlorophenol	790	U	1500	790	790

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0064M-0001-SO | Lab Sample ID: 240-17796-26

Matrix: Solid | Lab File ID: 21206009.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.44(g) | Date Analyzed: 12/06/2012 12:04

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)	79		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	61		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206009.D		
Lims ID:	240-17796-E-26-B	Client ID:	076SB-0064M-0001-SO
Inject. Date:	06-Dec-2012 12:04:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	240-0015580-009		
Misc. Info.:	240-17796-e-26-b		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	67544	Lims Sample ID:	9
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 10:47:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.739	5.733	0.006	95	207371	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	795613	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	91	466553	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	98	821237	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	97	842129	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	96	721607	4.00	
$ 7 2-Fluorophenol	112	4.503	4.434	0.069	90	74048	1.16	
$ 8 Phenol-d5	99	5.391	5.380	0.011	95	91729	1.13	
$ 9 Nitrobenzene-d5	82	6.231	6.226	0.005	84	49104	0.7020	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	105817	0.6991	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	82	17672	0.9156	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	96	123736	0.7934	
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					
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					

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					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					
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					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					9
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	68	10872	0.2621	
175 Benzo[a]anthracene	228		12.040					9
176 Chrysene	228		12.088					9
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					9
187 Dibenz(a,h)anthracene	278		15.650					
188 Benzo[g,h,i]perylene	276		16.030					9

QC Flag Legend

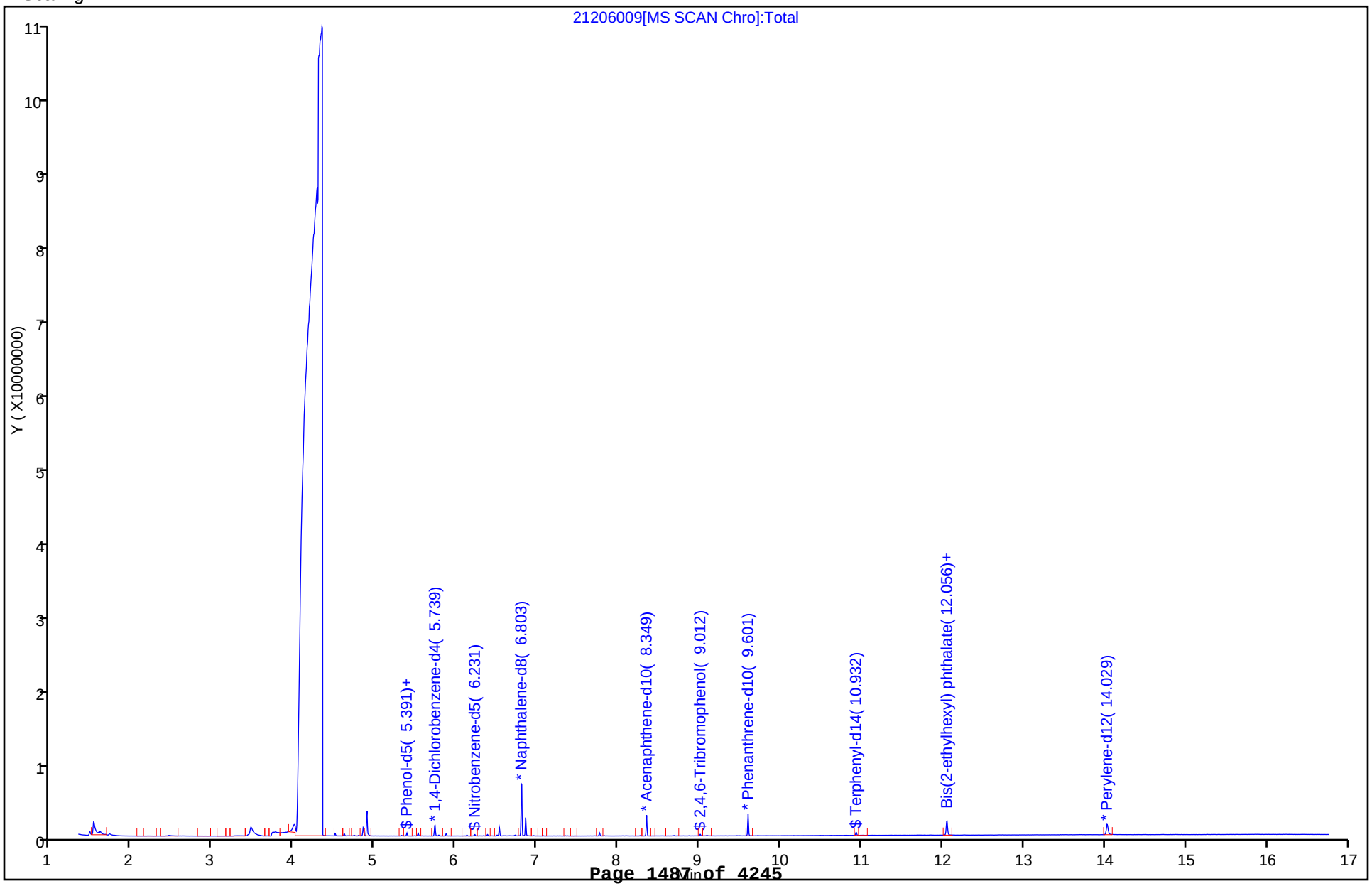
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 07-Dec-2012 12:54:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206009.D		
Injection Date:	06-Dec-2012 12:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0064M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	9
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0065M-0001-SO | Lab Sample ID: 240-17796-27

Matrix: Solid | Lab File ID: 21206016.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.99(g) | Date Analyzed: 12/06/2012 14:47

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	32		17	8.3	8.3
50-32-8	Benzo[a]pyrene	39		17	8.3	8.3
205-99-2	Benzo[b]fluoranthene	43		17	8.3	8.3
191-24-2	Benzo[g,h,i]perylene	21		17	8.3	8.3
65-85-0	Benzoic acid	830	U	1700	830	830
207-08-9	Benzo[k]fluoranthene	9.4	J M	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	50	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	8.3	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	29		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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0065M-0001-SO | Lab Sample ID: 240-17796-27

Matrix: Solid | Lab File ID: 21206016.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.99(g) | Date Analyzed: 12/06/2012 14:47

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	59		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	26		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	34		17	8.3	8.3
108-95-2	Phenol	68	U	130	68	68
129-00-0	Pyrene	43		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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0065M-0001-SO | Lab Sample ID: 240-17796-27

Matrix: Solid | Lab File ID: 21206016.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:40

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.99(g) | Date Analyzed: 12/06/2012 14:47

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)	70		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	62		35-100
4165-62-2	Phenol-d5 (Surr)	70		40-100
1718-51-0	Terphenyl-d14 (Surr)	72		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	68		35-125

Report Date: 07-Dec-2012 12:54:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D
Lims ID: 240-17796-E-27-B
Client ID: 076SB-0065M-0001-SO
Inject. Date: 06-Dec-2012 14:47:30
Dil. Factor: 2.5000
Sample Type: Client
Sample ID: 240-0015580-016
Misc. Info.: 240-17796-e-27-b
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 16
Lims Batch ID: 67544
Lims Sample ID: 16
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 16:29:41

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	194130	4.00	
* 2 Naphthalene-d8	136	6.862	6.857	0.005	98	773909	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	446359	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	98	773601	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	95	835295	4.00	
* 6 Perylene-d12	264	14.034	14.035	-0.001	96	695732	4.00	
$ 7 2-Fluorophenol	112	4.599	4.434	0.165	91	252860	4.21	
$ 8 Phenol-d5	99	5.407	5.380	0.027	90	322261	4.23	
$ 9 Nitrobenzene-d5	82	6.236	6.226	0.010	88	169315	2.49	
$ 10 2-Fluorobiphenyl (Surr)	172	7.771	7.766	0.005	99	372258	2.57	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	92	74900	4.06	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	98	448147	2.90	
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					
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					9
77 Hexachlorobutadiene	225		6.974					
84 4-Chloro-3-methylphenol	107		7.311					9
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					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					
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					9
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	84	42508	0.2011	
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	93	83111	0.3561	
160 Pyrene	202	10.820	10.820	0.0	96	68264	0.2561	
166 Butyl benzyl phthalate	149		11.387					
173 3,3'-Dichlorobenzidine	252		11.997					9
171 Bis(2-ethylhexyl) phthalate	149	12.023	12.018	0.005	68	16156	0.2971	
175 Benzo[a]anthracene	228	12.045	12.040	0.005	71	44991	0.1930	
176 Chrysene	228	12.088	12.088	0.0	61	38589	0.1737	
178 Di-n-octyl phthalate	149		12.879					
180 Benzo[b]fluoranthene	252	13.473	13.473	0.0	93	57625	0.2596	
181 Benzo[k]fluoranthene	252	13.516	13.510	0.006	96	13601	0.0564	M
182 Benzo[a]pyrene	252	13.954	13.954	0.0	51	26667	0.2317	
186 Indeno[1,2,3-cd]pyrene	276	15.623	15.628	-0.005	85	18414	0.1557	
187 Dibenz(a,h)anthracene	278		15.650					
188 Benzo[g,h,i]perylene	276	16.019	16.030	-0.011	73	25059	0.1258	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

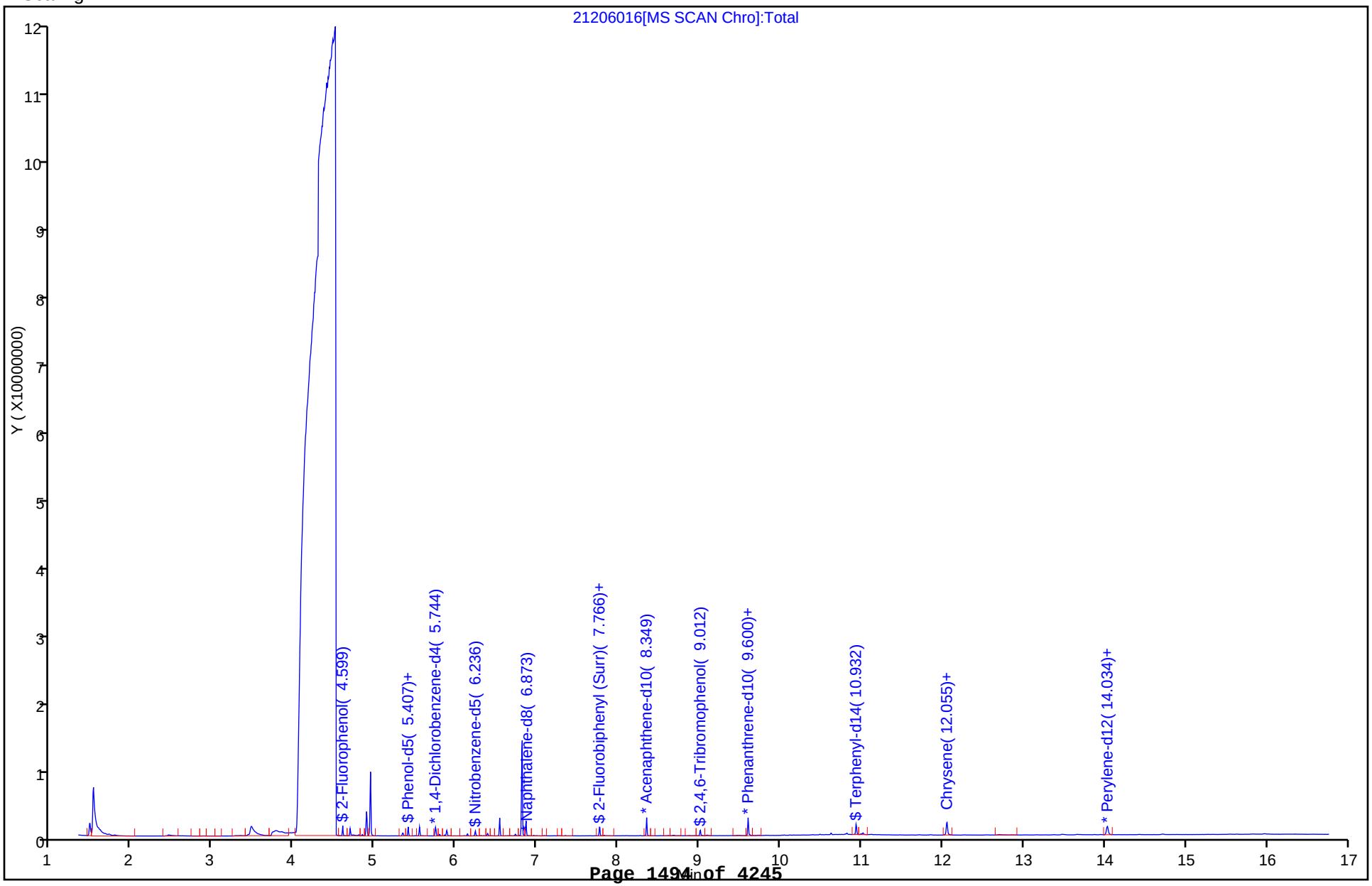
Review Flags
M - Manually Integrated

Report Date: 07-Dec-2012 12:54:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D		
Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

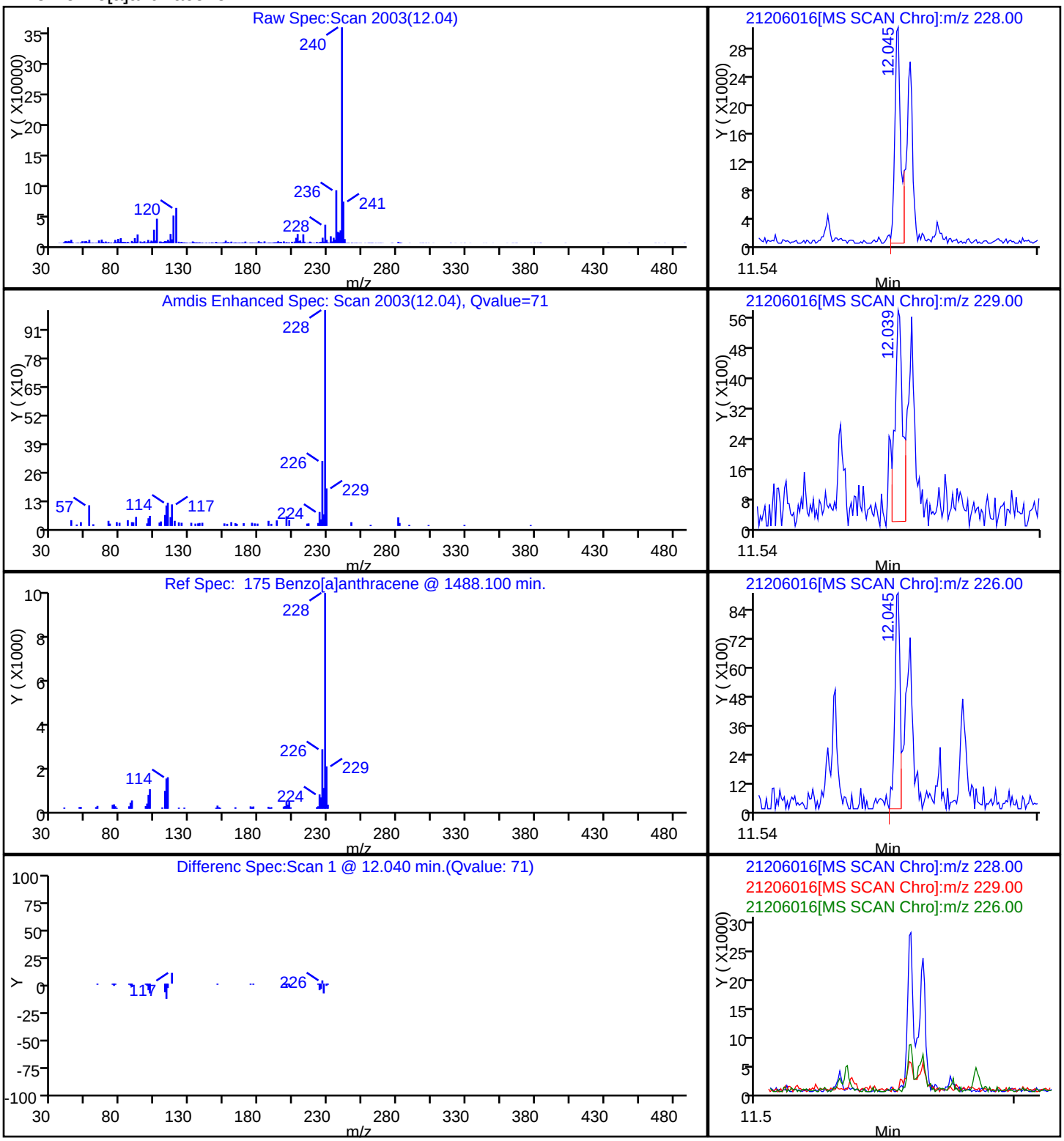


Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D		
Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene



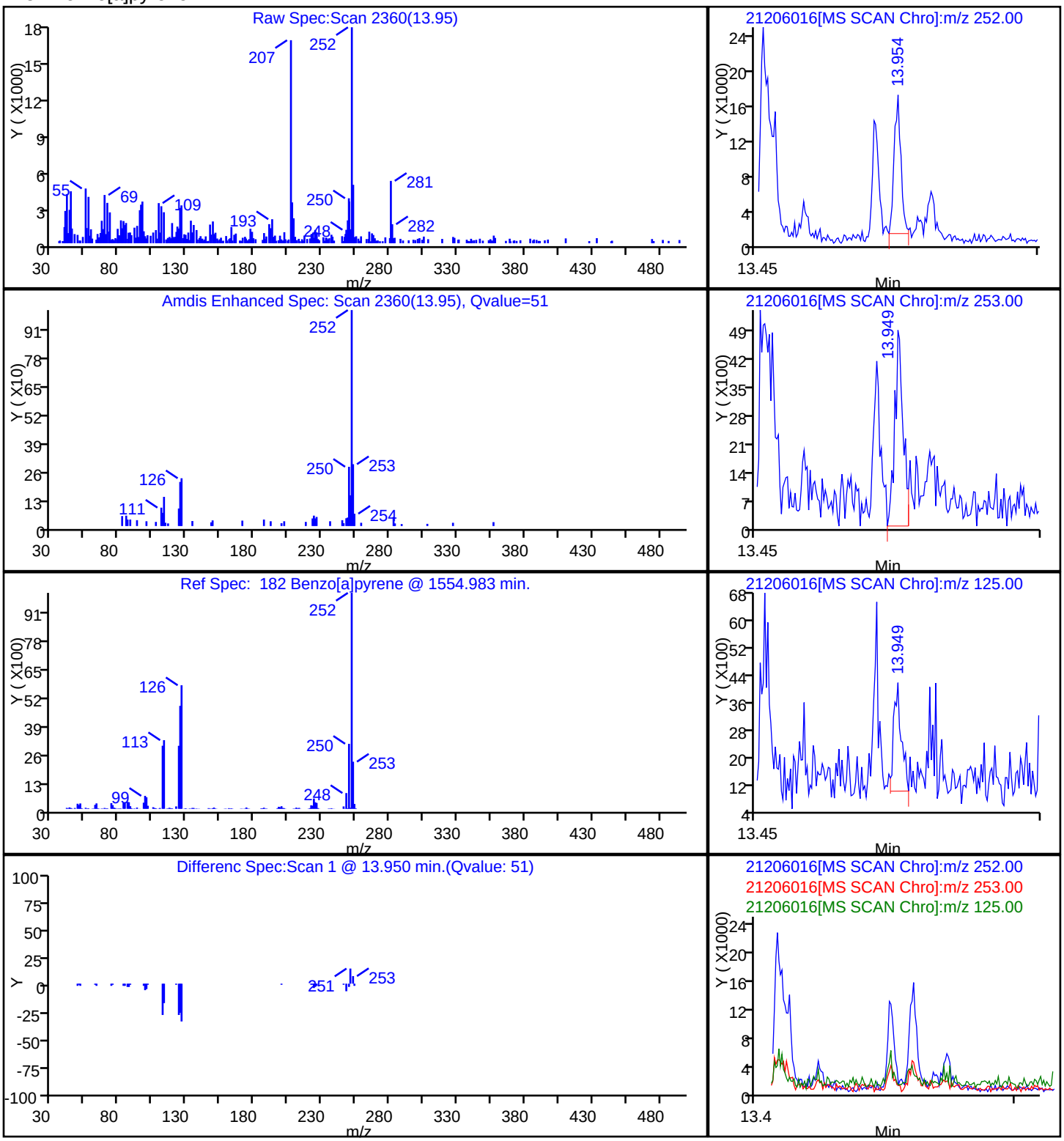
Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D

Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene



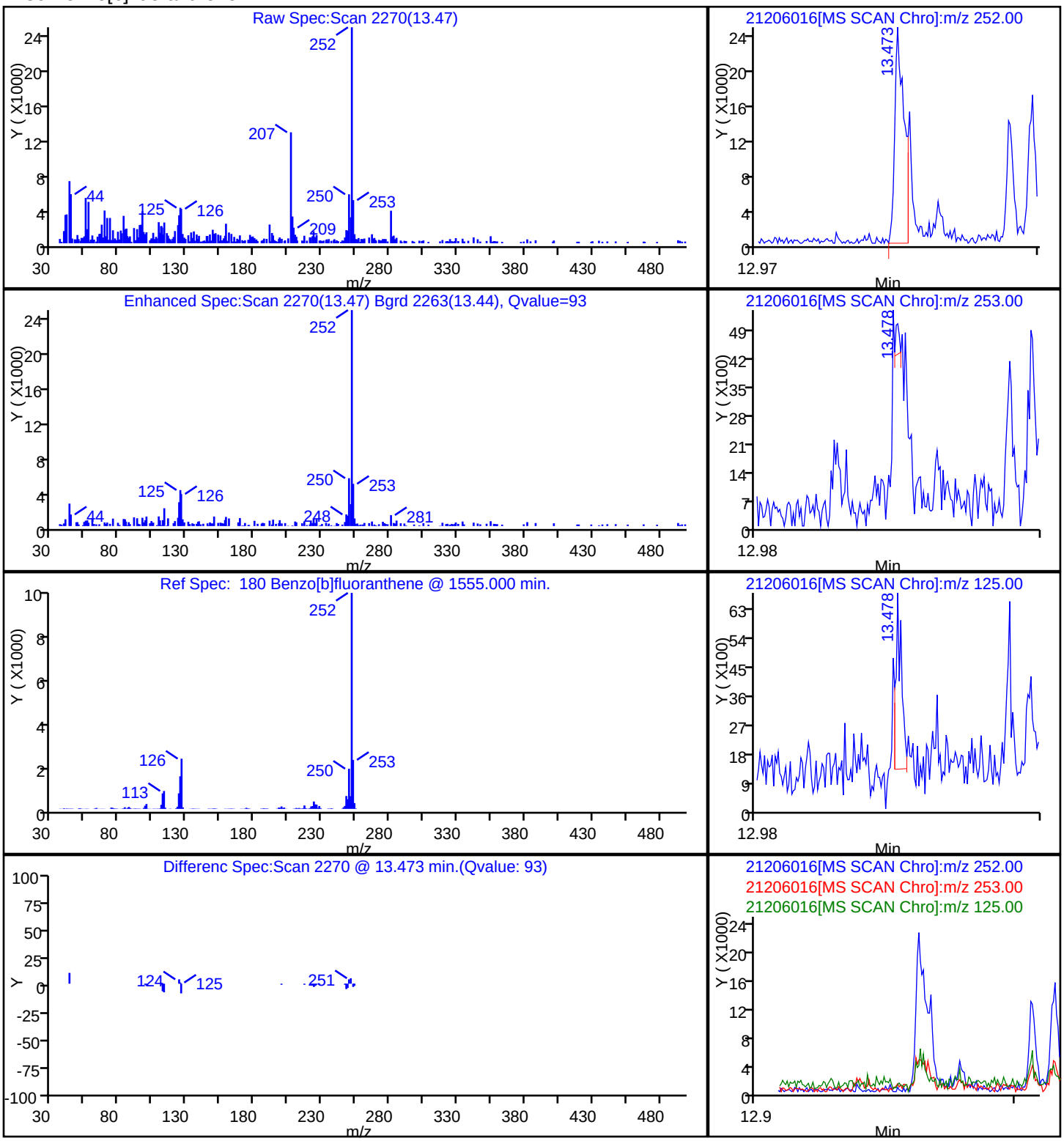
Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D

Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene



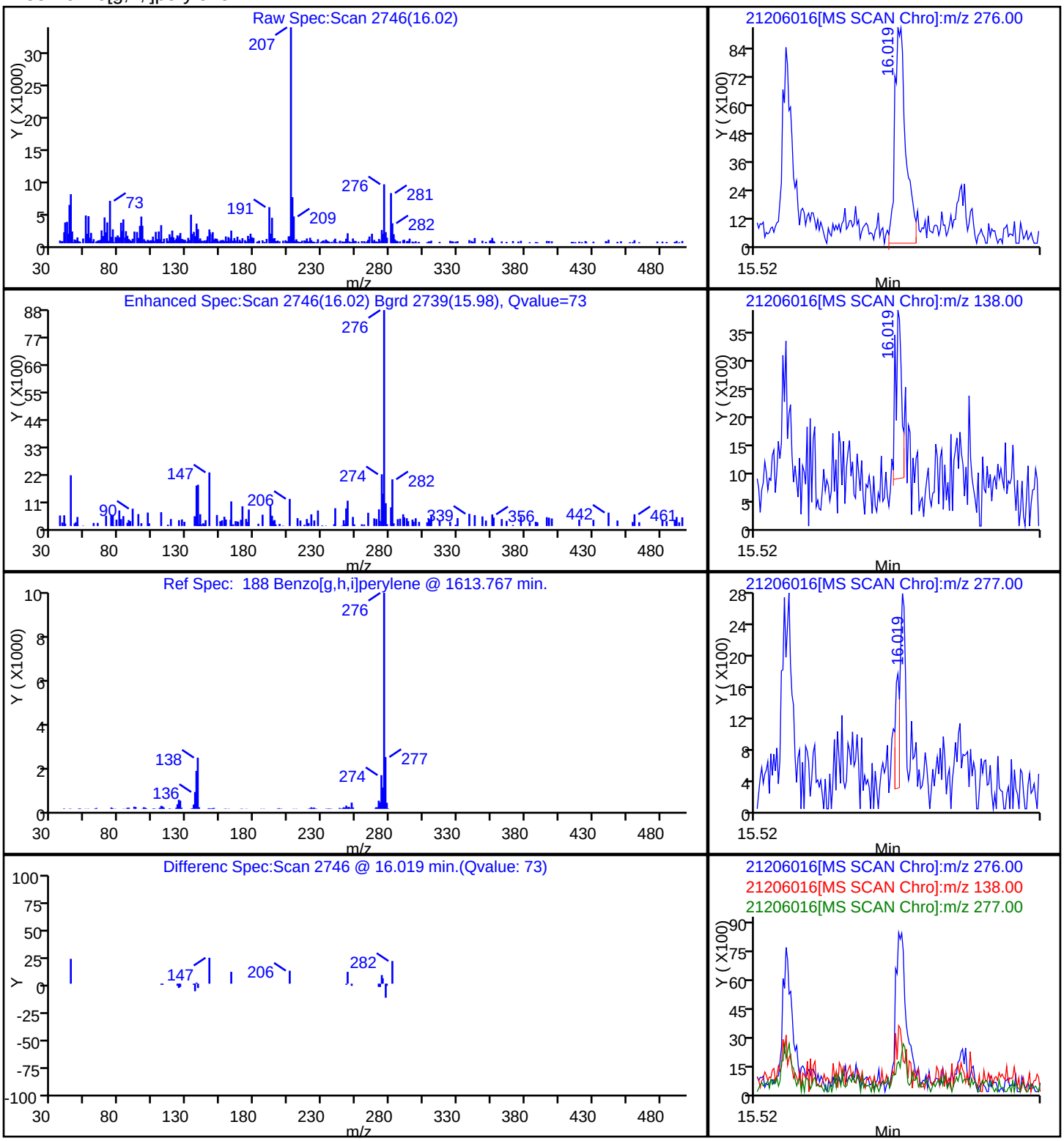
Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D

Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene

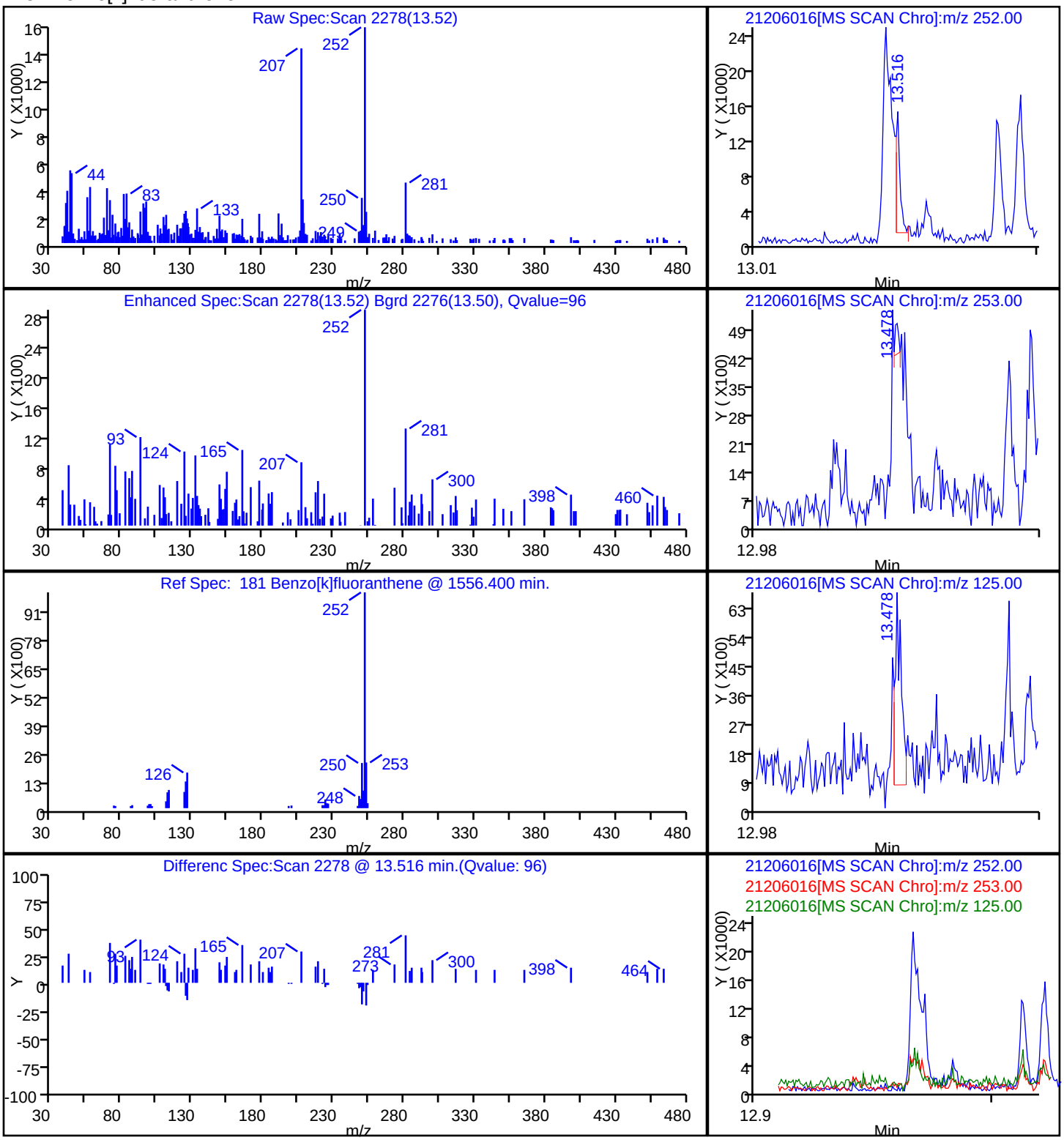


Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D		
Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene

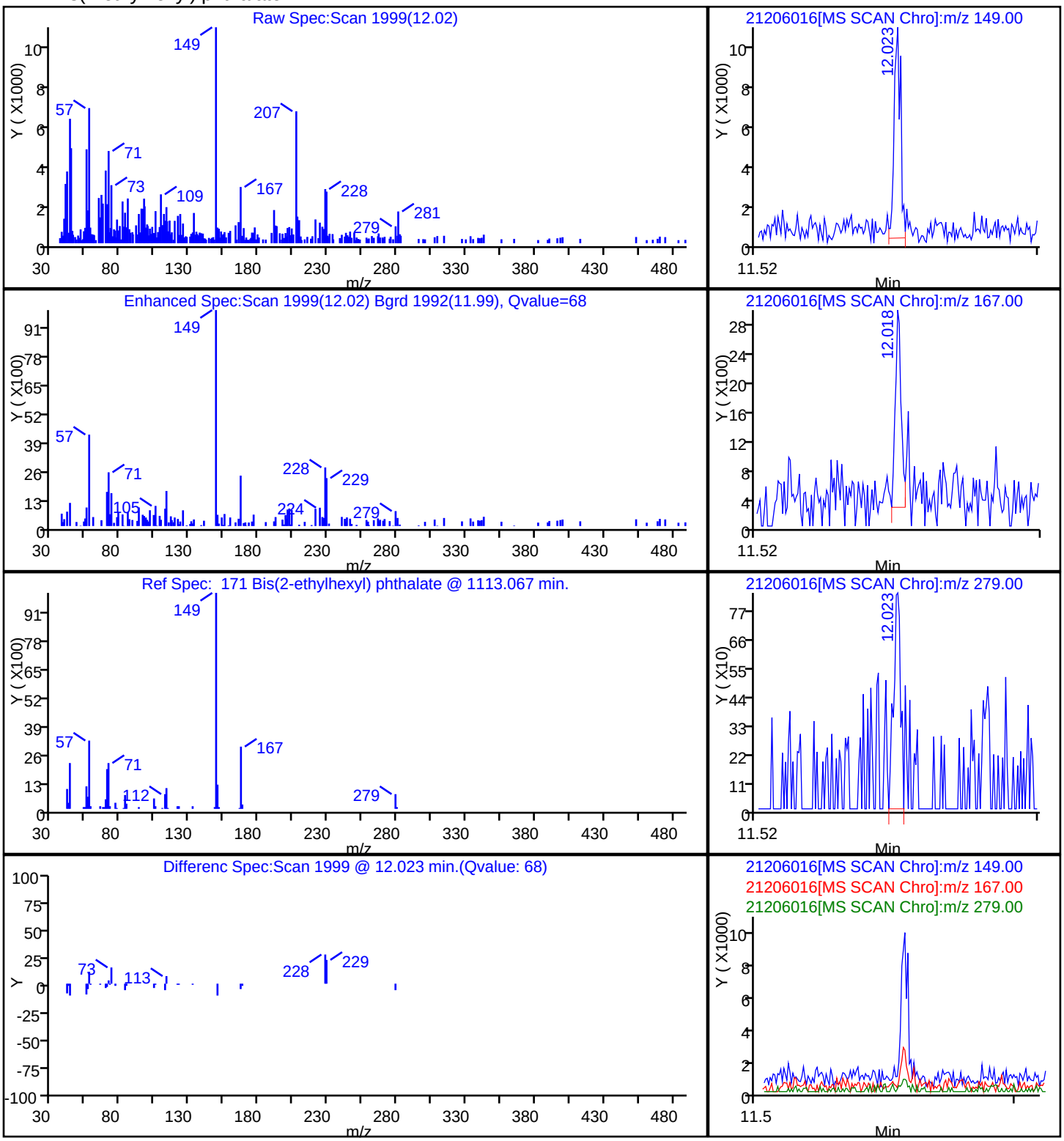


Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D		
Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



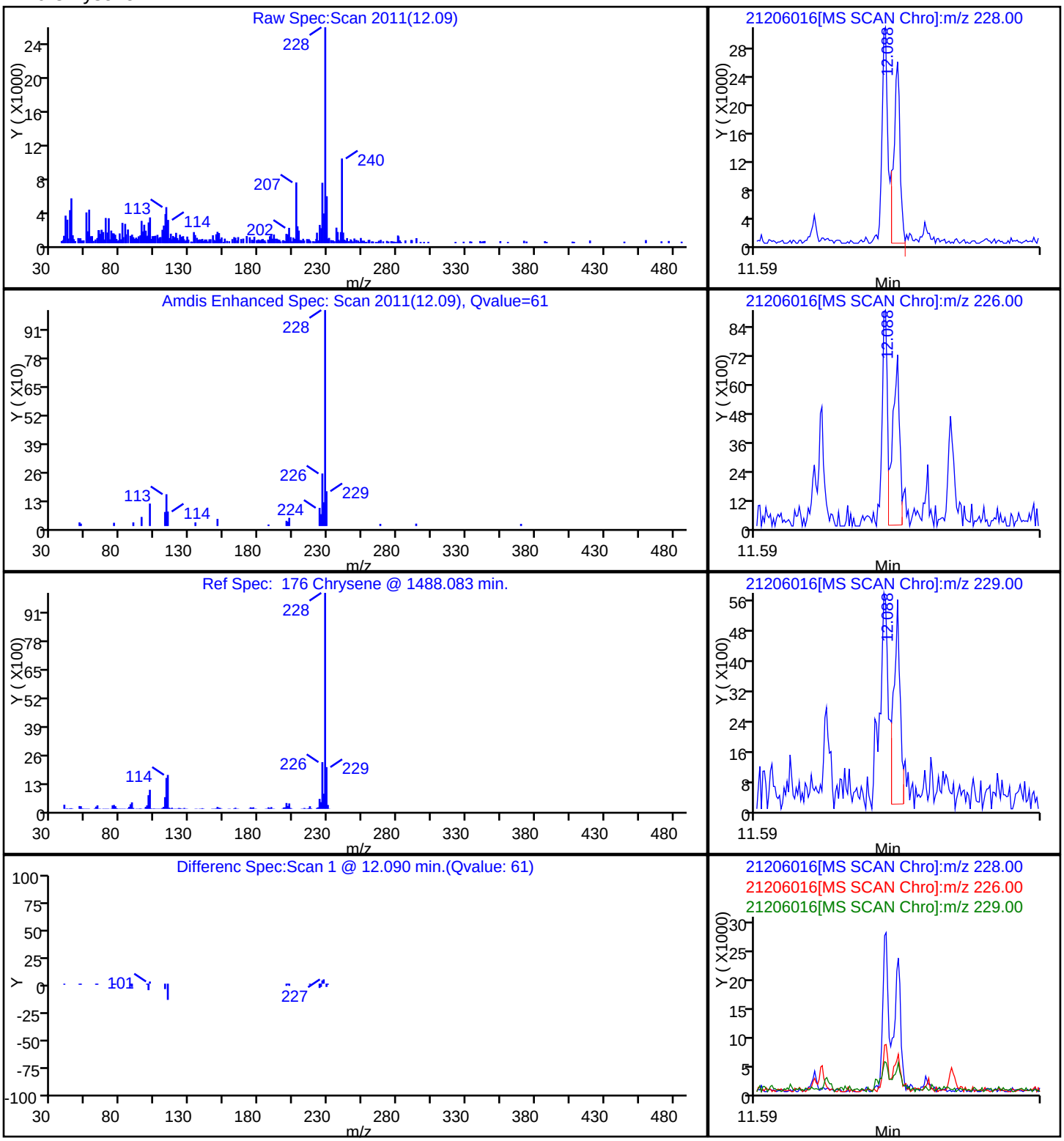
Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D

Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene



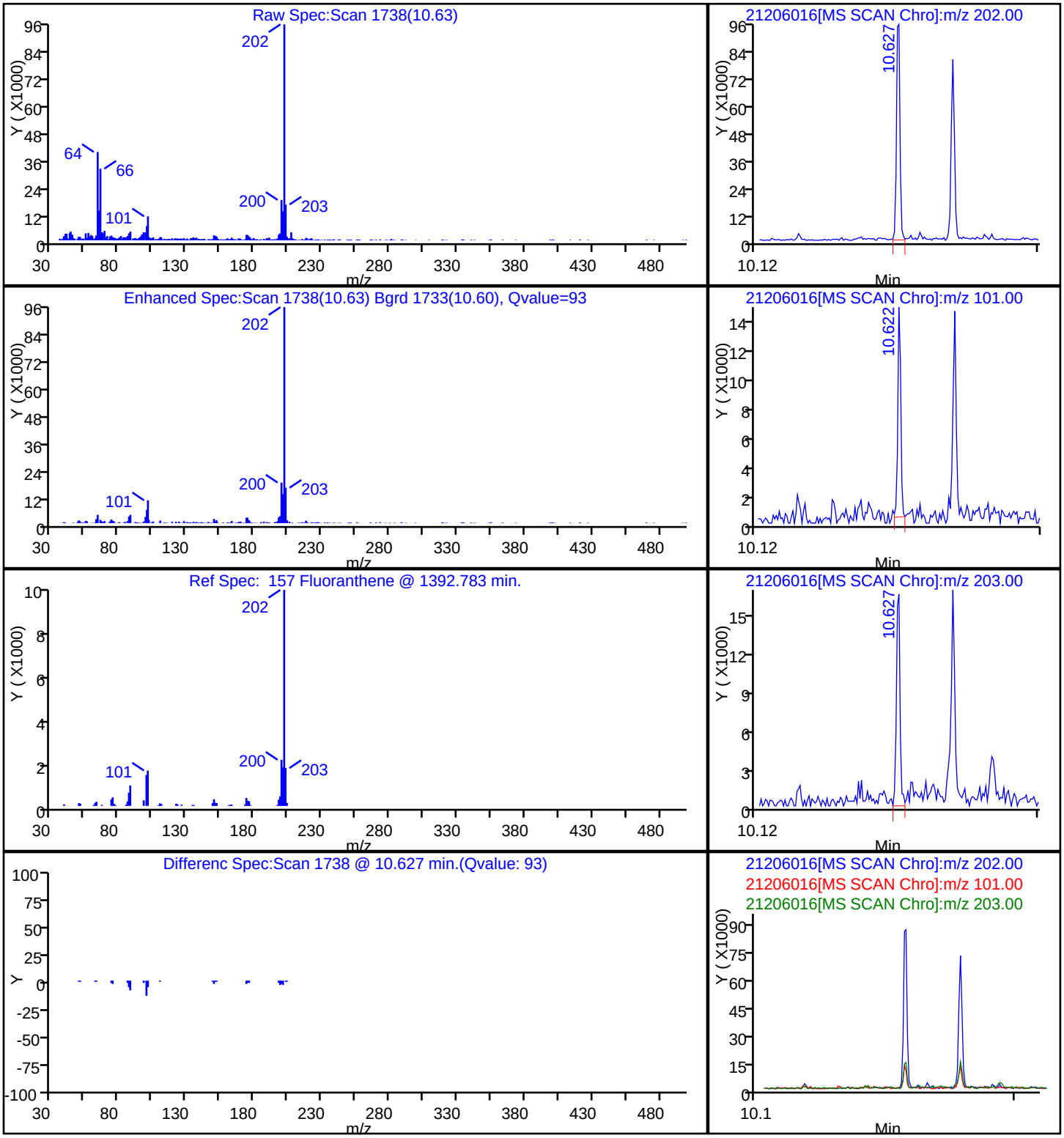
Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D

Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene



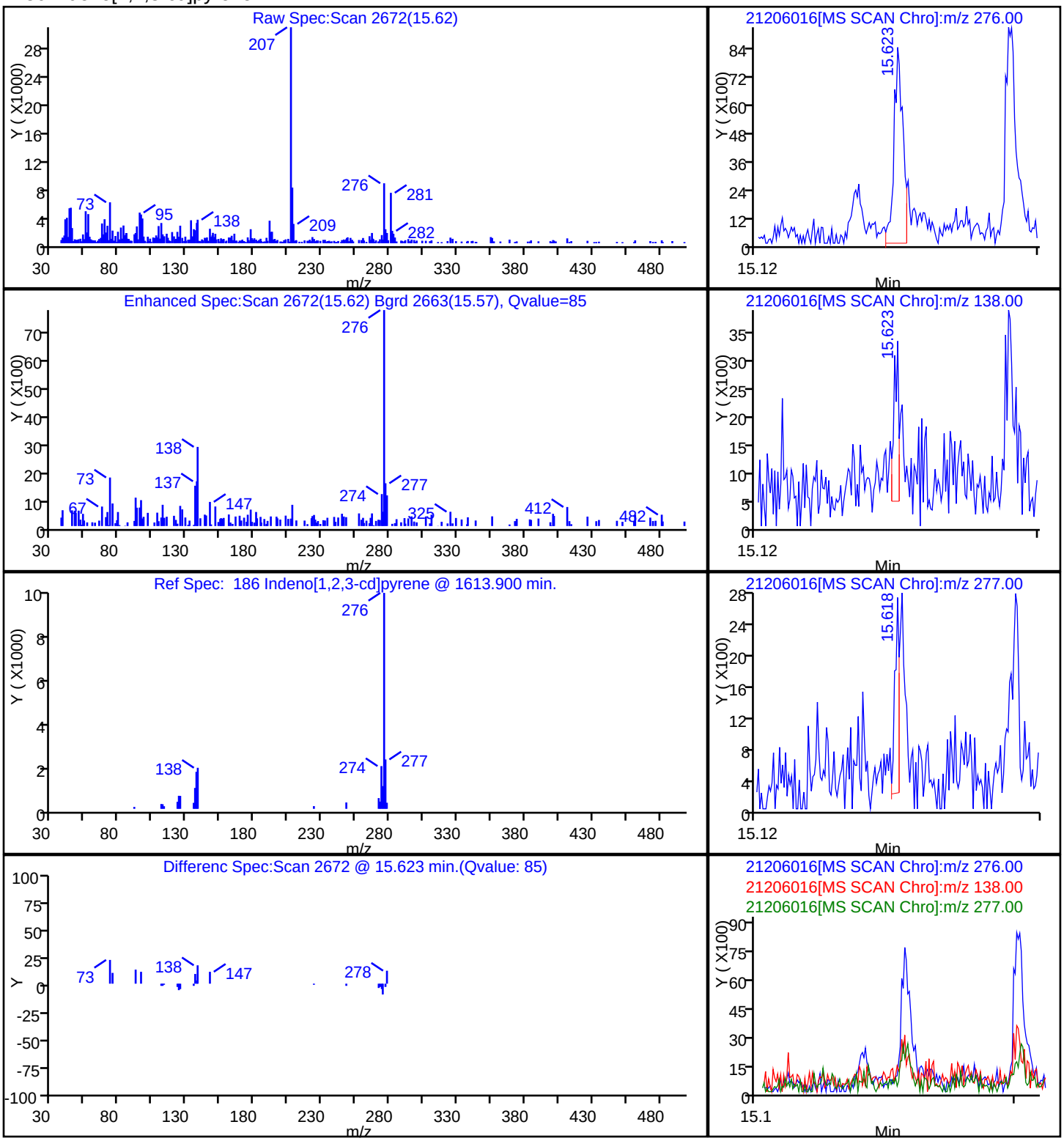
Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D

Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene



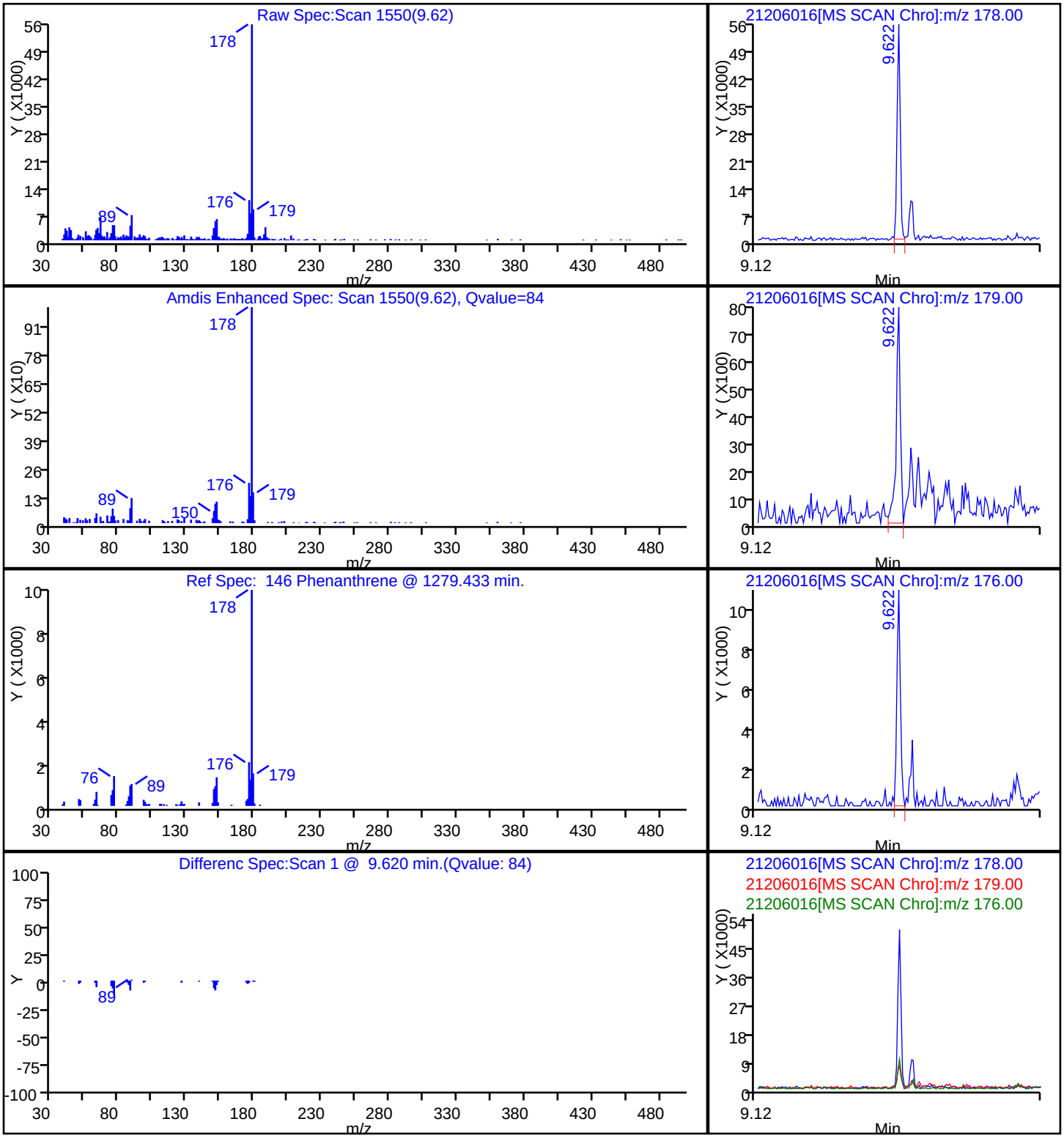
Report Date: 07-Dec-2012 12:54:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D

Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene



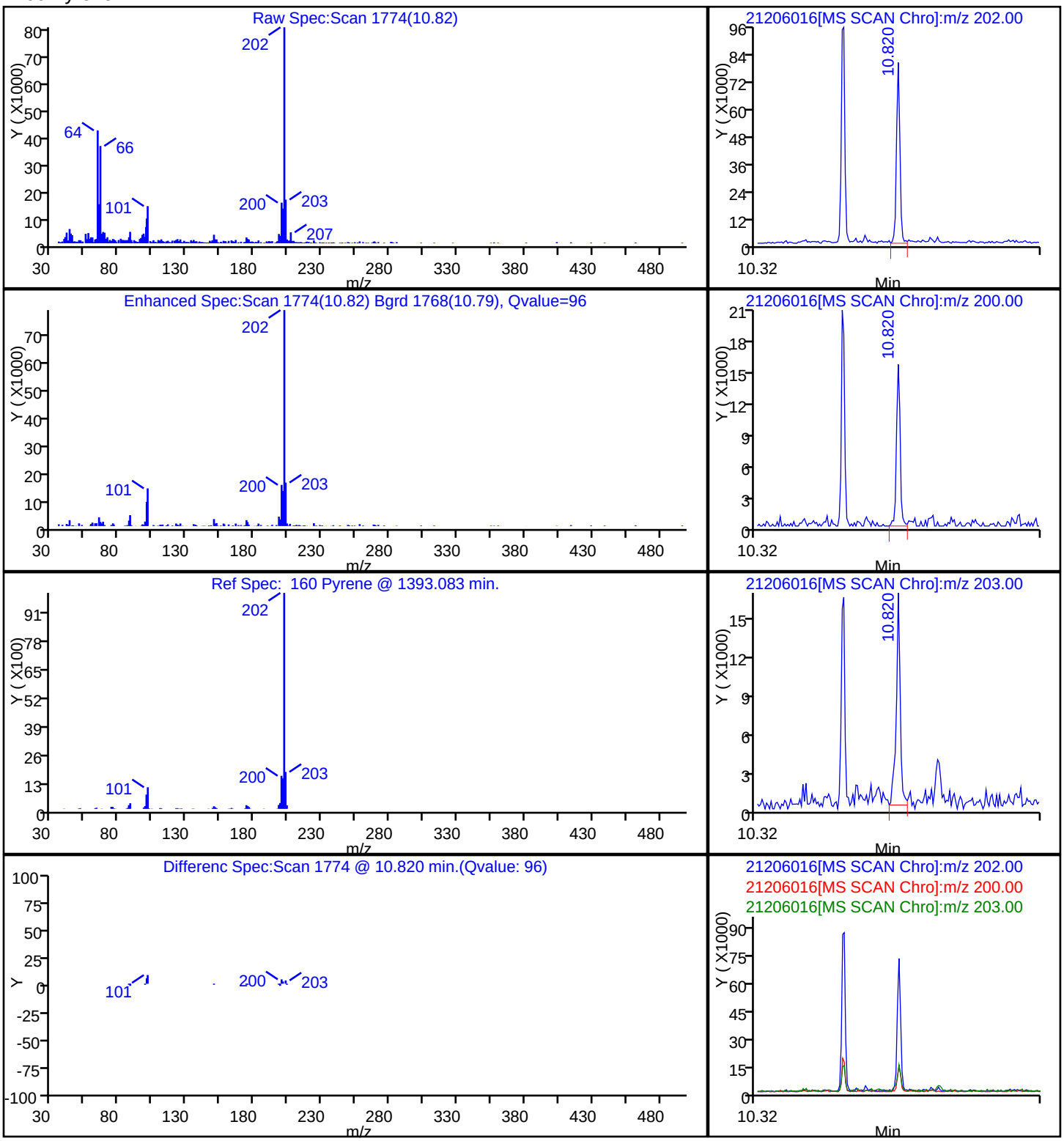
Report Date: 07-Dec-2012 12:54:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D

Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
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

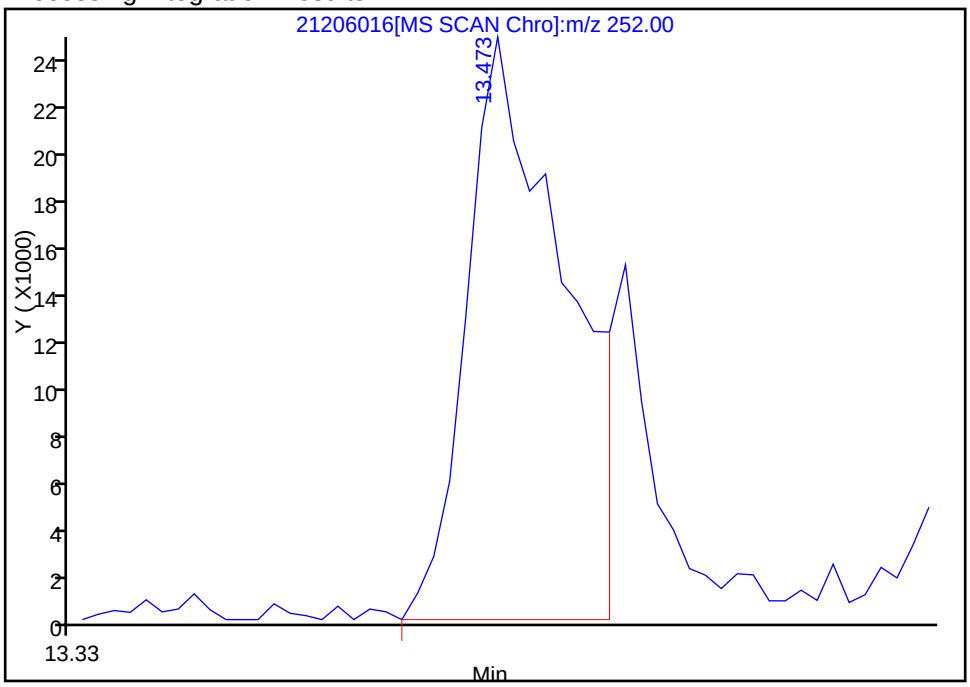
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206016.D		
Injection Date:	06-Dec-2012 14:47:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0065M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	16
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.51

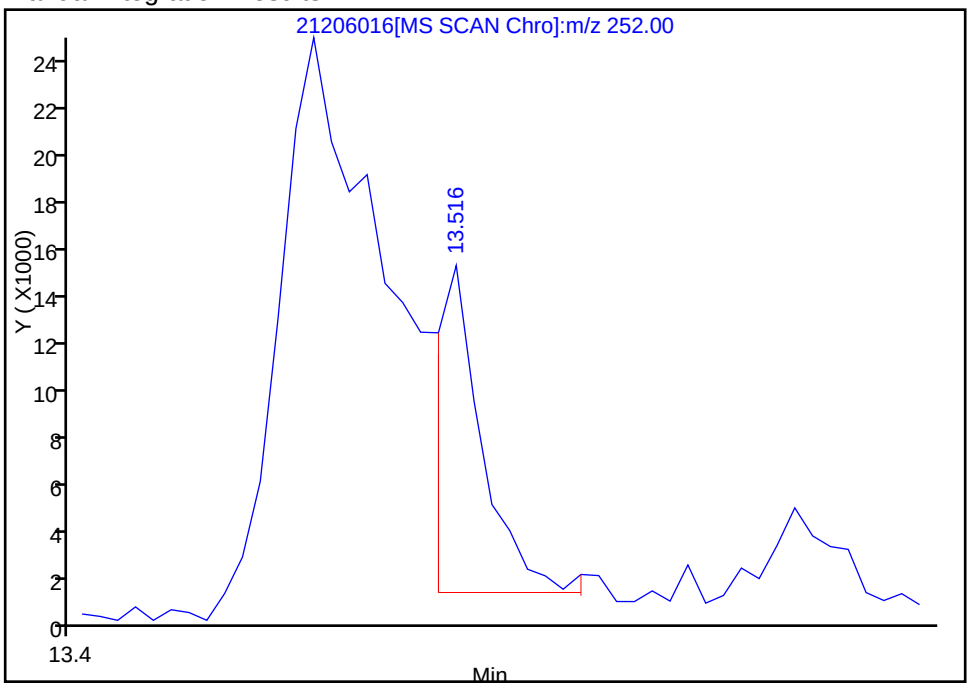
Processing Integration Results

RT: 13.47
Response: 57625
Amount: 0.238942



Manual Integration Results

RT: 13.52
Response: 13601
Amount: 0.056397



Reviewer: gruberj, 06-Dec-2012 16:29:41
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0066M-0001-SO | Lab Sample ID: 240-17796-28

Matrix: Solid | Lab File ID: 21206010.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 16:50

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 12:27

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	130	D	67	33	33
50-32-8	Benzo[a]pyrene	170	D	67	33	33
205-99-2	Benzo[b]fluoranthene	190	D	67	33	33
191-24-2	Benzo[g,h,i]perylene	68	D M	67	33	33
65-85-0	Benzoic acid	3300	U	6600	3300	3300
207-08-9	Benzo[k]fluoranthene	45	J D M	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	140	D	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0066M-0001-SO | Lab Sample ID: 240-17796-28

Matrix: Solid | Lab File ID: 21206010.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 16:50

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 12:27

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	260	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	100	D	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	140	D	67	33	33
108-95-2	Phenol	270	U	500	270	270
129-00-0	Pyrene	190	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0066M-0001-SO | Lab Sample ID: 240-17796-28

Matrix: Solid | Lab File ID: 21206010.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 16:50

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.00(g) | Date Analyzed: 12/06/2012 12:27

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)	68		45-105
367-12-4	2-Fluorophenol (Surr)	67		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	59		35-100
4165-62-2	Phenol-d5 (Surr)	68		40-100
1718-51-0	Terphenyl-d14 (Surr)	73		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	55		35-125

Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D
Lims ID: 240-17796-B-28-B Client ID: 076SB-0066M-0001-SO
Inject. Date: 06-Dec-2012 12:27:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015580-010
Misc. Info.: 240-17796-b-28-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 67544 Lims Sample ID: 10
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 10:48:59

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	184859	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	718564	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	414029	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	98	744575	4.00	
* 5 Chrysene-d12	240	12.050	12.056	-0.006	97	762982	4.00	
* 6 Perylene-d12	264	14.034	14.035	-0.001	97	651497	4.00	
$ 7 2-Fluorophenol	112	4.492	4.434	0.058	88	57434	1.01	
$ 8 Phenol-d5	99	5.391	5.380	0.011	89	73829	1.02	
$ 9 Nitrobenzene-d5	82	6.225	6.226	-0.001	91	37065	0.5867	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	98	90668	0.6750	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	78	14081	0.8221	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	97	102641	0.7264	
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					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					9
60 Hexachloroethane	117		6.188					
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					
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					9
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					9
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					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					
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	88	41453	0.2038	
147 Anthracene	178		9.665					
149 Carbazole	167		9.793					9
151 Di-n-butyl phthalate	149		10.055					
157 Fluoranthene	202	10.622	10.622	0.0	96	87065	0.3876	
160 Pyrene	202	10.820	10.820	0.0	96	71163	0.2923	
166 Butyl benzyl phthalate	149		11.387					9
173 3,3'-Dichlorobenzidine	252		11.997					9
171 Bis(2-ethylhexyl) phthalate	149		12.018					
175 Benzo[a]anthracene	228	12.039	12.040	-0.001	85	40880	0.1920	
176 Chrysene	228	12.088	12.088	0.0	51	42322	0.2085	
178 Di-n-octyl phthalate	149		12.879					
180 Benzo[b]fluoranthene	252	13.478	13.473	0.005	90	58775	0.2828	
181 Benzo[k]fluoranthene	252	13.516	13.510	0.006	95	15259	0.0676	M
182 Benzo[a]pyrene	252	13.949	13.954	-0.005	62	31384	0.2622	
186 Indeno[1,2,3-cd]pyrene	276	15.628	15.628	0.0	82	17067	0.1549	
187 Dibenz(a,h)anthracene	278		15.650					
188 Benzo[g,h,i]perylene	276	16.024	16.030	-0.006	20	19033	0.1020	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

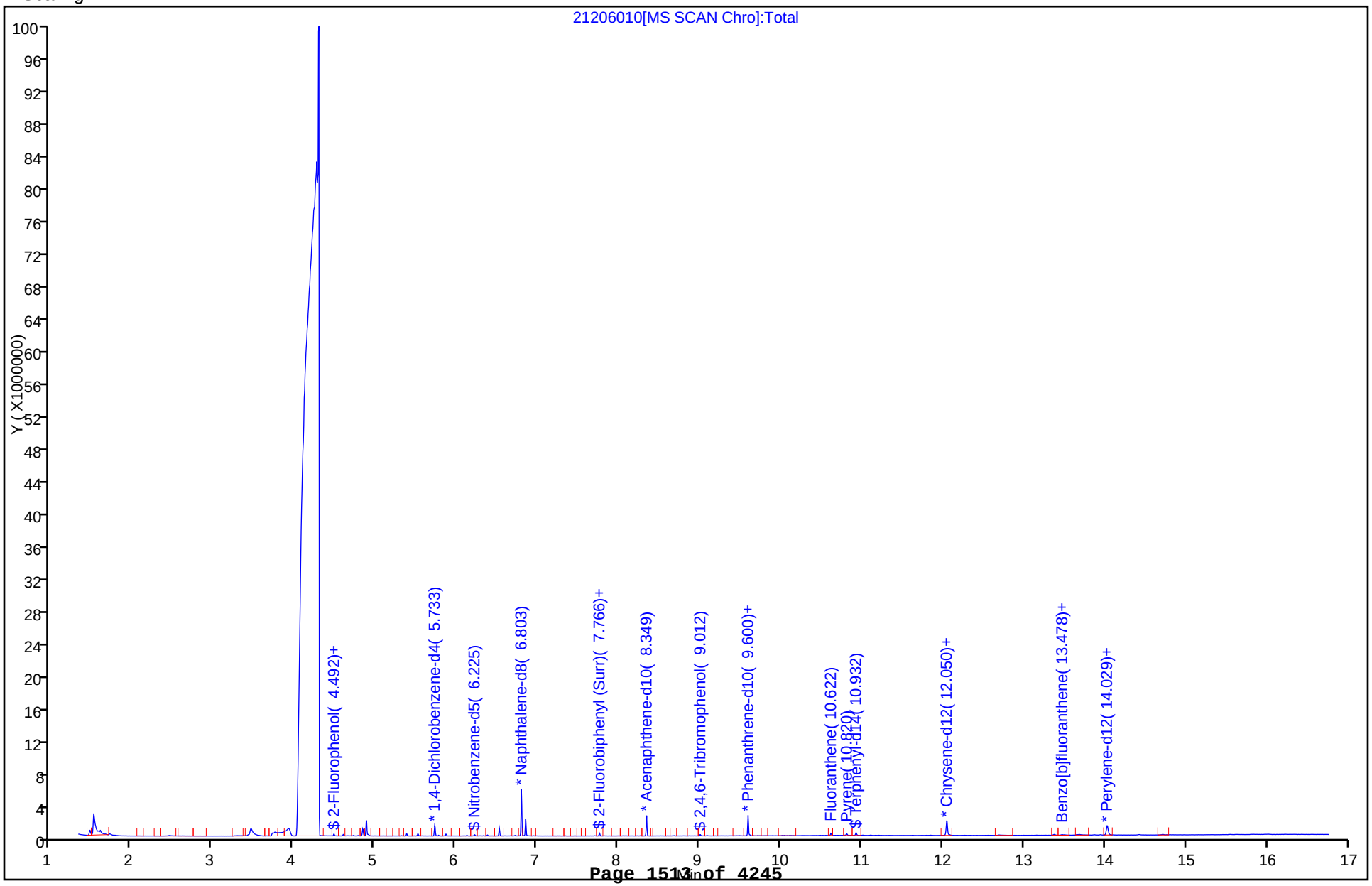
Review Flags
M - Manually Integrated

Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

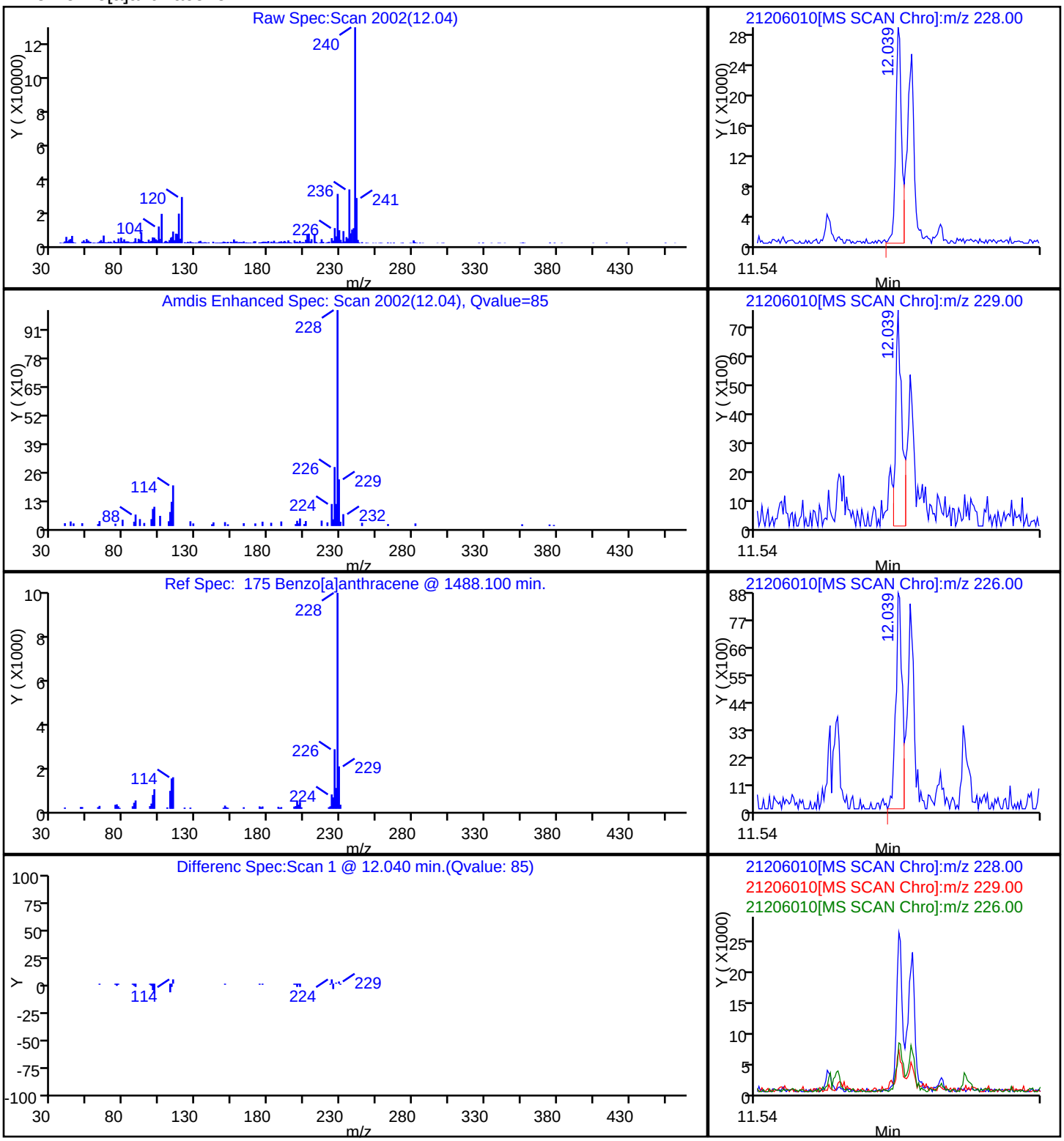


Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

175 Benzo[a]anthracene

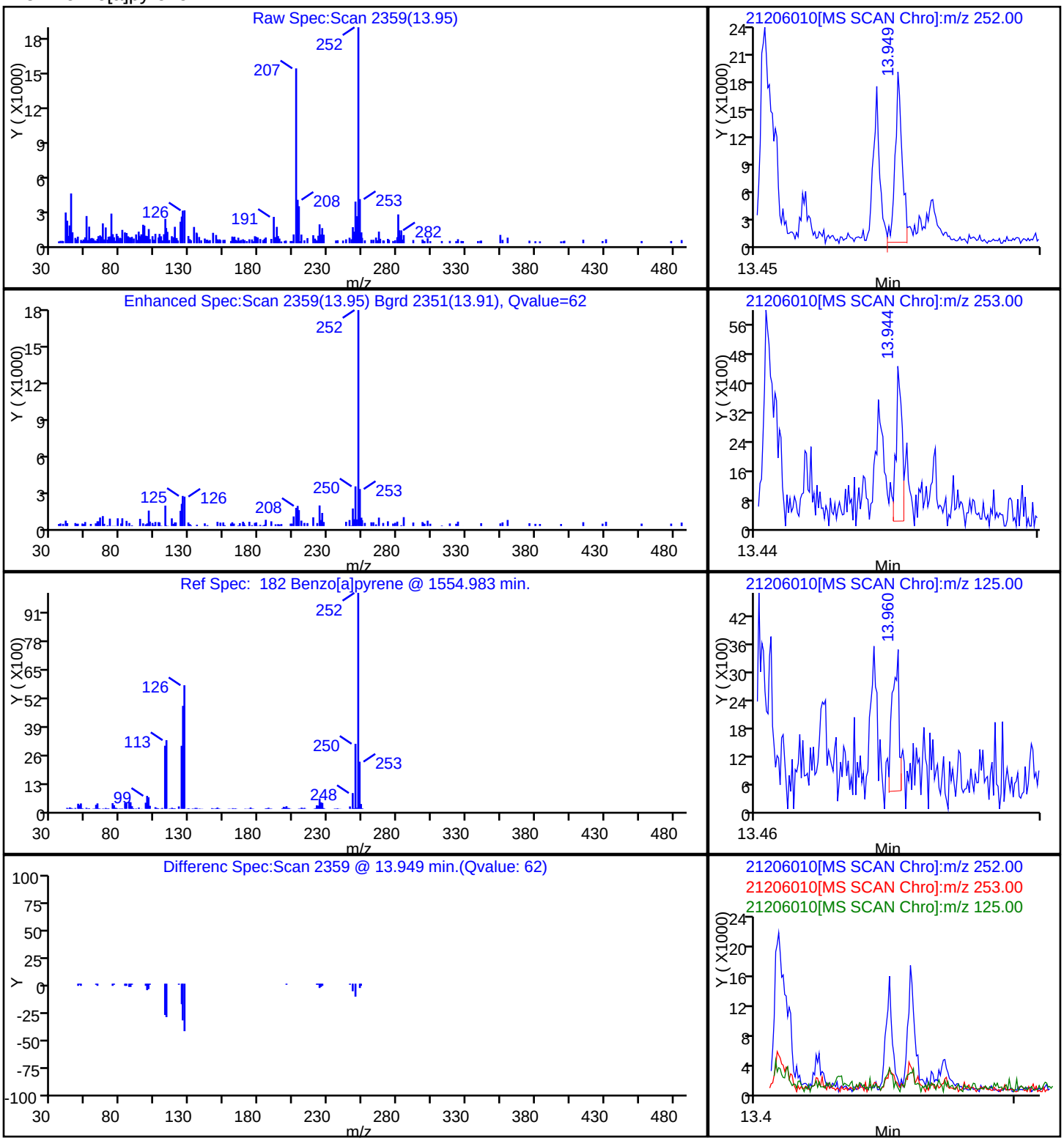


Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[a]pyrene

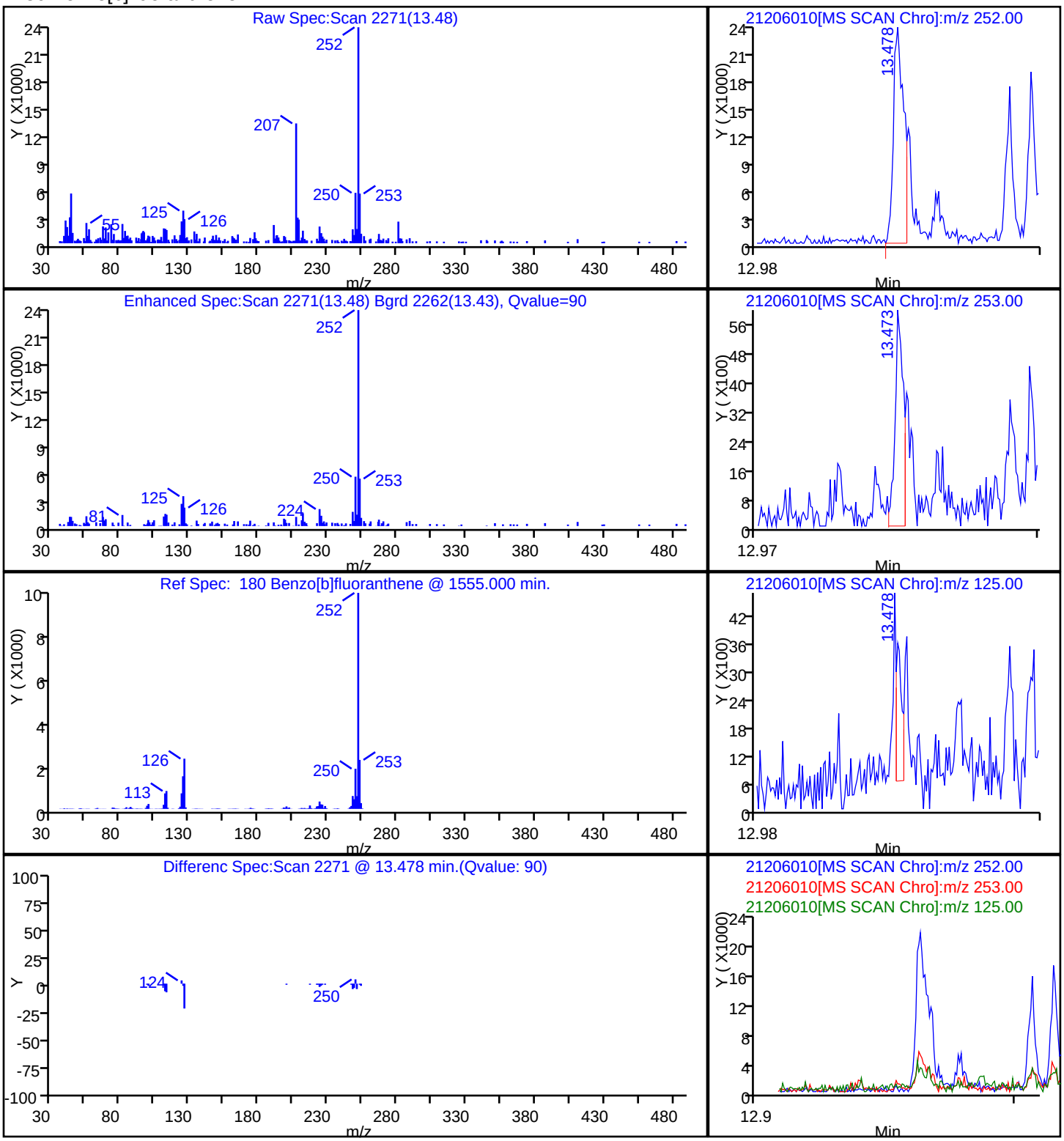


Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene

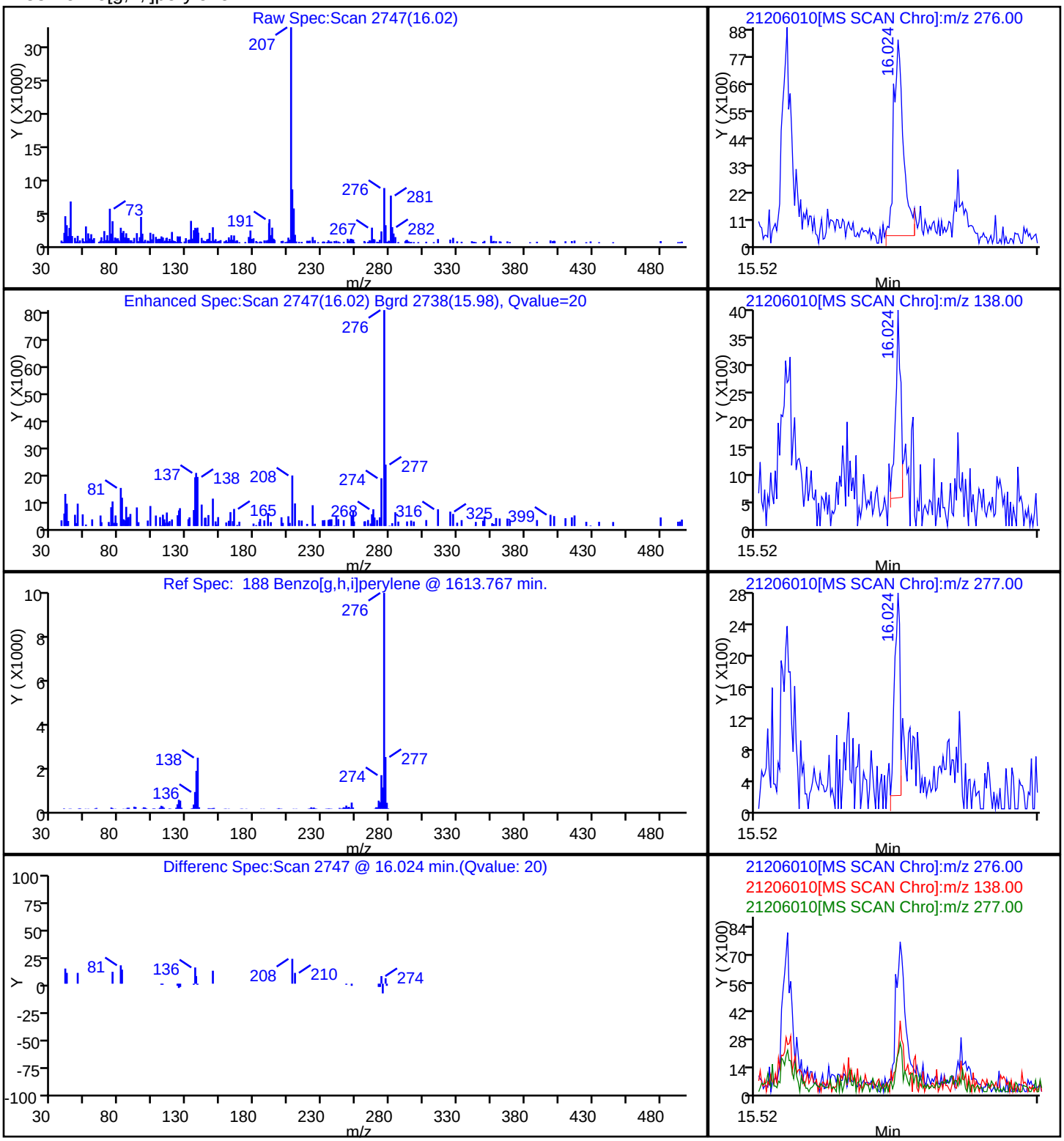


Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Benzo[g,h,i]perylene



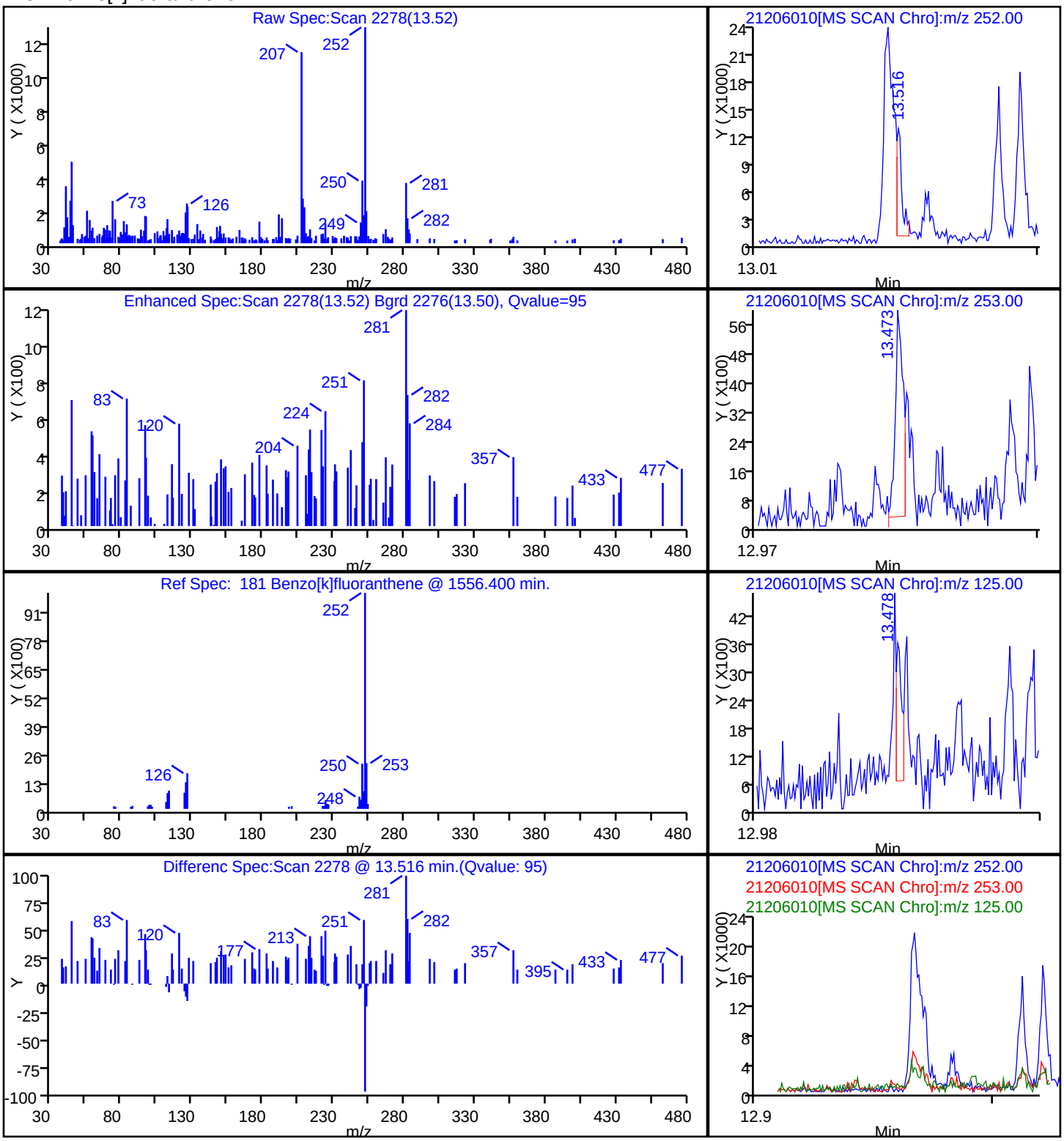
Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D

Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene



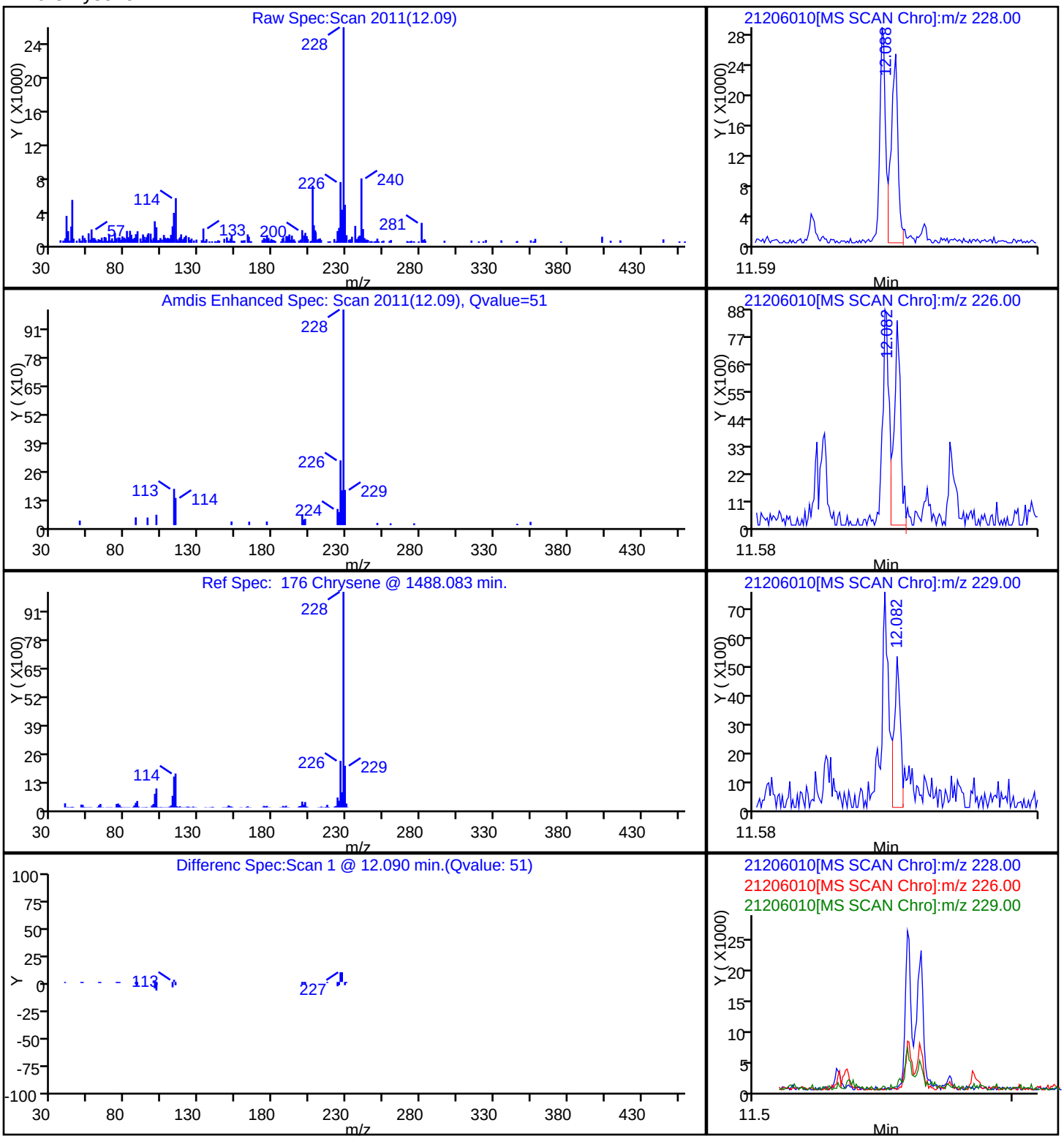
Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D

Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

176 Chrysene



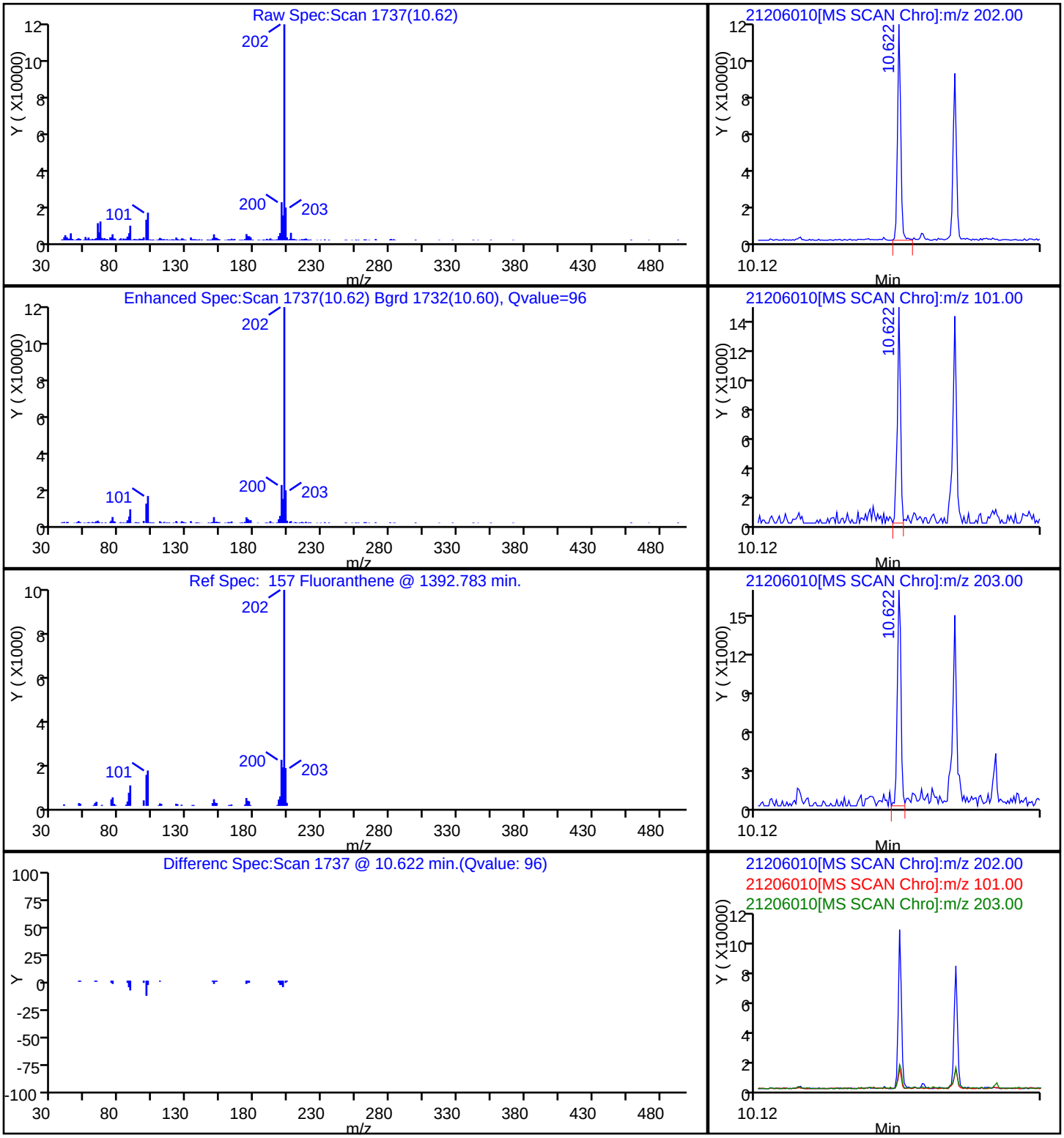
Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D

Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

157 Fluoranthene

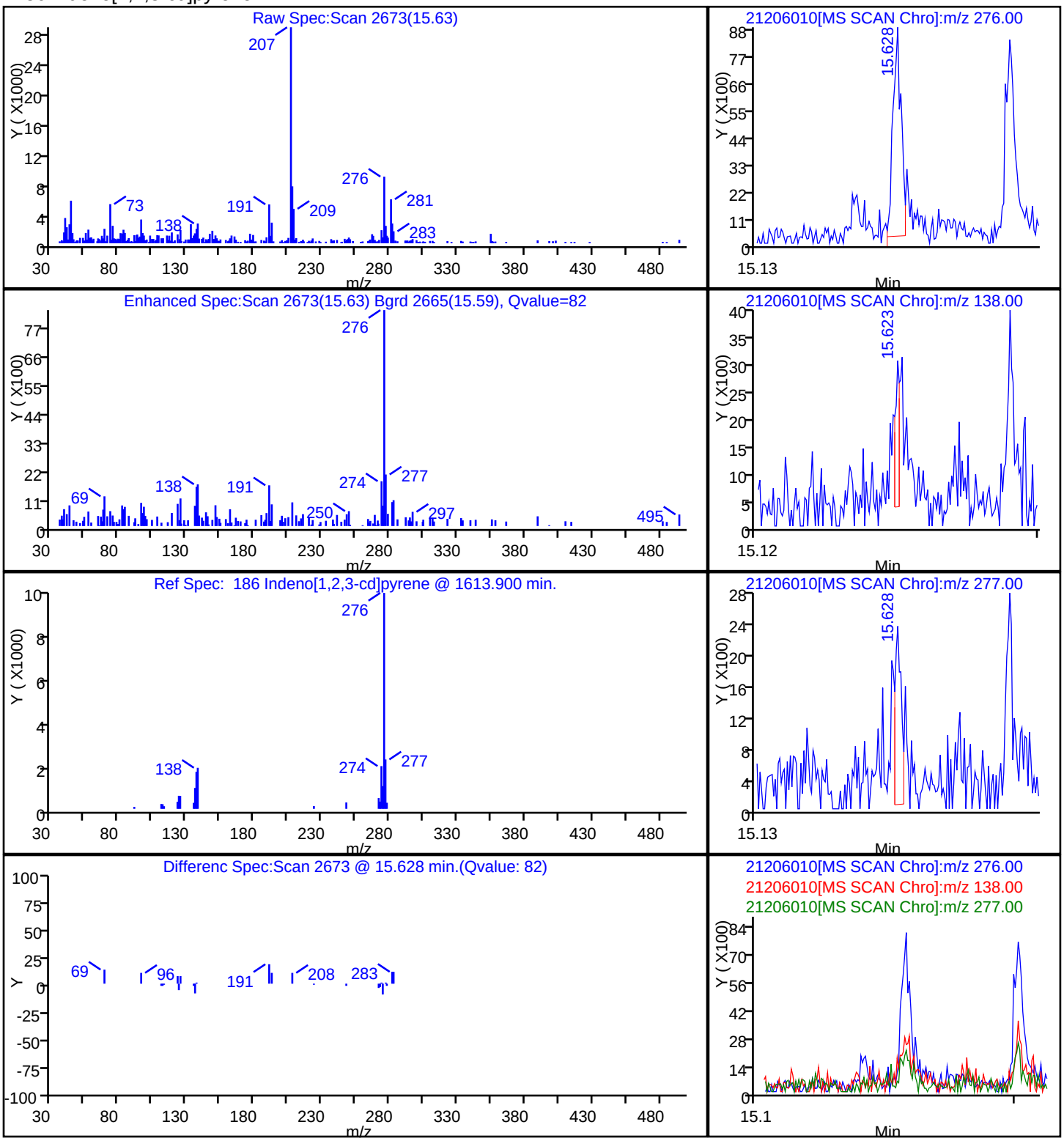


Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

186 Indeno[1,2,3-cd]pyrene



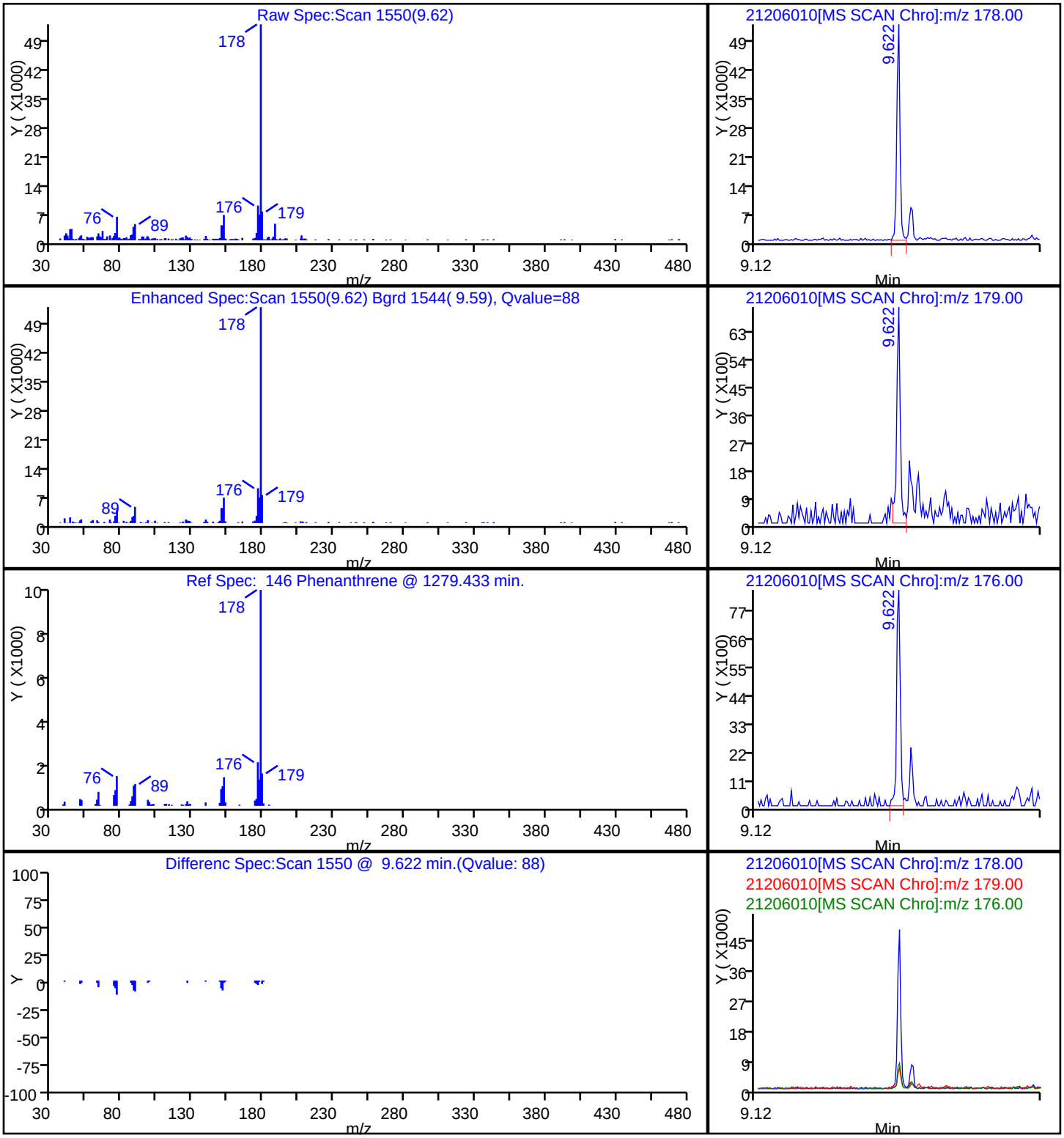
Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D

Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

146 Phenanthrene

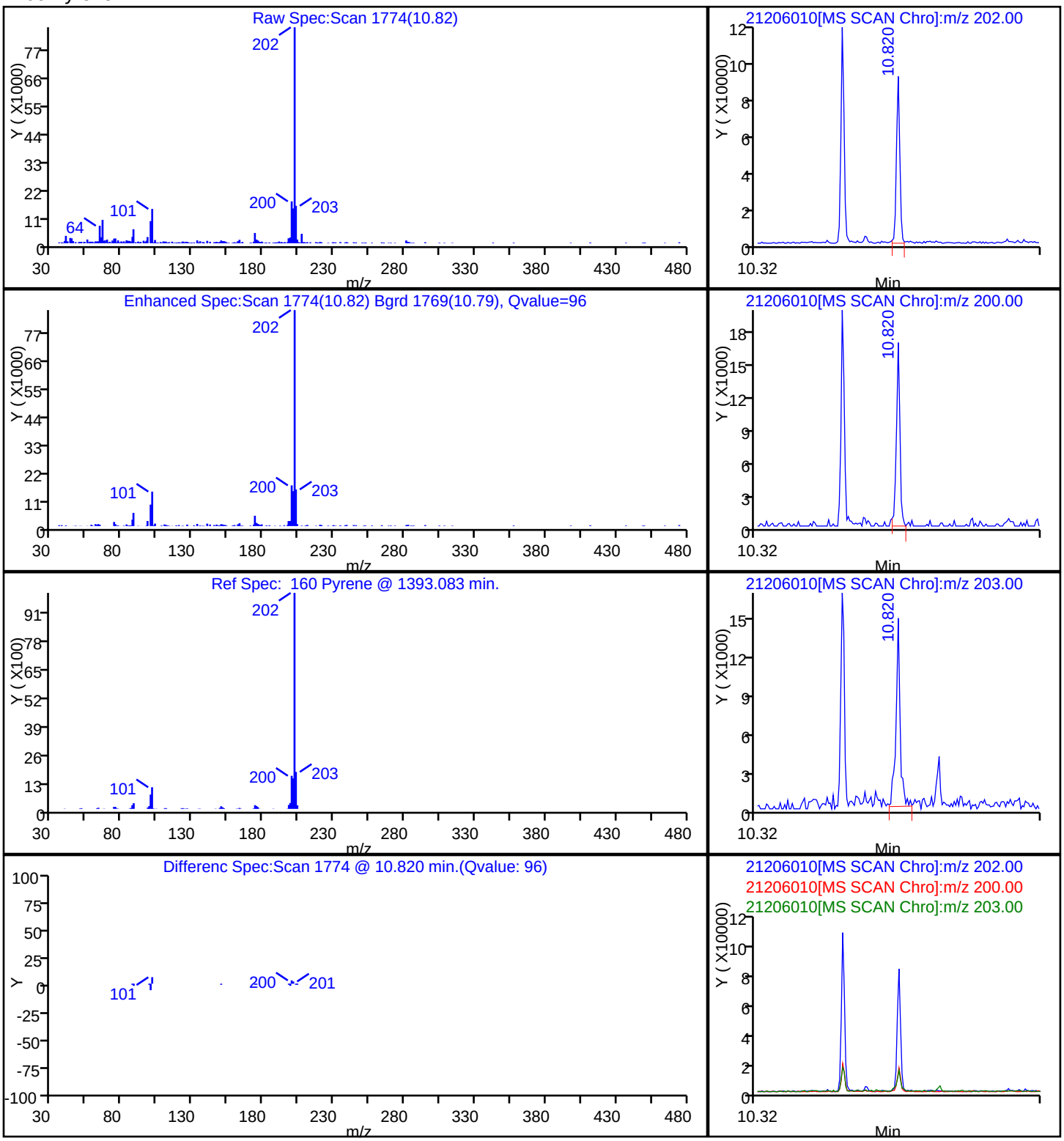


Report Date: 07-Dec-2012 12:54:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
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

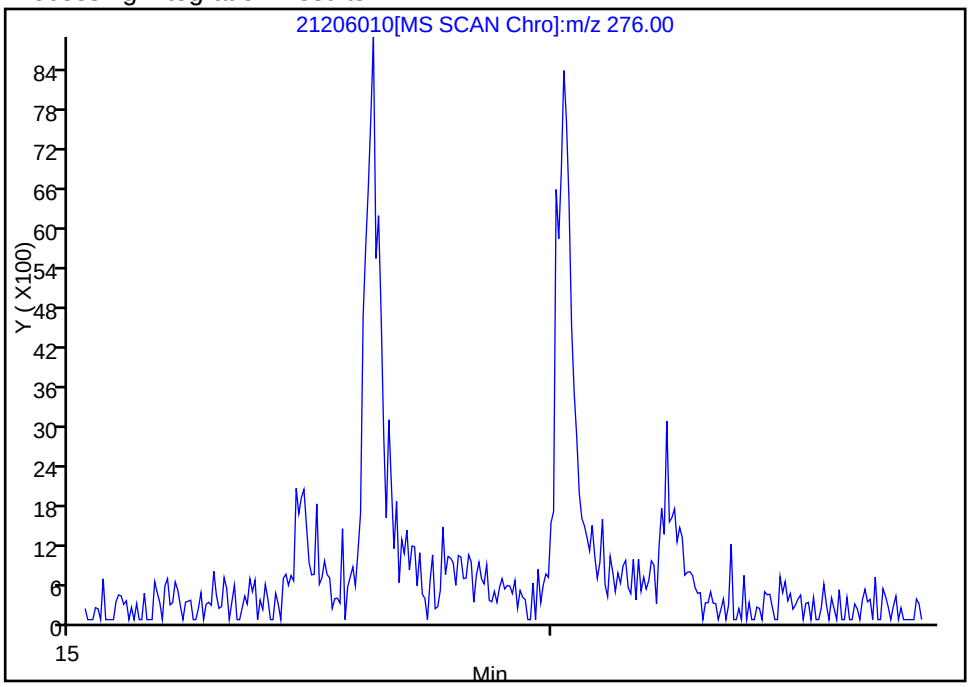
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
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

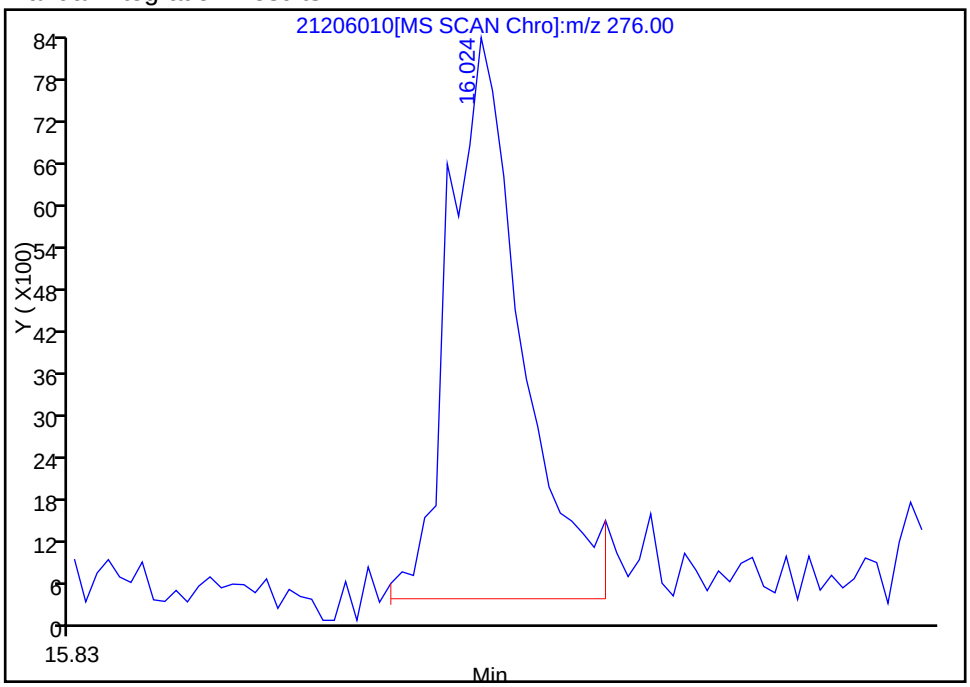
Processing Integration Results

Not Detected
Expected RT: 16.03



Manual Integration Results

RT: 16.02
Response: 19033
Amount: 0.102042



Reviewer: gruberj, 06-Dec-2012 10:48:59
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

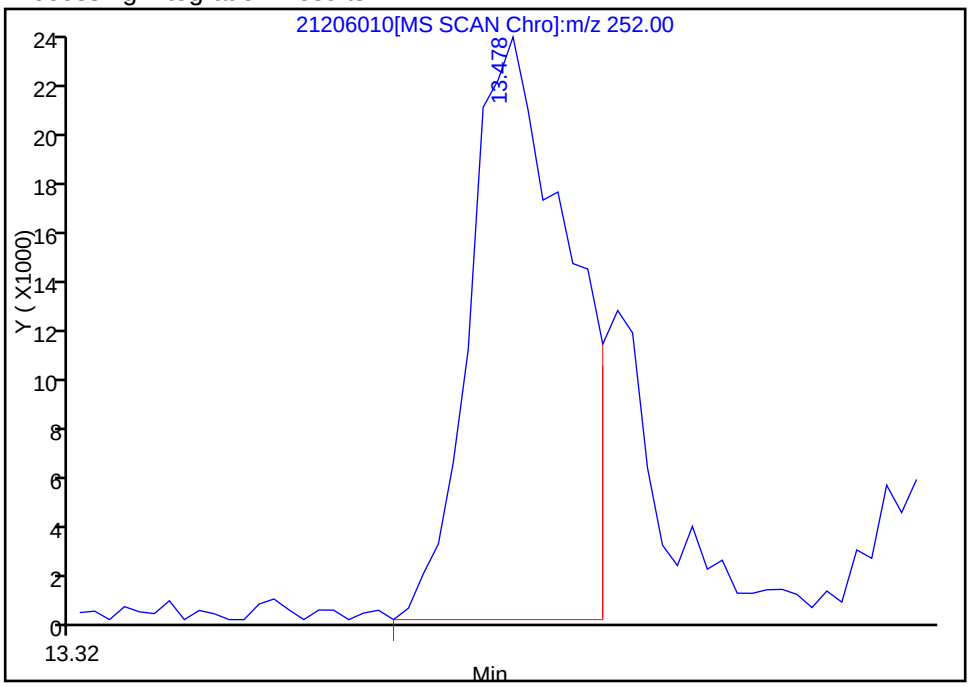
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206010.D		
Injection Date:	06-Dec-2012 12:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0066M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	10
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

181 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 13.51

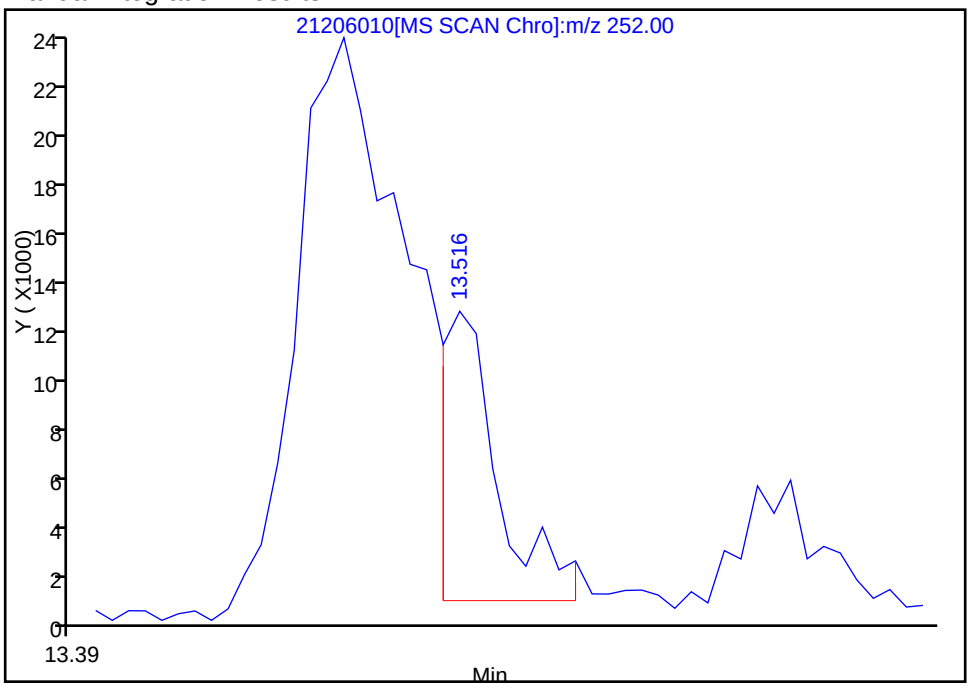
Processing Integration Results

RT: 13.48
Response: 58775
Amount: 0.260258



Manual Integration Results

RT: 13.52
Response: 15259
Amount: 0.067567



Reviewer: gruberj, 06-Dec-2012 10:48:59
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0044M-0001-SO | Lab Sample ID: 240-17796-29

Matrix: Solid | Lab File ID: 21206017.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.08(g) | Date Analyzed: 12/06/2012 15:10

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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0044M-0001-SO | Lab Sample ID: 240-17796-29

Matrix: Solid | Lab File ID: 21206017.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.08(g) | Date Analyzed: 12/06/2012 15:10

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	8.2	U	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	8.2	U	17	8.2	8.2
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	8.2	U	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	65
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	8.2	U	17	8.2	8.2
108-95-2	Phenol	67	U	120	67	67
129-00-0	Pyrene	8.2	U	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0044M-0001-SO | Lab Sample ID: 240-17796-29

Matrix: Solid | Lab File ID: 21206017.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.08(g) | Date Analyzed: 12/06/2012 15:10

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)	66		45-105
367-12-4	2-Fluorophenol (Surr)	59		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)	75		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	44		35-125

Report Date: 07-Dec-2012 12:54:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206017.D
Lims ID: 240-17796-B-29-B Client ID: 076SB-0044M-0001-SO
Inject. Date: 06-Dec-2012 15:10:30 Dil. Factor: 2.5000
Sample Type: Client
Sample ID: 240-0015580-017
Misc. Info.: 240-17796-b-29-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67544 Lims Sample ID: 17
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 16:30:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.755	5.733	0.022	97	181911	4.00	
* 2 Naphthalene-d8	136	6.862	6.857	0.005	98	720803	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	419296	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	97	736192	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	98	758687	4.00	
* 6 Perylene-d12	264	14.035	14.035	-0.001	97	644003	4.00	
$ 7 2-Fluorophenol	112	4.696	4.434	0.262	92	200279	3.56	
$ 8 Phenol-d5	99	5.434	5.380	0.054	90	303855	4.26	
$ 9 Nitrobenzene-d5	82	6.236	6.226	0.010	87	168240	2.65	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	356946	2.62	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	89	46145	2.66	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	98	420850	3.00	
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					
60 Hexachloroethane	117		6.188					9
61 Nitrobenzene	77		6.242					9
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					
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					
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					
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					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					
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					9
173 3,3'-Dichlorobenzidine	252		11.997					
171 Bis(2-ethylhexyl) phthalate	149	12.023	12.018	0.005	61	10166	0.2648	
175 Benzo[a]anthracene	228		12.040					9
176 Chrysene	228		12.088					9
178 Di-n-octyl phthalate	149		12.879					
180 Benzo[b]fluoranthene	252		13.473					
181 Benzo[k]fluoranthene	252		13.510					9
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

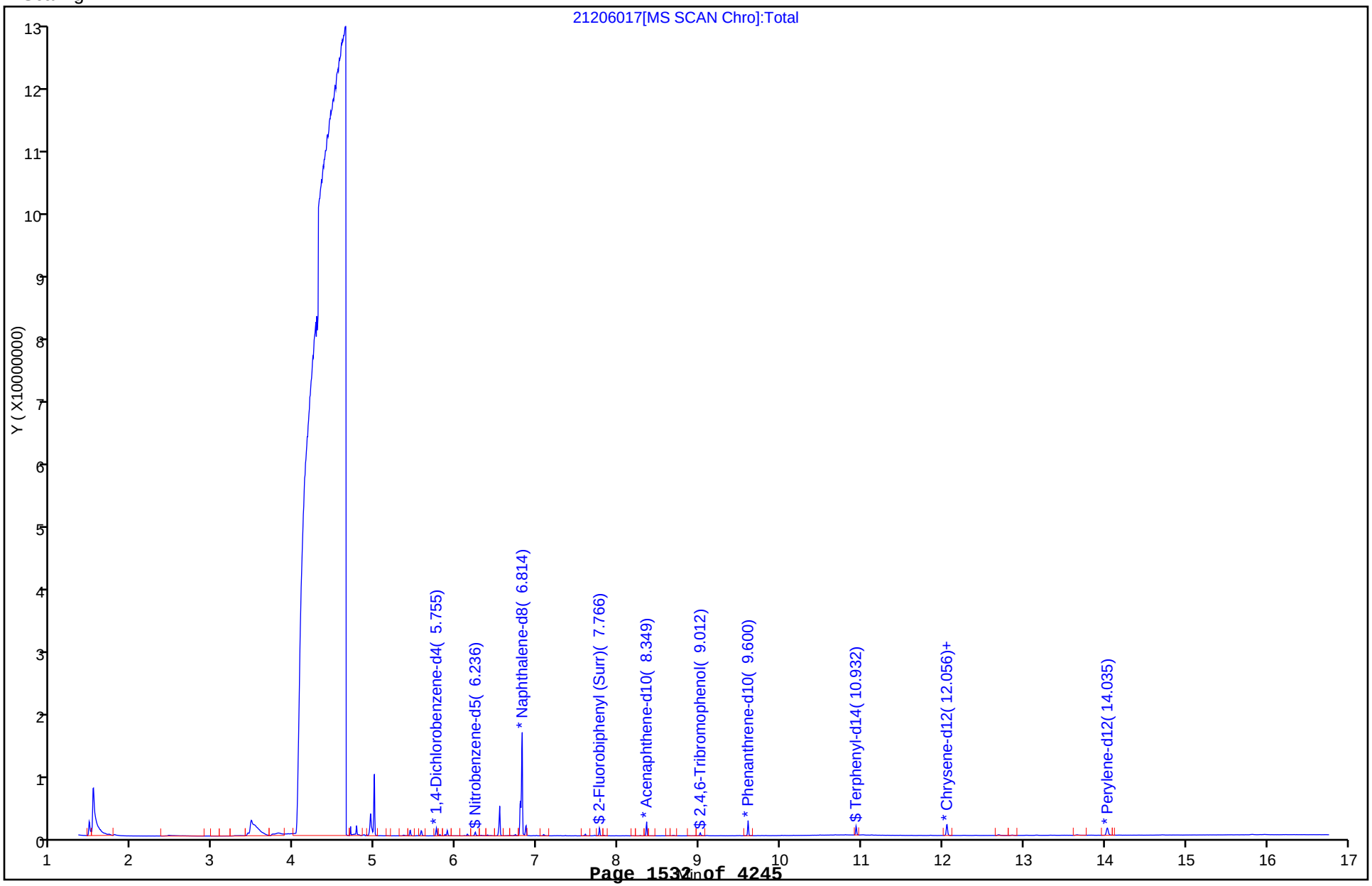
Report Date: 07-Dec-2012 12:54:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206017.D

Injection Date:	06-Dec-2012 15:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0044M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	17
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0045M-0001-SO | Lab Sample ID: 240-17796-30

Matrix: Solid | Lab File ID: 21206013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.60(g) | Date Analyzed: 12/06/2012 13:37

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	33	U	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0045M-0001-SO | Lab Sample ID: 240-17796-30

Matrix: Solid | Lab File ID: 21206013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.60(g) | Date Analyzed: 12/06/2012 13:37

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	33	U	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	4100	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	33	U	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0045M-0001-SO | Lab Sample ID: 240-17796-30

Matrix: Solid | Lab File ID: 21206013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:25

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.60(g) | Date Analyzed: 12/06/2012 13:37

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)	64		45-105
367-12-4	2-Fluorophenol (Surr)	65		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	62		35-100
4165-62-2	Phenol-d5 (Surr)	63		40-100
1718-51-0	Terphenyl-d14 (Surr)	74		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	55		35-125

Report Date: 07-Dec-2012 12:54:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206013.D
Lims ID: 240-17796-B-30-B Client ID: 076SB-0045M-0001-SO
Inject. Date: 06-Dec-2012 13:37:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015580-013
Misc. Info.: 240-17796-b-30-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67544 Lims Sample ID: 13
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 14:03:16

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	199189	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	761747	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	437705	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	98	783391	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	97	801284	4.00	
* 6 Perylene-d12	264	14.034	14.035	-0.001	92	656987	4.00	
$ 7 2-Fluorophenol	112	4.482	4.434	0.048	89	60076	0.9757	
$ 8 Phenol-d5	99	5.386	5.380	0.006	95	73415	0.9392	
$ 9 Nitrobenzene-d5	82	6.225	6.226	-0.001	84	41333	0.6172	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	91290	0.6429	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	85	14855	0.8204	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	97	109304	0.7365	
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					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					
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					
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					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					
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					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					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					
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		12.018					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					9
181 Benzo[k]fluoranthene	252		13.510					9
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

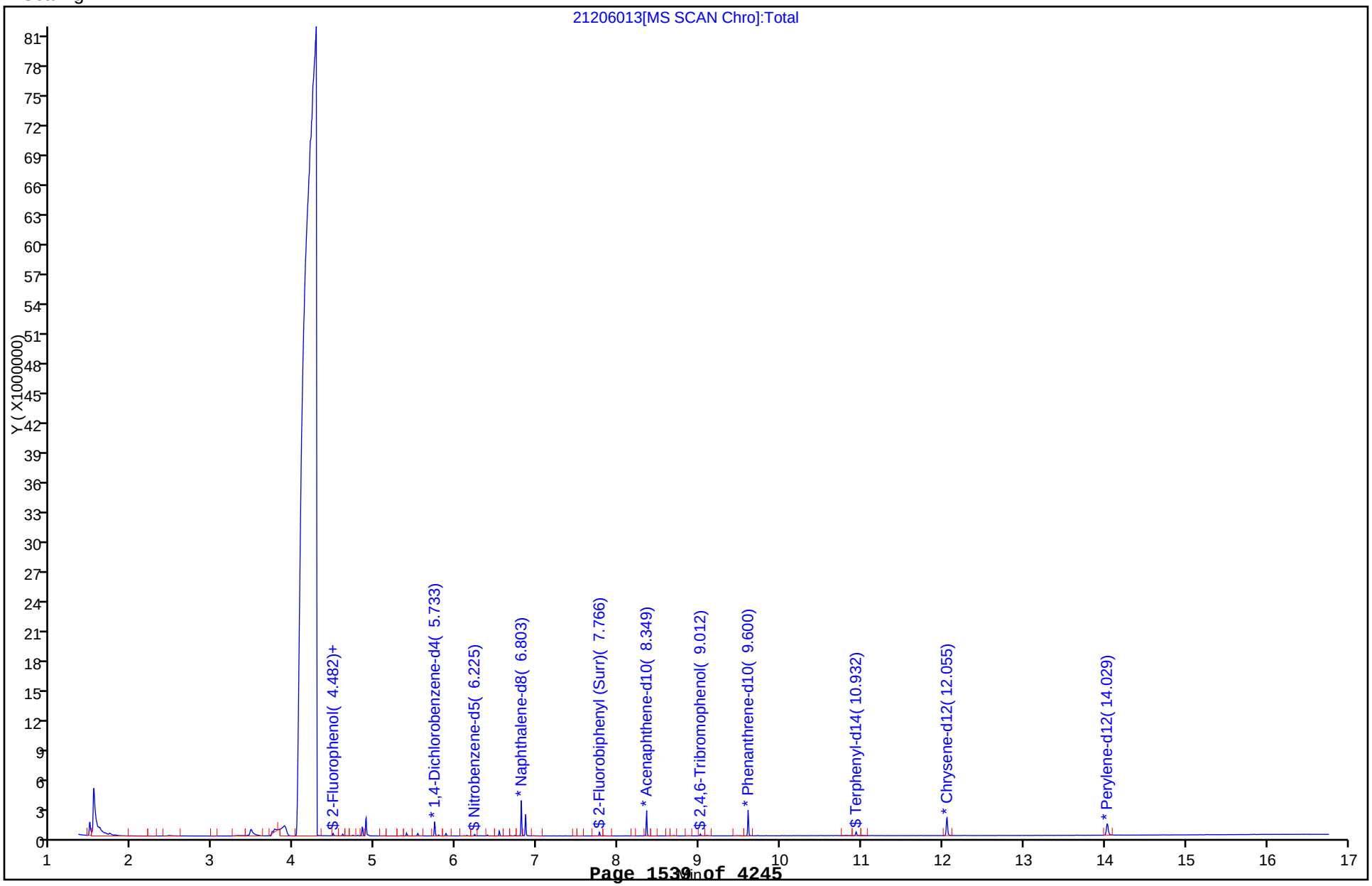
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 07-Dec-2012 12:54:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206013.D		
Injection Date:	06-Dec-2012 13:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0045M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	13
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0046M-0001-SO | Lab Sample ID: 240-17796-31

Matrix: Solid | Lab File ID: 21206018.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:50

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.87(g) | Date Analyzed: 12/06/2012 15:33

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	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0046M-0001-SO | Lab Sample ID: 240-17796-31

Matrix: Solid | Lab File ID: 21206018.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:50

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.87(g) | Date Analyzed: 12/06/2012 15:33

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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0046M-0001-SO | Lab Sample ID: 240-17796-31

Matrix: Solid | Lab File ID: 21206018.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 10:50

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.87(g) | Date Analyzed: 12/06/2012 15:33

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)	63		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	65		35-100
4165-62-2	Phenol-d5 (Surr)	71		40-100
1718-51-0	Terphenyl-d14 (Surr)	75		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	51		35-125

Report Date: 07-Dec-2012 12:54:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206018.D
Lims ID: 240-17796-B-31-B Client ID: 076SB-0046M-0001-SO
Inject. Date: 06-Dec-2012 15:33:30 Dil. Factor: 2.5000
Sample Type: Client
Sample ID: 240-0015580-018
Misc. Info.: 240-17796-b-31-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 67544 Lims Sample ID: 18
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 16:30:41

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	95	193256	4.00	
* 2 Naphthalene-d8	136	6.862	6.857	0.005	99	753802	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	439494	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	97	777639	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	98	803018	4.00	
* 6 Perylene-d12	264	14.035	14.035	0.0	96	694864	4.00	
$ 7 2-Fluorophenol	112	4.637	4.434	0.203	91	227005	3.80	
$ 8 Phenol-d5	99	5.413	5.380	0.033	96	324037	4.27	
$ 9 Nitrobenzene-d5	82	6.236	6.226	0.010	88	172610	2.60	
$ 10 2-Fluorobiphenyl (Surr)	172	7.771	7.766	0.005	99	368343	2.58	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	91	55266	3.04	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	98	444898	2.99	
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					
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					
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					
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					
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
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					
149 Carbazole	167		9.793					9
151 Di-n-butyl phthalate	149		10.055					
157 Fluoranthene	202		10.622					9
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	12.024	12.018	0.006	81	10111	0.2604	
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

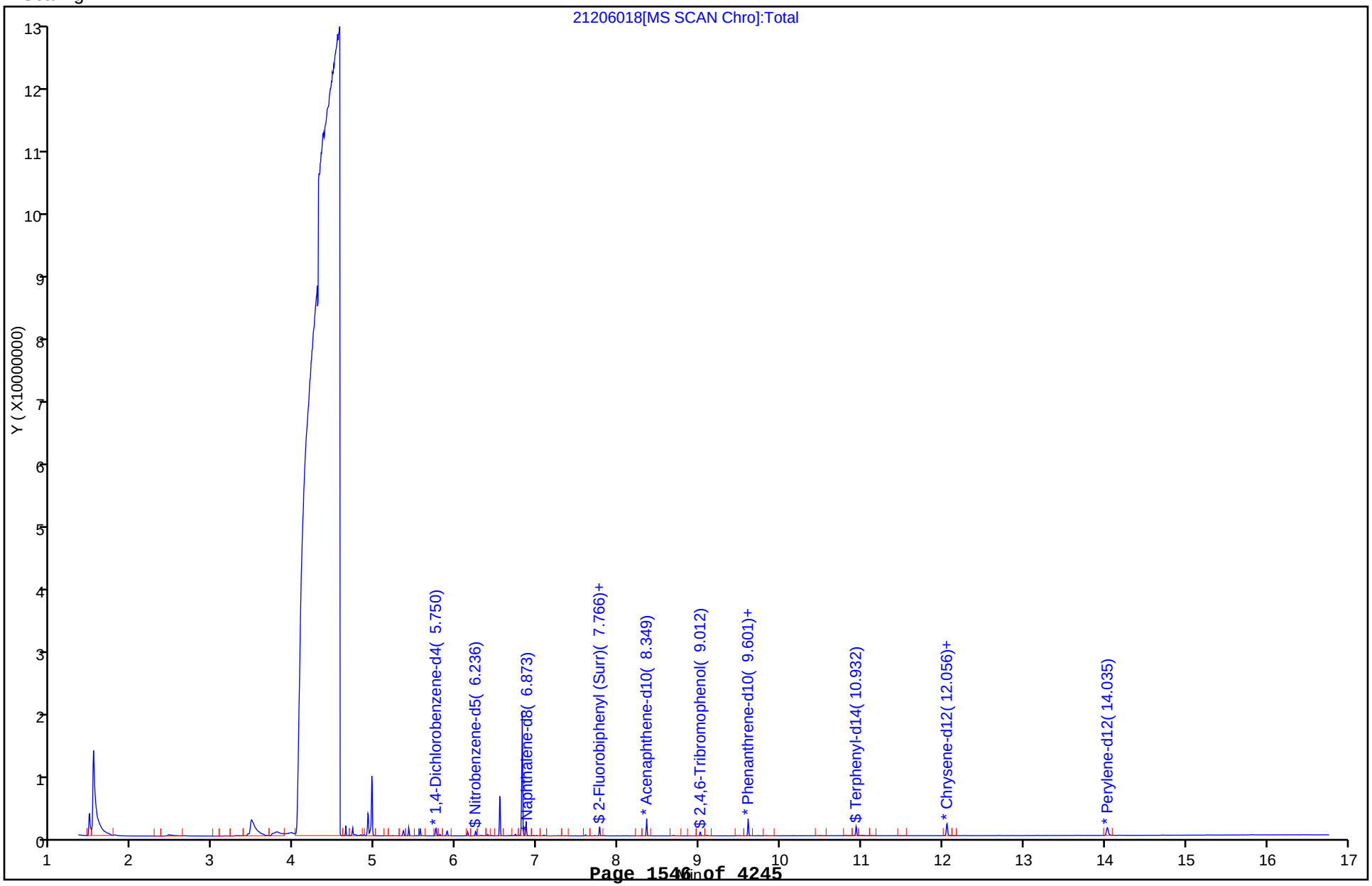
Report Date: 07-Dec-2012 12:54:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206018.D

Injection Date:	06-Dec-2012 15:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0046M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	18
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0047M-0001-SO | Lab Sample ID: 240-17796-32

Matrix: Solid | Lab File ID: 21206011.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:11

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.80(g) | Date Analyzed: 12/06/2012 12:51

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	3400	U	6600	3400	3400
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	96
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	98
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	810	U	1000	810	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	810	U	1500	810	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0047M-0001-SO | Lab Sample ID: 240-17796-32

Matrix: Solid | Lab File ID: 21206011.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:11

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.80(g) | Date Analyzed: 12/06/2012 12:51

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	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	91
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	810	U	2000	810	810
15831-10-4	3 & 4 Methylphenol	810	U	4000	810	200
91-20-3	Naphthalene	33	U	67	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	500	270	270
100-02-7	4-Nitrophenol	810	U	3300	810	810
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	810	U	1500	810	810
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	810	U	1500	810	810

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0047M-0001-SO | Lab Sample ID: 240-17796-32

Matrix: Solid | Lab File ID: 21206011.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:11

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 29.80(g) | Date Analyzed: 12/06/2012 12:51

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)	63		45-105
367-12-4	2-Fluorophenol (Surr)	66		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
4165-62-2	Phenol-d5 (Surr)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	69		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	59		35-125

Report Date: 07-Dec-2012 12:54:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206011.D
Lims ID: 240-17796-B-32-B
Client ID: 076SB-0047M-0001-SO
Inject. Date: 06-Dec-2012 12:51:30
Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015580-011
Misc. Info.: 240-17796-b-32-b
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 67544
Lims Sample ID: 11
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 14:02:13

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	190560	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	734407	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	428230	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	98	763849	4.00	
* 5 Chrysene-d12	240	12.050	12.056	-0.006	98	785627	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	91	662728	4.00	
$ 7 2-Fluorophenol	112	4.487	4.434	0.053	91	58730	1.00	
$ 8 Phenol-d5	99	5.386	5.380	0.006	90	75685	1.01	
$ 9 Nitrobenzene-d5	82	6.225	6.226	-0.001	90	37163	0.5755	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	98	87562	0.6303	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	81	15764	0.8899	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	98	100122	0.6881	
41 Phenol	94		5.391					
44 Bis(2-chloroethyl)ether	93		5.487					9
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					
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					9
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					
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					
147 Anthracene	178		9.665					
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					
166 Butyl benzyl phthalate	149		11.387					9
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					9
180 Benzo[b]fluoranthene	252		13.473					9
181 Benzo[k]fluoranthene	252		13.510					9
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					

QC Flag Legend

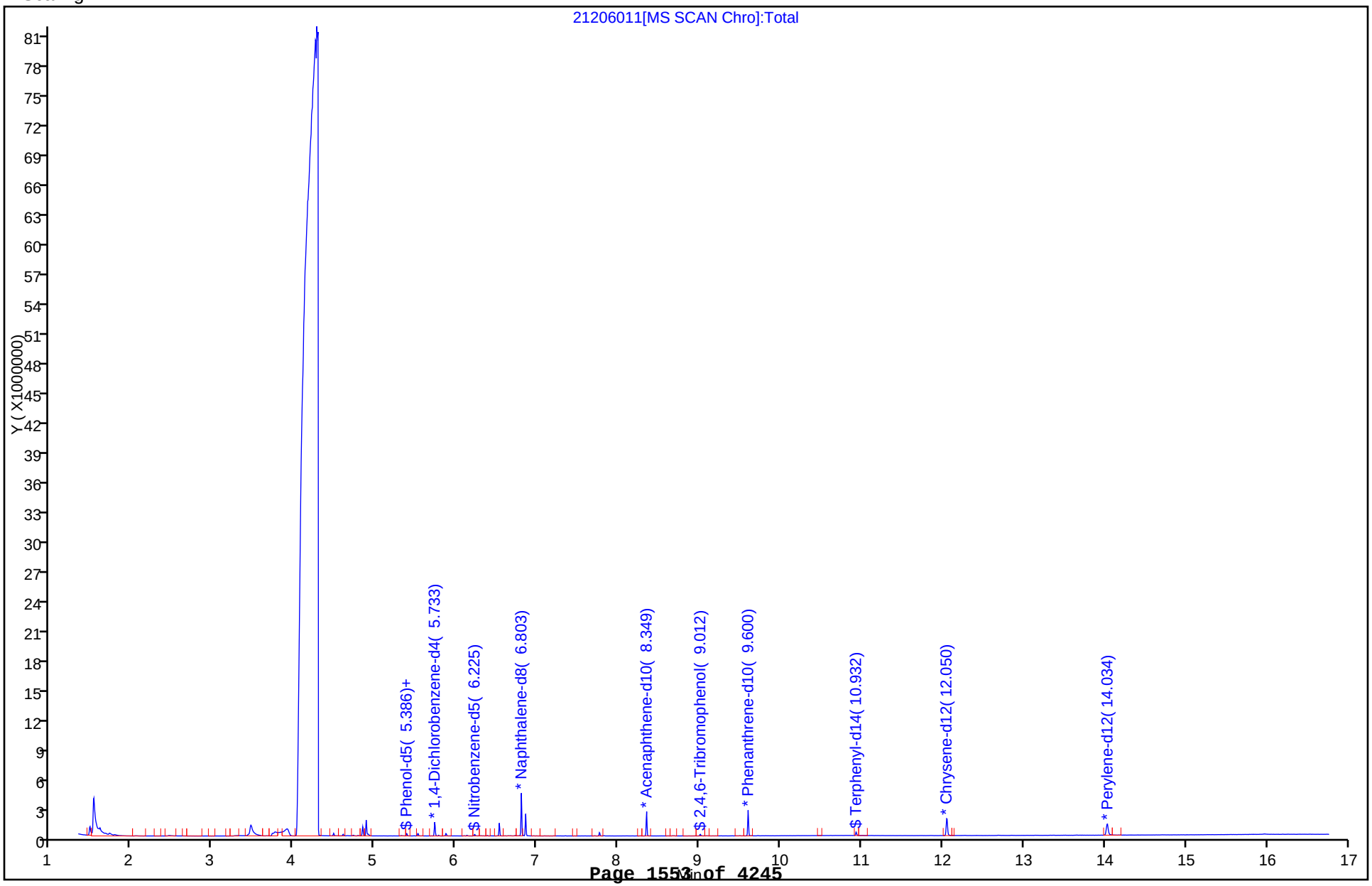
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 07-Dec-2012 12:54:32 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206011.D		
Injection Date:	06-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0047M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	11
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0048M-0001-SO | Lab Sample ID: 240-17796-33

Matrix: Solid | Lab File ID: 21205013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:40

Extract. Method: 3540C | Date Extracted: 11/29/2012 10:26

Sample wt/vol: 30.15(g) | Date Analyzed: 12/05/2012 13:05

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.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U	6.6	3.3	3.3
208-96-8	Acenaphthylene	3.3	U	6.6	3.3	3.3
120-12-7	Anthracene	3.3	U	6.6	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U	6.6	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U	6.6	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U	6.6	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U	6.6	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U	6.6	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	27	U	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	6.6	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U	6.6	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0048M-0001-SO | Lab Sample ID: 240-17796-33

Matrix: Solid | Lab File ID: 21205013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:40

Extract. Method: 3540C | Date Extracted: 11/29/2012 10:26

Sample wt/vol: 30.15(g) | Date Analyzed: 12/05/2012 13:05

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.: 67368 | 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	6.6	3.3	3.3
86-73-7	Fluorene	3.3	U	6.6	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U	6.6	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	6.6	3.3	3.3
78-59-1	Isophorone	27	U	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U	6.6	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	6.6	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	3.5	J	6.6	3.3	3.3
108-95-2	Phenol	27	U	50	27	27
129-00-0	Pyrene	3.3	U	6.6	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0048M-0001-SO | Lab Sample ID: 240-17796-33

Matrix: Solid | Lab File ID: 21205013.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:40

Extract. Method: 3540C | Date Extracted: 11/29/2012 10:26

Sample wt/vol: 30.15(g) | Date Analyzed: 12/05/2012 13:05

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.: 67368 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	68		45-105
367-12-4	2-Fluorophenol (Surr)	71		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	76		35-100
4165-62-2	Phenol-d5 (Surr)	80		40-100
1718-51-0	Terphenyl-d14 (Surr)	77		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	28	Q	35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205013.D
Lims ID: 240-17796-B-33-C Client ID: 076SB-0048M-0001-SO
Inject. Date: 05-Dec-2012 13:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015535-013
Misc. Info.: 240-17796-B-33-C =240-17796-B-33-C
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 67368 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 05-Dec-2012 15:38:24 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.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: 05-Dec-2012 13:42:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.055	5.998	0.057	82	157581	4.00	
* 2 Naphthalene-d8	136	7.134	7.109	0.025	96	657834	4.00	
* 3 Acenaphthene-d10	164	8.603	8.605	-0.002	66	421088	4.00	
* 4 Phenanthrene-d10	188	9.864	9.865	-0.001	77	702668	4.00	
* 5 Chrysene-d12	240	12.455	12.456	-0.001	76	714981	4.00	
* 6 Perylene-d12	264	14.565	14.572	-0.007	74	583673	4.00	
$ 7 2-Fluorophenol	112	5.270	4.764	0.506	93	662357	10.7	
$ 8 Phenol-d5	99	5.783	5.640	0.142	0	1074924	12.0	
$ 9 Nitrobenzene-d5	82	6.536	6.478	0.058	81	763178	7.58	
$ 10 2-Fluorobiphenyl (Surr)	172	8.016	8.012	0.003	93	957020	6.84	
$ 11 2,4,6-Tribromophenol	330	9.266	9.267	-0.001	79	69236	4.25	
$ 12 Terphenyl-d14	244	11.226	11.228	-0.002	78	1126861	7.69	
43 Phenol	94		5.650					
69 Bis(2-chloroethyl)ether	93		5.747					
46 2-Chlorophenol	128		5.805					
47 1,3-Dichlorobenzene	146		5.950					9
48 1,4-Dichlorobenzene	146		6.014					9
49 Benzyl alcohol	108		6.104					
50 1,2-Dichlorobenzene	146		6.147					9
51 2-Methylphenol	108		6.190					9
53 2,2'-oxybis[1-chloropropane]	45		6.222					9
21 3 & 4 Methylphenol	108		6.318					
57 N-Nitrosodi-n-propylamine	70		6.334					
61 Hexachloroethane	117		6.452					9
62 Nitrobenzene	77		6.494					
64 Isophorone	82		6.697					
66 2-Nitrophenol	139		6.772					
65 2,4-Dimethylphenol	107		6.783					9
71 Benzoic acid	122		6.842					
70 Bis(2-chloroethoxy)methane	93		6.868					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
73 2,4-Dichlorophenol	162		6.970					
74 1,2,4-Trichlorobenzene	180		7.050					
75 Naphthalene	128		7.125					9
76 4-Chloroaniline	127		7.157					
79 Hexachlorobutadiene	225		7.221					9
86 4-Chloro-3-methylphenol	107		7.547					
87 2-Methylnaphthalene	142		7.712					9
89 Hexachlorocyclopentadiene	237		7.841					
92 2,4,6-Trichlorophenol	196		7.942					9
93 2,4,5-Trichlorophenol	196		7.974					9
100 2-Chloronaphthalene	162		8.129					9
102 2-Nitroaniline	65		8.204					
105 Dimethyl phthalate	163		8.337					2
107 2,6-Dinitrotoluene	165		8.396					
109 Acenaphthylene	152		8.487					9
110 3-Nitroaniline	138		8.546					9
111 2,4-Dinitrophenol	184		8.631					
112 Acenaphthene	153		8.631					9
113 4-Nitrophenol	109		8.658					
114 2,4-Dinitrotoluene	165		8.738					
116 Dibenzofuran	168		8.775					9
121 Diethyl phthalate	149		8.930					
123 4-Chlorophenyl phenyl ether	204		9.048					9
125 4-Nitroaniline	138		9.064					
126 Fluorene	166		9.064					
128 4,6-Dinitro-2-methylphenol	198		9.085					
131 N-Nitrosodiphenylamine	169		9.144					
139 4-Bromophenyl phenyl ether	248		9.470					
141 Hexachlorobenzene	284		9.529					
143 Pentachlorophenol	266		9.689					9
148 Phenanthrene	178	9.880	9.887	-0.007	19	11167	0.0532	
149 Anthracene	178		9.929					
151 Carbazole	167		10.052					9
154 Di-n-butyl phthalate	149		10.309					
159 Fluoranthene	202		10.902					
161 Pyrene	202		11.115					
168 Butyl benzyl phthalate	149		11.719					
175 3,3'-Dichlorobenzidine	252		12.387					
173 Bis(2-ethylhexyl) phthalate	149	12.396	12.403	-0.007	71	29387	0.2000	
177 Benzo[a]anthracene	228		12.446					
178 Chrysene	228		12.494					9
180 Di-n-octyl phthalate	149		13.332					
182 Benzo[b]fluoranthene	252		13.979					
183 Benzo[k]fluoranthene	252		14.021					
184 Benzo[a]pyrene	252		14.492					
188 Indeno[1,2,3-cd]pyrene	276		16.271					9
189 Dibenz(a,h)anthracene	278		16.297					9
190 Benzo[g,h,i]perylene	276		16.741					9

QC Flag Legend

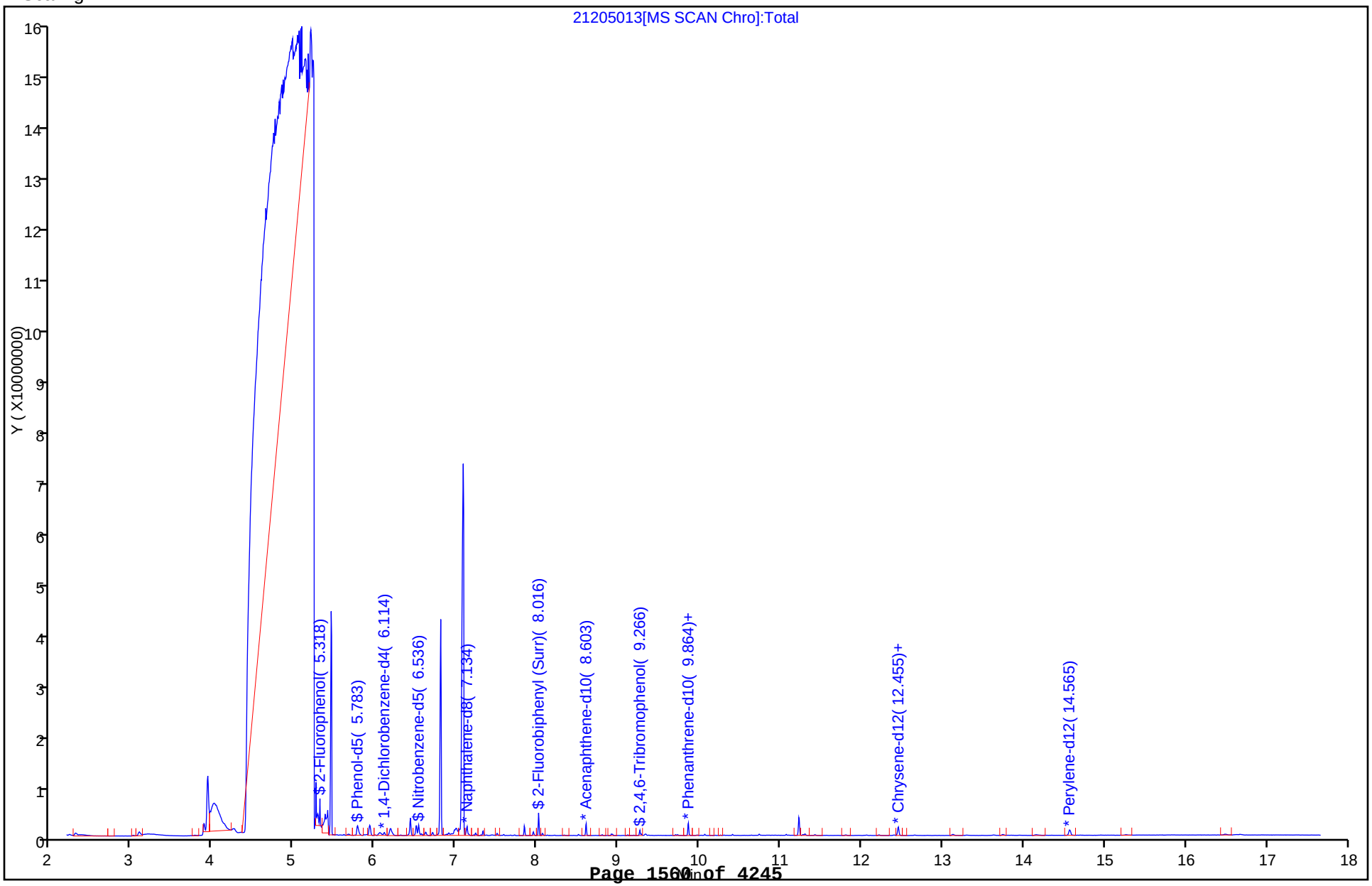
Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

Report Date: 05-Dec-2012 15:38:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205013.D		
Injection Date:	05-Dec-2012 13:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0048M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

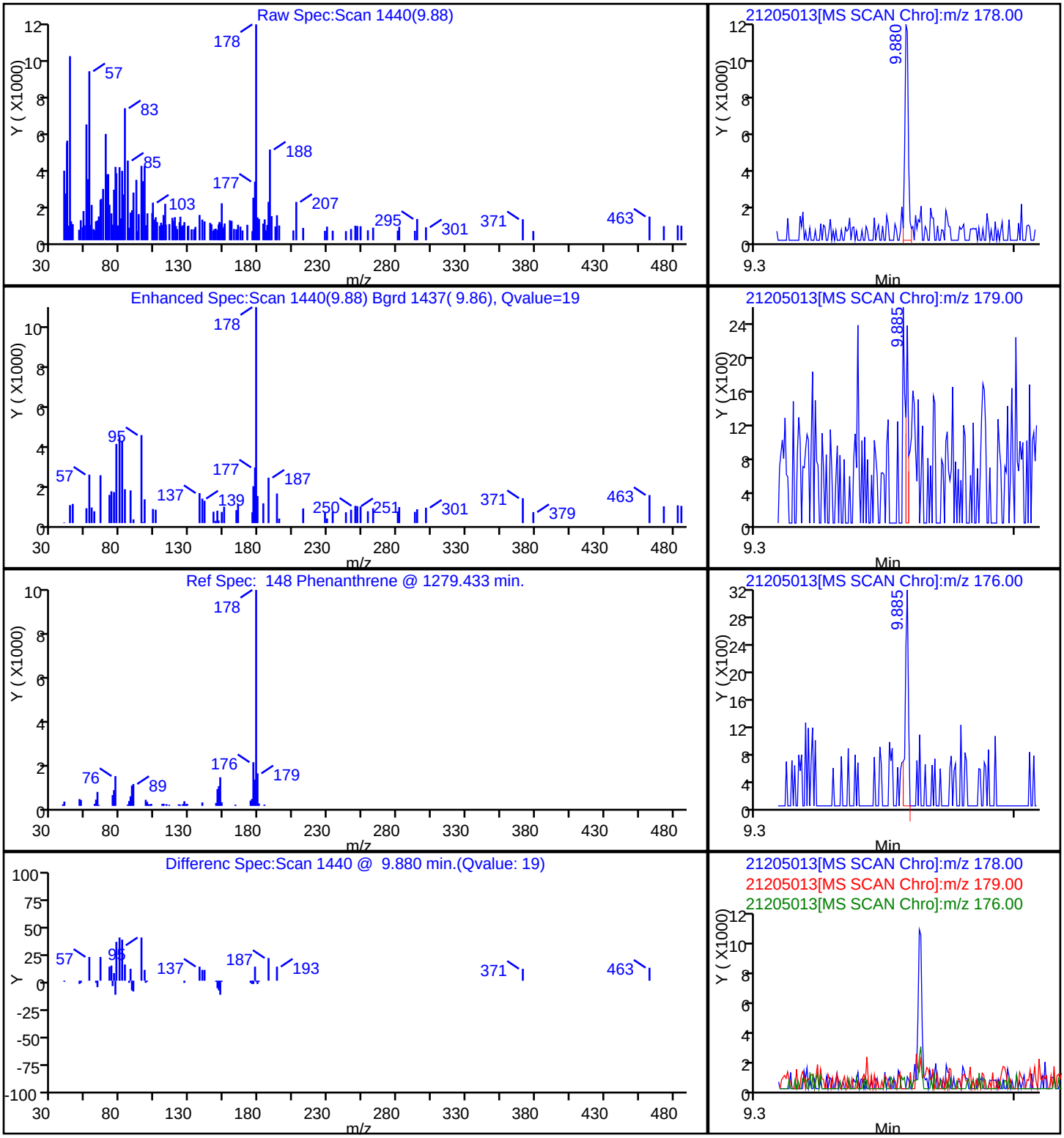


Report Date: 05-Dec-2012 15:38:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205013.D		
Injection Date:	05-Dec-2012 13:05:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0048M-0001-SO	Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	13
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

148 Phenanthrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0048M-0001-SO RE | Lab Sample ID: 240-17796-33 RE

Matrix: Solid | Lab File ID: 21211014.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:40

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 29.96(g) | Date Analyzed: 12/11/2012 15:27

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.: 68148 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	3.3	U H	6.7	3.3	3.3
208-96-8	Acenaphthylene	3.3	U H	6.7	3.3	3.3
120-12-7	Anthracene	3.3	U H	6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	3.3	U H	6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	3.3	U H	6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	3.3	U H	6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	3.3	U H	6.7	3.3	3.3
65-85-0	Benzoic acid	330	U H	660	330	330
207-08-9	Benzo[k]fluoranthene	3.3	U H	6.7	3.3	3.3
100-51-6	Benzyl alcohol	27	U H	330	27	21
111-91-1	Bis(2-chloroethoxy)methane	27	U H	100	27	22
111-44-4	Bis(2-chloroethyl)ether	3.3	U H	100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	27	U H	100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	24	J H	50	27	19
101-55-3	4-Bromophenyl phenyl ether	27	U H	50	27	13
85-68-7	Butyl benzyl phthalate	27	U H	50	27	10
86-74-8	Carbazole	27	U H	50	27	27
106-47-8	4-Chloroaniline	27	U H	150	27	17
59-50-7	4-Chloro-3-methylphenol	27	U H	150	27	21
91-58-7	2-Chloronaphthalene	3.3	U H	50	3.3	3.3
95-57-8	2-Chlorophenol	27	U H	50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	27	U H	50	27	13
218-01-9	Chrysene	3.3	U H	6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	3.3	U H	6.7	3.3	3.3
132-64-9	Dibenzofuran	3.3	U H	50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	27	U H	50	27	9.7
541-73-1	1,3-Dichlorobenzene	27	U H	50	27	11
106-46-7	1,4-Dichlorobenzene	27	U H	50	27	20
91-94-1	3,3'-Dichlorobenzidine	80	U H	100	80	18
120-83-2	2,4-Dichlorophenol	27	U H	150	27	20
84-66-2	Diethyl phthalate	27	U H	50	27	16
105-67-9	2,4-Dimethylphenol	80	U H	150	80	20
131-11-3	Dimethyl phthalate	27	U H	50	27	17
84-74-2	Di-n-butyl phthalate	27	U H	50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0048M-0001-SO RE | Lab Sample ID: 240-17796-33 RE

Matrix: Solid | Lab File ID: 21211014.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:40

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 29.96(g) | Date Analyzed: 12/11/2012 15:27

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.: 68148 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	80	U H	150	80	80
51-28-5	2,4-Dinitrophenol	80	U H	330	80	80
121-14-2	2,4-Dinitrotoluene	27	U H	200	27	27
606-20-2	2,6-Dinitrotoluene	27	U H	200	27	21
117-84-0	Di-n-octyl phthalate	27	U H	50	27	27
206-44-0	Fluoranthene	3.3	U H	6.7	3.3	3.3
86-73-7	Fluorene	3.3	U H	6.7	3.3	3.3
118-74-1	Hexachlorobenzene	3.3	U H	6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	27	U H	50	27	27
77-47-4	Hexachlorocyclopentadiene	27	U H	330	27	27
67-72-1	Hexachloroethane	27	U H	50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	3.3	U H	6.7	3.3	3.3
78-59-1	Isophorone	27	U H	50	27	13
91-57-6	2-Methylnaphthalene	3.3	U H	6.7	3.3	3.3
95-48-7	2-Methylphenol	80	U H	200	80	80
15831-10-4	3 & 4 Methylphenol	80	U H	400	80	20
91-20-3	Naphthalene	3.3	U H	6.7	3.3	3.3
88-74-4	2-Nitroaniline	27	U H	200	27	9.1
99-09-2	3-Nitroaniline	80	U H	200	80	16
100-01-6	4-Nitroaniline	27	U H	200	27	26
98-95-3	Nitrobenzene	3.3	U H	100	3.3	2.2
88-75-5	2-Nitrophenol	27	U H	50	27	27
100-02-7	4-Nitrophenol	80	U H	330	80	80
621-64-7	N-Nitrosodi-n-propylamine	27	U H	50	27	27
86-30-6	N-Nitrosodiphenylamine	27	U H	50	27	21
87-86-5	Pentachlorophenol	80	U H	150	80	80
85-01-8	Phenanthrene	3.3	U H	6.7	3.3	3.3
108-95-2	Phenol	27	U H	50	27	27
129-00-0	Pyrene	3.3	U H	6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	27	U H	50	27	27
95-95-4	2,4,5-Trichlorophenol	27	U H	150	27	25
88-06-2	2,4,6-Trichlorophenol	80	U H	150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0048M-0001-SO RE | Lab Sample ID: 240-17796-33 RE

Matrix: Solid | Lab File ID: 21211014.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 11:40

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 29.96(g) | Date Analyzed: 12/11/2012 15:27

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.: 68148 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	57		45-105
367-12-4	2-Fluorophenol (Surr)	46		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	58		35-100
4165-62-2	Phenol-d5 (Surr)	59		40-100
1718-51-0	Terphenyl-d14 (Surr)	70		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	53		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211014.D		
Lims ID:	240-17796-B-33-D	Client ID:	076SB-0048M-0001-SO
Inject. Date:	11-Dec-2012 15:27:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015716-014		
Misc. Info.:	240-17796-b-33-d		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	68148	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\8270_hp7.m		
Last Update:	12-Dec-2012 09:45:45	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:	XAWRK017		

First Level Reviewer: gruberj Date: 11-Dec-2012 16:23:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.718	5.702	0.016	95	185334	4.00	
* 2 Naphthalene-d8	136	6.826	6.826	0.0	99	704775	4.00	
* 3 Acenaphthene-d10	164	8.318	8.318	0.0	92	410304	4.00	
* 4 Phenanthrene-d10	188	9.569	9.575	-0.006	97	721428	4.00	
* 5 Chrysene-d12	240	12.014	12.014	0.0	98	723377	4.00	
* 6 Perylene-d12	264	13.977	13.977	0.0	94	581775	4.00	
$ 7 2-Fluorophenol	112	4.686	4.397	0.289	91	397763	6.94	
$ 8 Phenol-d5	99	5.398	5.349	0.049	96	641917	8.83	
$ 9 Nitrobenzene-d5	82	6.200	6.194	0.006	88	357445	5.77	
$ 10 2-Fluorobiphenyl (Surr)	172	7.740	7.740	0.0	99	764023	5.74	
$ 11 2,4,6-Tribromophenol	330	8.981	8.981	0.0	93	136186	8.02	
$ 12 Terphenyl-d14	244	10.901	10.906	-0.005	99	937758	7.00	
41 Phenol	94		5.365					9
44 Bis(2-chloroethyl)ether	93		5.456					9
46 2-Chlorophenol	128		5.504					9
47 1,3-Dichlorobenzene	146		5.649					9
48 1,4-Dichlorobenzene	146		5.718					9
49 Benzyl alcohol	108		5.820					
50 1,2-Dichlorobenzene	146		5.852					
51 2-Methylphenol	108		5.916					9
52 2,2'-oxybis[1-chloropropane]	45		5.943					9
191 3 & 4 Methylphenol	108		6.050					
56 N-Nitrosodi-n-propylamine	70		6.061					9
60 Hexachloroethane	117		6.157					9
61 Nitrobenzene	77		6.216					
63 Isophorone	82		6.419					
65 2-Nitrophenol	139		6.494					9
64 2,4-Dimethylphenol	107		6.521					
69 Benzoic acid	122		6.590					9
68 Bis(2-chloroethoxy)methane	93		6.601					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.697					
72 1,2,4-Trichlorobenzene	180		6.777					
73 Naphthalene	128		6.847					
74 4-Chloroaniline	127		6.884					
77 Hexachlorobutadiene	225		6.943					
84 4-Chloro-3-methylphenol	107		7.285					9
85 2-Methylnaphthalene	142		7.435					
88 Hexachlorocyclopentadiene	237		7.564					
90 2,4,6-Trichlorophenol	196		7.671					
91 2,4,5-Trichlorophenol	196		7.697					
98 2-Chloronaphthalene	162		7.852					
100 2-Nitroaniline	65		7.927					9
103 Dimethyl phthalate	163		8.072					9
105 2,6-Dinitrotoluene	165		8.131					
107 Acenaphthylene	152		8.205					9
108 3-Nitroaniline	138		8.275					9
110 Acenaphthene	153		8.350					9
109 2,4-Dinitrophenol	184		8.361					
111 4-Nitrophenol	109		8.398					9
112 2,4-Dinitrotoluene	165		8.467					
114 Dibenzofuran	168		8.494					9
119 Diethyl phthalate	149		8.660					
121 4-Chlorophenyl phenyl ether	204		8.772					
124 Fluorene	166		8.783					9
123 4-Nitroaniline	138		8.788					
126 4,6-Dinitro-2-methylphenol	198		8.810					
130 N-Nitrosodiphenylamine	169		8.869					
137 4-Bromophenyl phenyl ether	248		9.184					
139 Hexachlorobenzene	284		9.243					
141 Pentachlorophenol	266		9.403					9
146 Phenanthrene	178		9.596					9
147 Anthracene	178		9.639					9
149 Carbazole	167		9.762					9
151 Di-n-butyl phthalate	149		10.029					
157 Fluoranthene	202		10.596					9
160 Pyrene	202		10.789					
166 Butyl benzyl phthalate	149		11.356					
173 3,3'-Dichlorobenzidine	252		11.960					
171 Bis(2-ethylhexyl) phthalate	149	11.982	11.987	-0.005	87	21434	0.3531	
175 Benzo[a]anthracene	228		12.003					9
176 Chrysene	228		12.046					9
178 Di-n-octyl phthalate	149		12.843					
180 Benzo[b]fluoranthene	252		13.426					
181 Benzo[k]fluoranthene	252		13.463					
182 Benzo[a]pyrene	252		13.902					
186 Indeno[1,2,3-cd]pyrene	276		15.570					9
187 Dibenz(a,h)anthracene	278		15.597					
188 Benzo[g,h,i]perylene	276		15.966					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

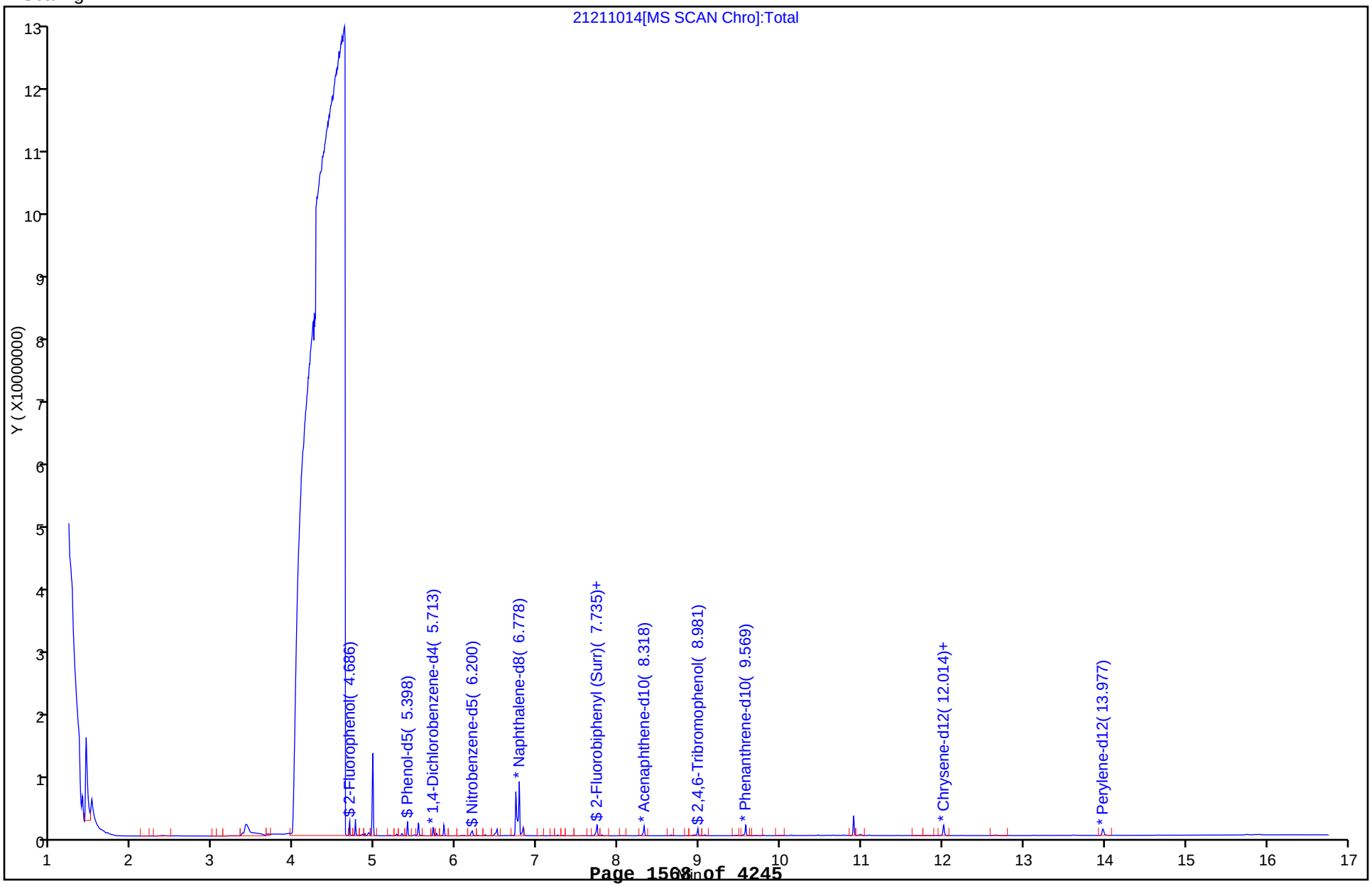
Report Date: 12-Dec-2012 09:46:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211014.D

Injection Date:	11-Dec-2012 15:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	68148	Lims Sample ID:	14
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



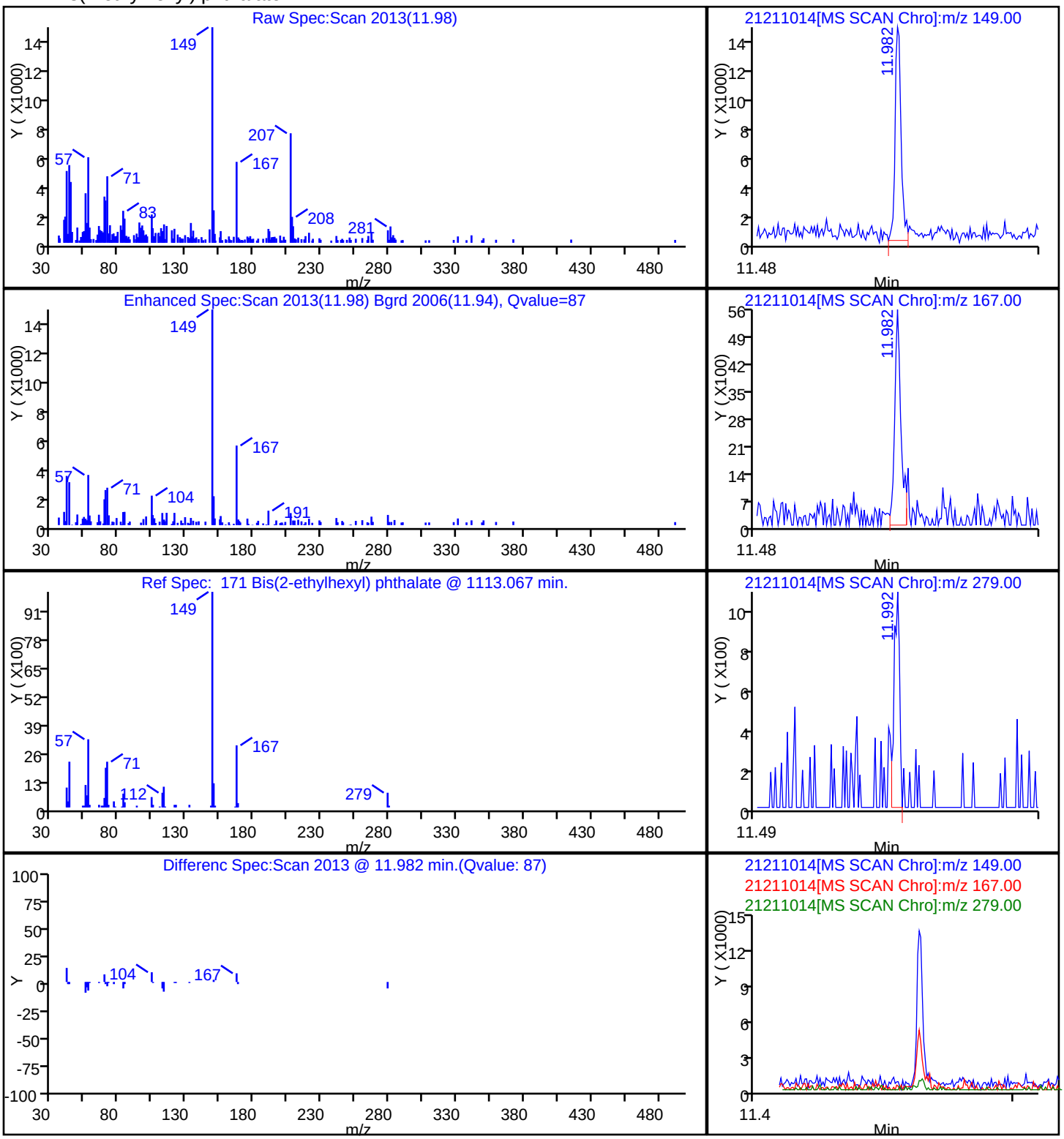
Report Date: 12-Dec-2012 09:46:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211014.D

Injection Date:	11-Dec-2012 15:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0048M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	68148	Lims Sample ID:	14
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0049M-0001-SO | Lab Sample ID: 240-17796-34

Matrix: Solid | Lab File ID: 21206012.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:05

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.07(g) | Date Analyzed: 12/06/2012 13:14

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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0049M-0001-SO | Lab Sample ID: 240-17796-34

Matrix: Solid | Lab File ID: 21206012.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:05

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.07(g) | Date Analyzed: 12/06/2012 13:14

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	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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0049M-0001-SO | Lab Sample ID: 240-17796-34

Matrix: Solid | Lab File ID: 21206012.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:05

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.07(g) | Date Analyzed: 12/06/2012 13:14

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)	64		45-105
367-12-4	2-Fluorophenol (Surr)	74		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	63		35-100
4165-62-2	Phenol-d5 (Surr)	67		40-100
1718-51-0	Terphenyl-d14 (Surr)	74		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	54		35-125

Report Date: 07-Dec-2012 12:54:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206012.D
Lims ID: 240-17796-B-34-B Client ID: 076SB-0049M-0001-SO
Inject. Date: 06-Dec-2012 13:14:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 240-0015580-012
Misc. Info.: 240-17796-b-34-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 67544 Lims Sample ID: 12
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 14:02:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.739	5.733	0.006	95	190739	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	99	733249	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	433042	4.00	
* 4 Phenanthrene-d10	188	9.600	9.601	-0.001	98	753954	4.00	
* 5 Chrysene-d12	240	12.055	12.056	-0.001	98	762733	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	93	641672	4.00	
$ 7 2-Fluorophenol	112	4.498	4.434	0.064	89	65192	1.11	
$ 8 Phenol-d5	99	5.391	5.380	0.011	95	75141	1.00	
$ 9 Nitrobenzene-d5	82	6.231	6.226	0.005	87	40364	0.6261	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	90301	0.6428	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	79	14562	0.8129	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	96	105079	0.7439	
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					
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					

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					
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					
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					
151 Di-n-butyl phthalate	149		10.055					9
157 Fluoranthene	202		10.622					9
160 Pyrene	202		10.820					9
166 Butyl benzyl phthalate	149		11.387					9
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					9
181 Benzo[k]fluoranthene	252		13.510					9
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					
188 Benzo[g,h,i]perylene	276		16.030					

QC Flag Legend

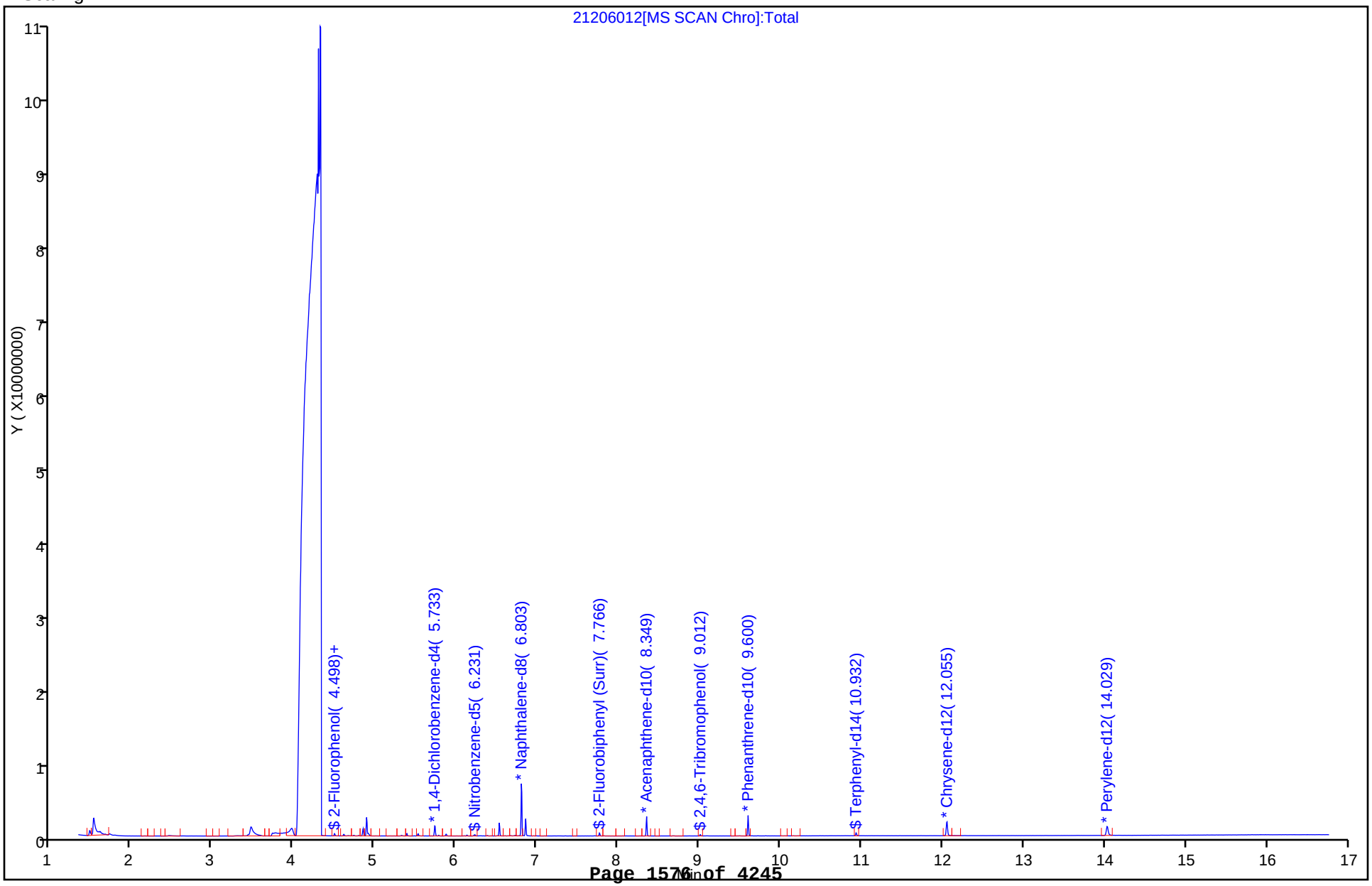
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 07-Dec-2012 12:54:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206012.D		
Injection Date:	06-Dec-2012 13:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0049M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	12
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0050M-0001-SO | Lab Sample ID: 240-17796-35

Matrix: Solid | Lab File ID: 21206019.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:30

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.40(g) | Date Analyzed: 12/06/2012 15:56

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	8.1	U	16	8.1	8.1
208-96-8	Acenaphthylene	8.1	U	16	8.1	8.1
120-12-7	Anthracene	8.1	U	16	8.1	8.1
56-55-3	Benzo[a]anthracene	8.1	U	16	8.1	8.1
50-32-8	Benzo[a]pyrene	8.1	U	16	8.1	8.1
205-99-2	Benzo[b]fluoranthene	8.1	U	16	8.1	8.1
191-24-2	Benzo[g,h,i]perylene	8.1	U	16	8.1	8.1
65-85-0	Benzoic acid	820	U	1600	820	820
207-08-9	Benzo[k]fluoranthene	8.1	U	16	8.1	8.1
100-51-6	Benzyl alcohol	67	U	810	67	52
111-91-1	Bis(2-chloroethoxy)methane	67	U	250	67	54
111-44-4	Bis(2-chloroethyl)ether	8.1	U	250	8.1	4.9
108-60-1	bis (2-chloroisopropyl) ether	67	U	250	67	23
117-81-7	Bis(2-ethylhexyl) phthalate	47	J	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	8.1	U	120	8.1	8.1
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	8.1	U	16	8.1	2.7
53-70-3	Dibenz(a,h)anthracene	8.1	U	16	8.1	8.1
132-64-9	Dibenzofuran	8.1	U	120	8.1	8.1
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	49
91-94-1	3,3'-Dichlorobenzidine	200	U	250	200	44
120-83-2	2,4-Dichlorophenol	67	U	370	67	49
84-66-2	Diethyl phthalate	67	U	120	67	39
105-67-9	2,4-Dimethylphenol	200	U	370	200	49
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0050M-0001-SO | Lab Sample ID: 240-17796-35

Matrix: Solid | Lab File ID: 21206019.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:30

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.40(g) | Date Analyzed: 12/06/2012 15:56

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	810	200	200
121-14-2	2,4-Dinitrotoluene	67	U	490	67	67
606-20-2	2,6-Dinitrotoluene	67	U	490	67	52
117-84-0	Di-n-octyl phthalate	67	U	120	67	67
206-44-0	Fluoranthene	8.1	U	16	8.1	8.1
86-73-7	Fluorene	8.1	U	16	8.1	8.1
118-74-1	Hexachlorobenzene	8.1	U	16	8.1	5.2
87-68-3	Hexachlorobutadiene	67	U	120	67	67
77-47-4	Hexachlorocyclopentadiene	67	U	810	67	67
67-72-1	Hexachloroethane	67	U	120	67	22
193-39-5	Indeno[1,2,3-cd]pyrene	8.1	U	16	8.1	8.1
78-59-1	Isophorone	67	U	120	67	32
91-57-6	2-Methylnaphthalene	8.1	U	16	8.1	8.1
95-48-7	2-Methylphenol	200	U	490	200	200
15831-10-4	3 & 4 Methylphenol	200	U	990	200	49
91-20-3	Naphthalene	8.1	U	16	8.1	8.1
88-74-4	2-Nitroaniline	67	U	490	67	22
99-09-2	3-Nitroaniline	200	U	490	200	39
100-01-6	4-Nitroaniline	67	U	490	67	64
98-95-3	Nitrobenzene	8.1	U	250	8.1	5.4
88-75-5	2-Nitrophenol	67	U	120	67	67
100-02-7	4-Nitrophenol	200	U	810	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	8.1	U	16	8.1	8.1
108-95-2	Phenol	67	U	120	67	67
129-00-0	Pyrene	8.1	U	16	8.1	8.1
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0050M-0001-SO | Lab Sample ID: 240-17796-35

Matrix: Solid | Lab File ID: 21206019.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:30

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.40(g) | Date Analyzed: 12/06/2012 15:56

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)	62		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	65		35-100
4165-62-2	Phenol-d5 (Surr)	69		40-100
1718-51-0	Terphenyl-d14 (Surr)	75		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	73		35-125

Report Date: 07-Dec-2012 12:54:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206019.D
Lims ID: 240-17796-B-35-B Client ID: 076SB-0050M-0001-SO
Inject. Date: 06-Dec-2012 15:56:30 Dil. Factor: 2.5000
Sample Type: Client
Sample ID: 240-0015580-019
Misc. Info.: 240-17796-b-35-b
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 67544 Lims Sample ID: 19
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 16:31:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.739	5.733	0.006	96	188084	4.00	
* 2 Naphthalene-d8	136	6.857	6.857	0.0	100	717020	4.00	
* 3 Acenaphthene-d10	164	8.349	8.349	0.0	92	421249	4.00	
* 4 Phenanthrene-d10	188	9.601	9.601	0.0	98	736347	4.00	
* 5 Chrysene-d12	240	12.056	12.056	0.0	97	765969	4.00	
* 6 Perylene-d12	264	14.029	14.035	-0.006	96	649458	4.00	
$ 7 2-Fluorophenol	112	4.541	4.434	0.107	92	251379	4.32	
$ 8 Phenol-d5	99	5.397	5.380	0.017	96	303492	4.11	
$ 9 Nitrobenzene-d5	82	6.231	6.226	0.005	87	163493	2.59	
$ 10 2-Fluorobiphenyl (Surr)	172	7.766	7.766	0.0	99	341291	2.50	
$ 11 2,4,6-Tribromophenol	330	9.012	9.012	0.0	93	75842	4.35	
$ 12 Terphenyl-d14	244	10.932	10.932	0.0	98	425409	3.00	
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					
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					

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					
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					
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					
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					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					
151 Di-n-butyl phthalate	149		10.055					
157 Fluoranthene	202		10.622					9
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	12.018	12.018	0.0	83	13001	0.2842	
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					9
188 Benzo[g,h,i]perylene	276		16.030					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

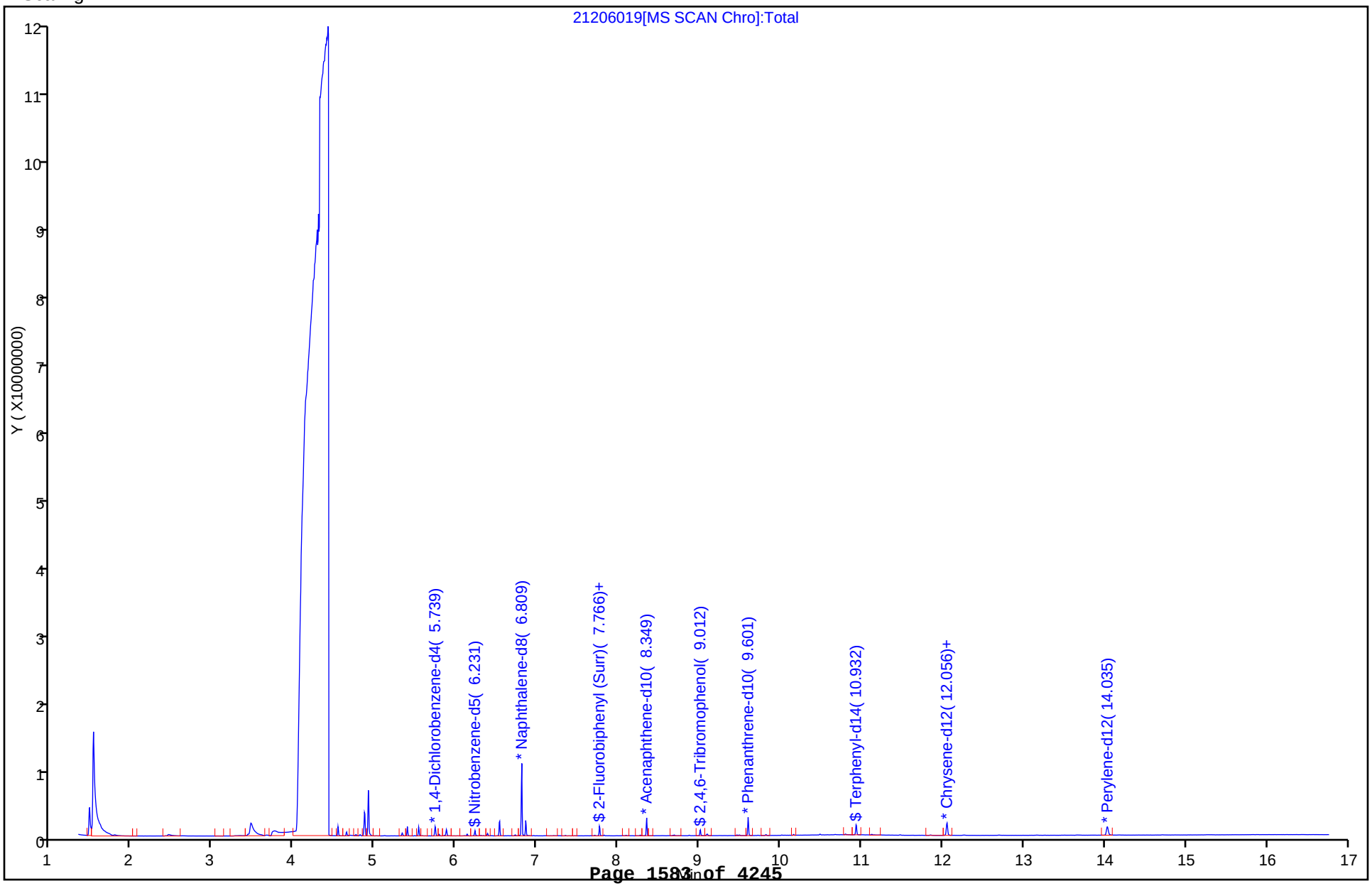
Report Date: 07-Dec-2012 12:54:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206019.D

Injection Date:	06-Dec-2012 15:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	19
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

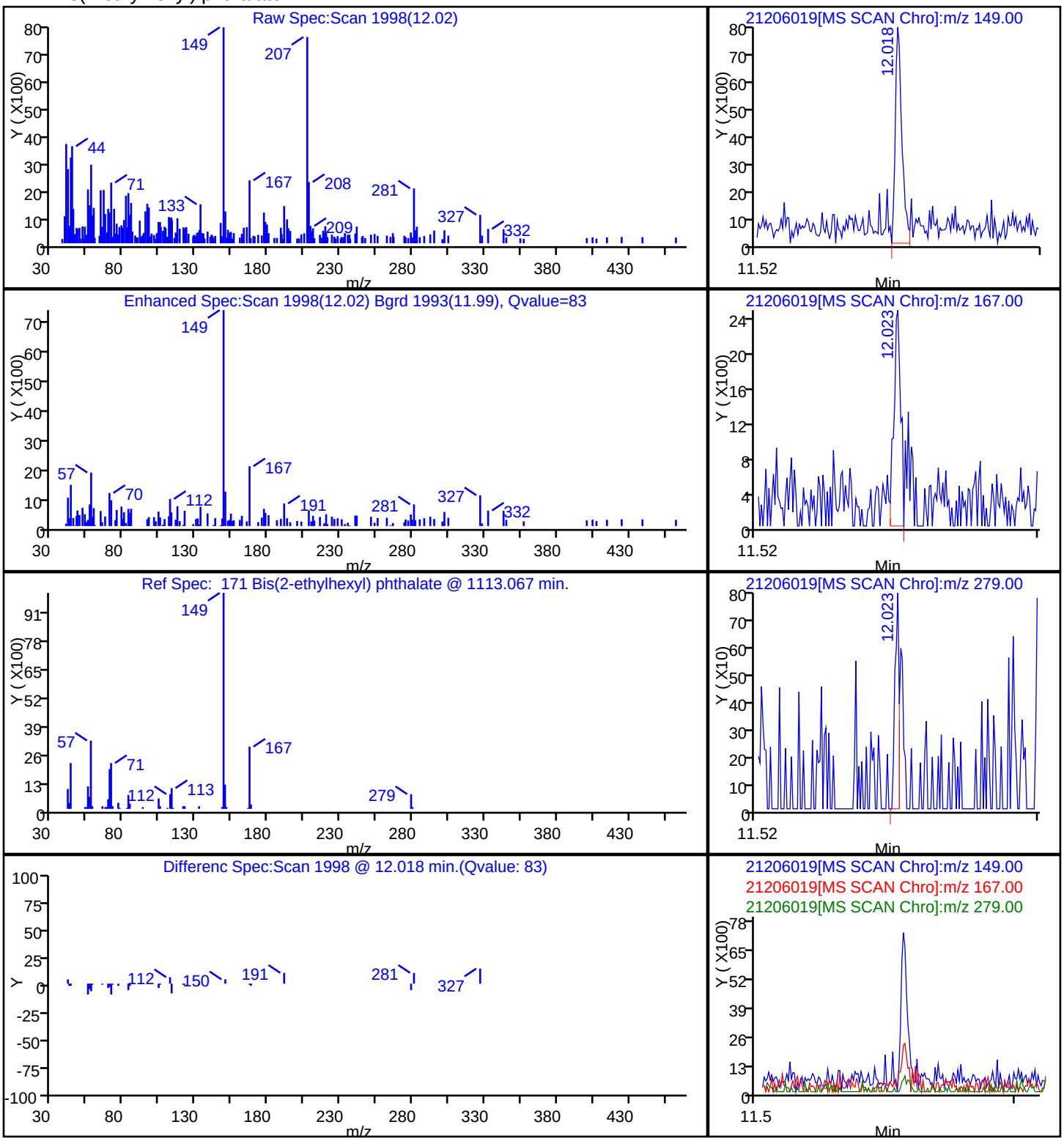


Report Date: 07-Dec-2012 12:54:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121206-15580.b\21206019.D		
Injection Date:	06-Dec-2012 15:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0050M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67544	Lims Sample ID:	19
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0051M-0001-SO | Lab Sample ID: 240-17796-36

Matrix: Solid | Lab File ID: 21207006.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:10

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.50(g) | Date Analyzed: 12/07/2012 12:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.1	U	8.4	4.1	4.1
208-96-8	Acenaphthylene	4.1	U	8.4	4.1	4.1
120-12-7	Anthracene	4.1	U	8.4	4.1	4.1
56-55-3	Benzo[a]anthracene	4.1	U	8.4	4.1	4.1
50-32-8	Benzo[a]pyrene	4.1	U	8.4	4.1	4.1
205-99-2	Benzo[b]fluoranthene	4.2	J	8.4	4.1	4.1
191-24-2	Benzo[g,h,i]perylene	12	M	8.4	4.1	4.1
65-85-0	Benzoic acid	420	U	830	420	420
207-08-9	Benzo[k]fluoranthene	4.1	U	8.4	4.1	4.1
100-51-6	Benzyl alcohol	34	U	410	34	26
111-91-1	Bis(2-chloroethoxy)methane	34	U	130	34	28
111-44-4	Bis(2-chloroethyl)ether	4.1	U	130	4.1	2.5
108-60-1	bis (2-chloroisopropyl) ether	34	U	130	34	12
117-81-7	Bis(2-ethylhexyl) phthalate	29	J	63	34	24
101-55-3	4-Bromophenyl phenyl ether	34	U	63	34	16
85-68-7	Butyl benzyl phthalate	34	U	63	34	13
86-74-8	Carbazole	34	U	63	34	34
106-47-8	4-Chloroaniline	34	U	190	34	21
59-50-7	4-Chloro-3-methylphenol	34	U	190	34	26
91-58-7	2-Chloronaphthalene	4.1	U	63	4.1	4.1
95-57-8	2-Chlorophenol	34	U	63	34	34
7005-72-3	4-Chlorophenyl phenyl ether	34	U	63	34	16
218-01-9	Chrysene	4.1	U	8.4	4.1	1.4
53-70-3	Dibenz(a,h)anthracene	4.1	U	8.4	4.1	4.1
132-64-9	Dibenzofuran	4.1	U	63	4.1	4.1
95-50-1	1,2-Dichlorobenzene	34	U	63	34	12
541-73-1	1,3-Dichlorobenzene	34	U	63	34	14
106-46-7	1,4-Dichlorobenzene	34	U	63	34	25
91-94-1	3,3'-Dichlorobenzidine	100	U	130	100	23
120-83-2	2,4-Dichlorophenol	34	U	190	34	25
84-66-2	Diethyl phthalate	34	U	63	34	20
105-67-9	2,4-Dimethylphenol	100	U	190	100	25
131-11-3	Dimethyl phthalate	34	U	63	34	21
84-74-2	Di-n-butyl phthalate	34	U	63	34	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0051M-0001-SO | Lab Sample ID: 240-17796-36

Matrix: Solid | Lab File ID: 21207006.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:10

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.50(g) | Date Analyzed: 12/07/2012 12:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	100	U	190	100	100
51-28-5	2,4-Dinitrophenol	100	U	410	100	100
121-14-2	2,4-Dinitrotoluene	34	U	250	34	34
606-20-2	2,6-Dinitrotoluene	34	U	250	34	26
117-84-0	Di-n-octyl phthalate	34	U	63	34	34
206-44-0	Fluoranthene	4.1	U	8.4	4.1	4.1
86-73-7	Fluorene	4.1	U	8.4	4.1	4.1
118-74-1	Hexachlorobenzene	4.1	U	8.4	4.1	2.6
87-68-3	Hexachlorobutadiene	34	U	63	34	34
77-47-4	Hexachlorocyclopentadiene	34	U	410	34	34
67-72-1	Hexachloroethane	34	U	63	34	11
193-39-5	Indeno[1,2,3-cd]pyrene	4.1	U	8.4	4.1	4.1
78-59-1	Isophorone	34	U	63	34	16
91-57-6	2-Methylnaphthalene	8.6		8.4	4.1	4.1
95-48-7	2-Methylphenol	100	U	250	100	100
15831-10-4	3 & 4 Methylphenol	100	U	500	100	25
91-20-3	Naphthalene	4.1	U	8.4	4.1	4.1
88-74-4	2-Nitroaniline	34	U	250	34	11
99-09-2	3-Nitroaniline	100	U	250	100	20
100-01-6	4-Nitroaniline	34	U	250	34	33
98-95-3	Nitrobenzene	4.1	U	130	4.1	2.8
88-75-5	2-Nitrophenol	34	U	63	34	34
100-02-7	4-Nitrophenol	100	U	410	100	100
621-64-7	N-Nitrosodi-n-propylamine	34	U	63	34	34
86-30-6	N-Nitrosodiphenylamine	34	U	63	34	26
87-86-5	Pentachlorophenol	100	U	190	100	100
85-01-8	Phenanthrene	4.1	U	8.4	4.1	4.1
108-95-2	Phenol	34	U	63	34	34
129-00-0	Pyrene	6.7	J	8.4	4.1	4.1
120-82-1	1,2,4-Trichlorobenzene	34	U	63	34	34
95-95-4	2,4,5-Trichlorophenol	34	U	190	34	31
88-06-2	2,4,6-Trichlorophenol	100	U	190	100	100

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0051M-0001-SO | Lab Sample ID: 240-17796-36

Matrix: Solid | Lab File ID: 21207006.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 12:10

Extract. Method: 3540C | Date Extracted: 11/28/2012 09:47

Sample wt/vol: 30.50(g) | Date Analyzed: 12/07/2012 12:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	73		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)	77		40-100
1718-51-0	Terphenyl-d14 (Surr)	86		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	63		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207006.D		
Lims ID:	240-17796-B-36-A	Client ID:	076SB-0051M-0001-SO
Inject. Date:	07-Dec-2012 12:51:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015633-006		
Misc. Info.:	240-17796-b-36-a		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	67761	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\8270_hp7.m		
Last Update:	10-Dec-2012 11:29:09	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:	XAWRK015		

First Level Reviewer: gruberj Date: 07-Dec-2012 13:14:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.694	5.700	-0.006	96	154440	4.00	
* 2 Naphthalene-d8	136	6.823	6.823	0.0	99	580831	4.00	
* 3 Acenaphthene-d10	164	8.315	8.315	0.0	93	338347	4.00	
* 4 Phenanthrene-d10	188	9.566	9.567	-0.001	97	609367	4.00	
* 5 Chrysene-d12	240	12.005	12.006	-0.001	98	618369	4.00	
* 6 Perylene-d12	264	13.968	13.969	-0.001	97	510163	4.00	
$ 7 2-Fluorophenol	112	4.416	4.394	0.022	92	545771	11.4	
$ 8 Phenol-d5	99	5.352	5.347	0.005	90	696951	11.5	
$ 9 Nitrobenzene-d5	82	6.191	6.192	-0.001	89	385172	7.54	
$ 10 2-Fluorobiphenyl (Surr)	172	7.737	7.737	0.0	99	801723	7.30	
$ 11 2,4,6-Tribromophenol	330	8.978	8.978	0.0	92	133079	9.51	
$ 12 Terphenyl-d14	244	10.898	10.898	0.0	99	987517	8.62	
41 Phenol	94		5.357					9
44 Bis(2-chloroethyl)ether	93		5.454					9
46 2-Chlorophenol	128		5.502					
47 1,3-Dichlorobenzene	146		5.646					
48 1,4-Dichlorobenzene	146		5.716					
49 Benzyl alcohol	108		5.817					9
50 1,2-Dichlorobenzene	146		5.849					
51 2-Methylphenol	108		5.914					9
52 2,2'-oxybis[1-chloropropane]	45		5.940					9
191 3 & 4 Methylphenol	108		6.047					
56 N-Nitrosodi-n-propylamine	70		6.053					
60 Hexachloroethane	117		6.154					9
61 Nitrobenzene	77		6.208					9
63 Isophorone	82		6.416					9
65 2-Nitrophenol	139		6.491					9
64 2,4-Dimethylphenol	107		6.513					9
69 Benzoic acid	122		6.582					
68 Bis(2-chloroethoxy)methane	93		6.598					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162		6.694					
72 1,2,4-Trichlorobenzene	180		6.769					
73 Naphthalene	128		6.844					9
74 4-Chloroaniline	127		6.882					9
77 Hexachlorobutadiene	225		6.940					
84 4-Chloro-3-methylphenol	107		7.283					9
85 2-Methylnaphthalene	142	7.432	7.433	-0.001	80	9501	0.1023	
88 Hexachlorocyclopentadiene	237		7.561					
90 2,4,6-Trichlorophenol	196		7.663					
91 2,4,5-Trichlorophenol	196		7.695					
98 2-Chloronaphthalene	162		7.844					
100 2-Nitroaniline	65		7.925					
103 Dimethyl phthalate	163		8.069					
105 2,6-Dinitrotoluene	165		8.122					
107 Acenaphthylene	152		8.197					9
108 3-Nitroaniline	138		8.267					9
110 Acenaphthene	153		8.342					9
109 2,4-Dinitrophenol	184		8.358					
111 4-Nitrophenol	109		8.390					9
112 2,4-Dinitrotoluene	165		8.465					
114 Dibenzofuran	168		8.486					
119 Diethyl phthalate	149		8.657					
121 4-Chlorophenyl phenyl ether	204		8.764					
124 Fluorene	166		8.775					
123 4-Nitroaniline	138		8.780					9
126 4,6-Dinitro-2-methylphenol	198		8.807					
130 N-Nitrosodiphenylamine	169		8.861					
137 4-Bromophenyl phenyl ether	248		9.182					9
139 Hexachlorobenzene	284		9.240					
141 Pentachlorophenol	266		9.401					9
146 Phenanthrene	178		9.588					9
147 Anthracene	178		9.631					9
149 Carbazole	167		9.759					
151 Di-n-butyl phthalate	149	10.021	10.021	0.0	79	18367	0.1018	
157 Fluoranthene	202		10.588					
160 Pyrene	202	10.781	10.781	0.0	94	15736	0.0798	
166 Butyl benzyl phthalate	149		11.348					9
173 3,3'-Dichlorobenzidine	252		11.947					
171 Bis(2-ethylhexyl) phthalate	149	11.973	11.979	-0.006	89	17943	0.3498	
175 Benzo[a]anthracene	228		11.995					9
176 Chrysene	228		12.038					
178 Di-n-octyl phthalate	149		12.829					9
180 Benzo[b]fluoranthene	252	13.417	13.412	0.005	66	8151	0.0501	
181 Benzo[k]fluoranthene	252		13.455					
182 Benzo[a]pyrene	252		13.888					
186 Indeno[1,2,3-cd]pyrene	276		15.557					9
187 Dibenz(a,h)anthracene	278		15.578					
188 Benzo[g,h,i]perylene	276	15.947	15.953	-0.006	75	20715	0.1418	M

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

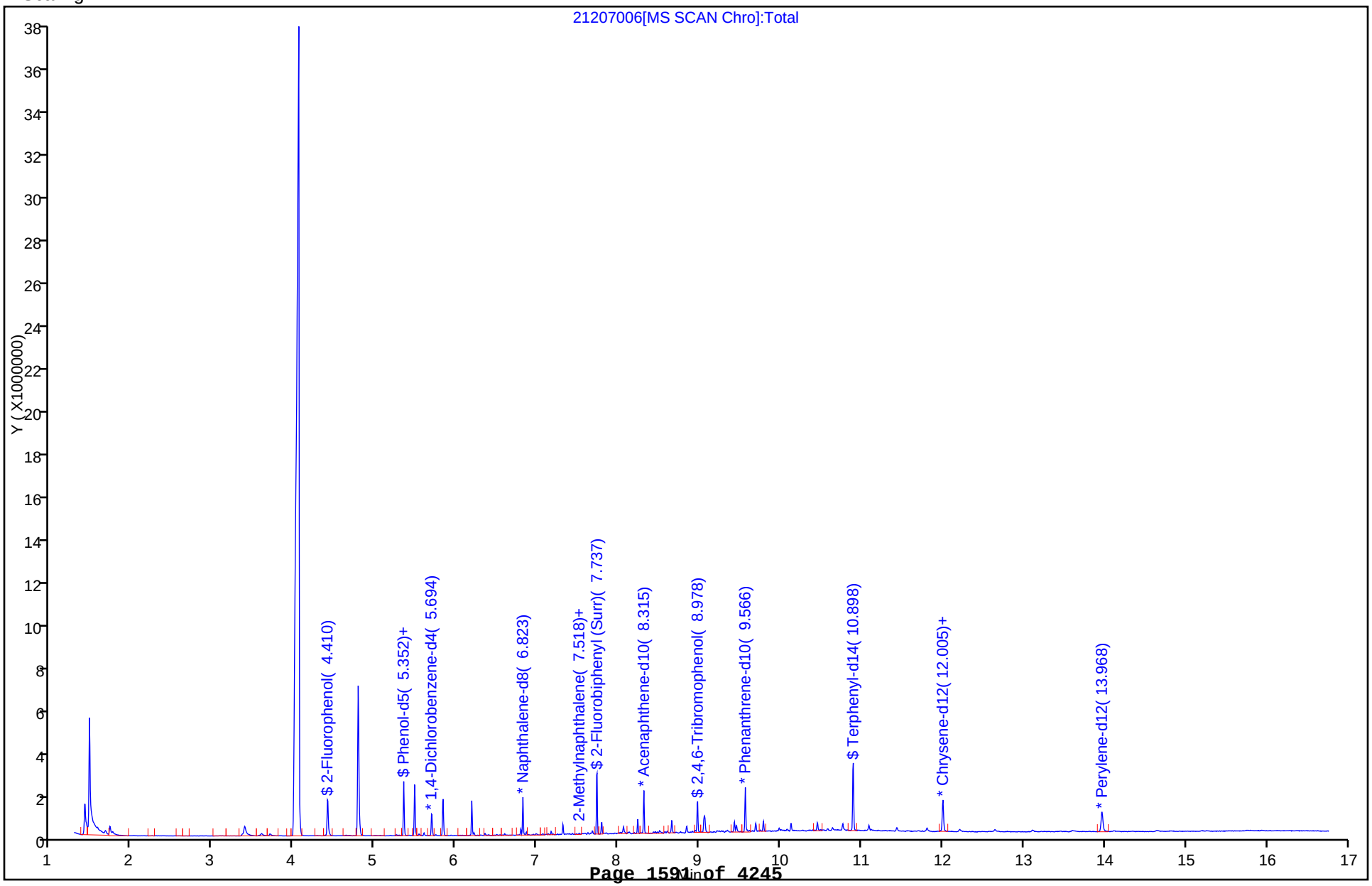
Review Flags
M - Manually Integrated

Report Date: 10-Dec-2012 11:29:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207006.D		
Injection Date:	07-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0051M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67761	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:

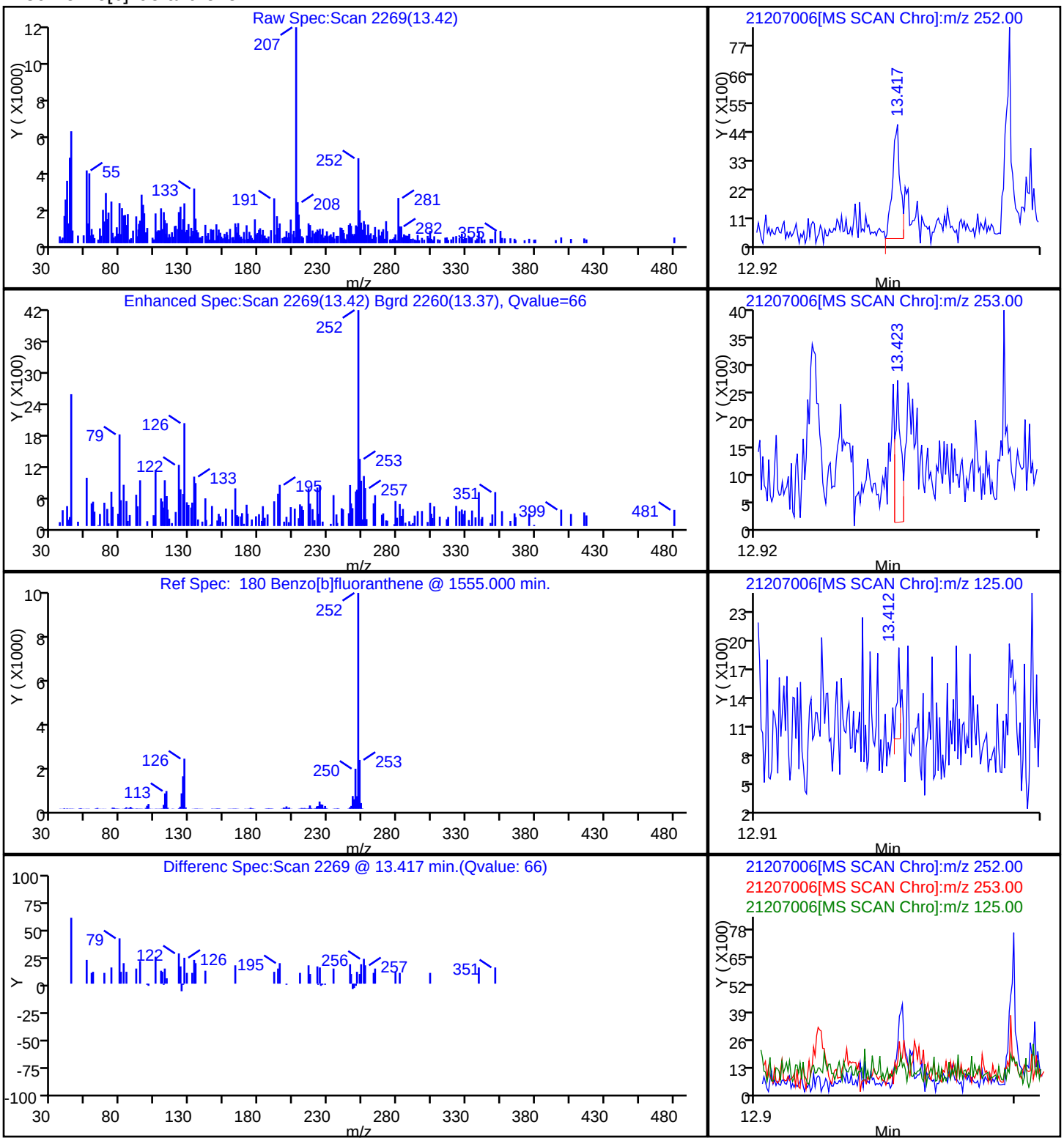


Report Date: 10-Dec-2012 11:29:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207006.D		
Injection Date:	07-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0051M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67761	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

180 Benzo[b]fluoranthene

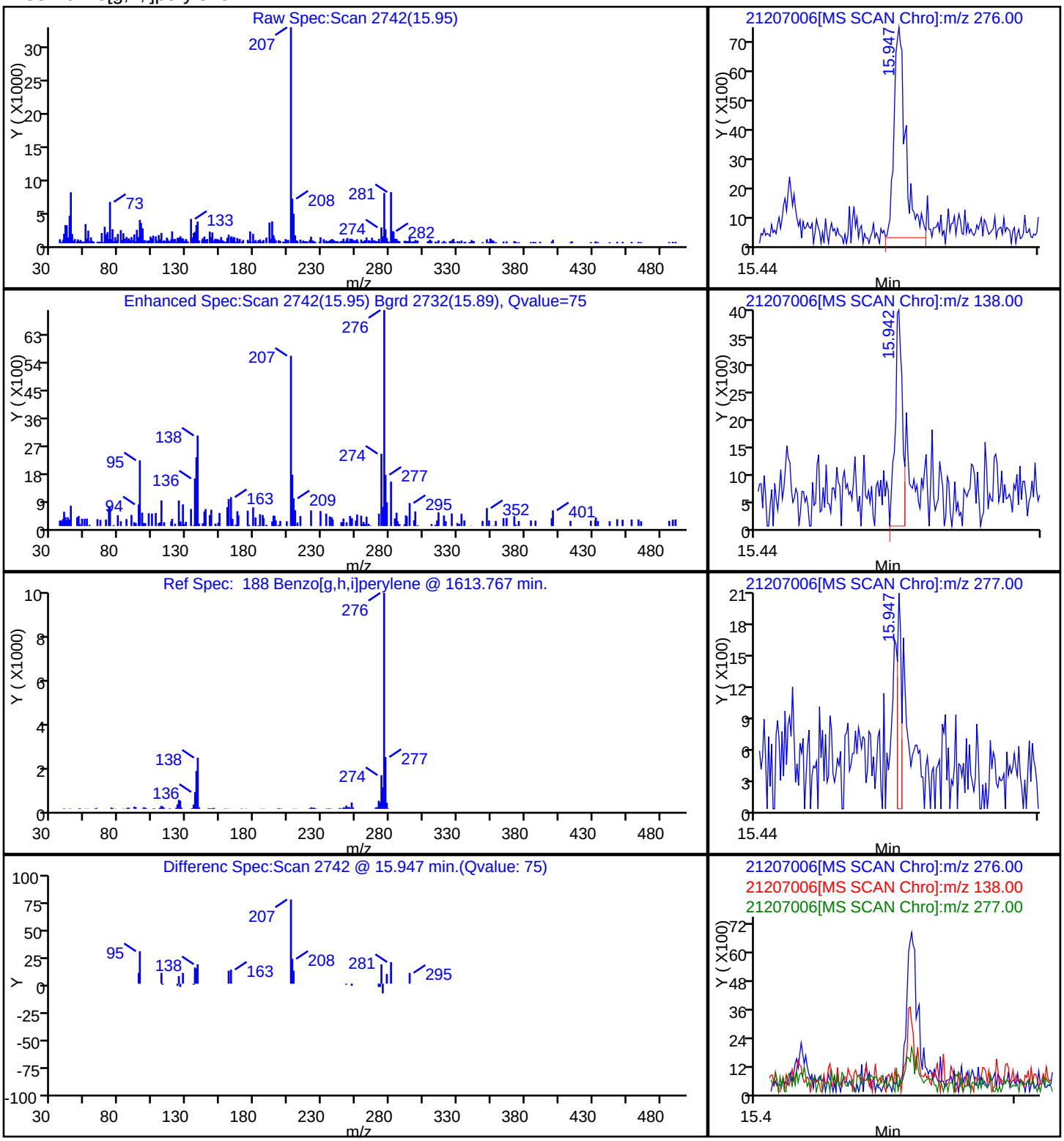


Report Date: 10-Dec-2012 11:29:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207006.D		
Injection Date:	07-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0051M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67761	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



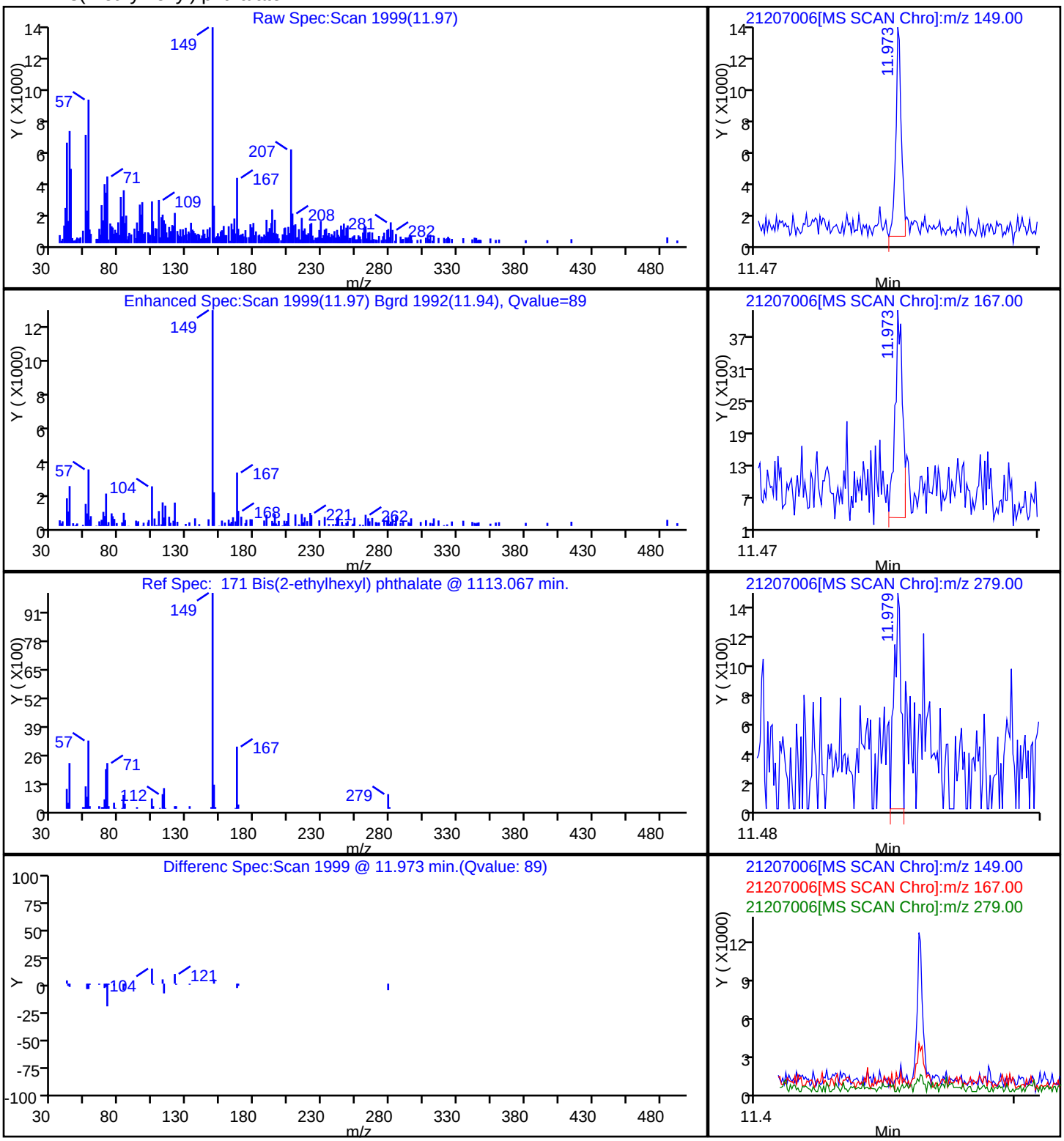
Report Date: 10-Dec-2012 11:29:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207006.D

Injection Date:	07-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0051M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67761	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

171 Bis(2-ethylhexyl) phthalate



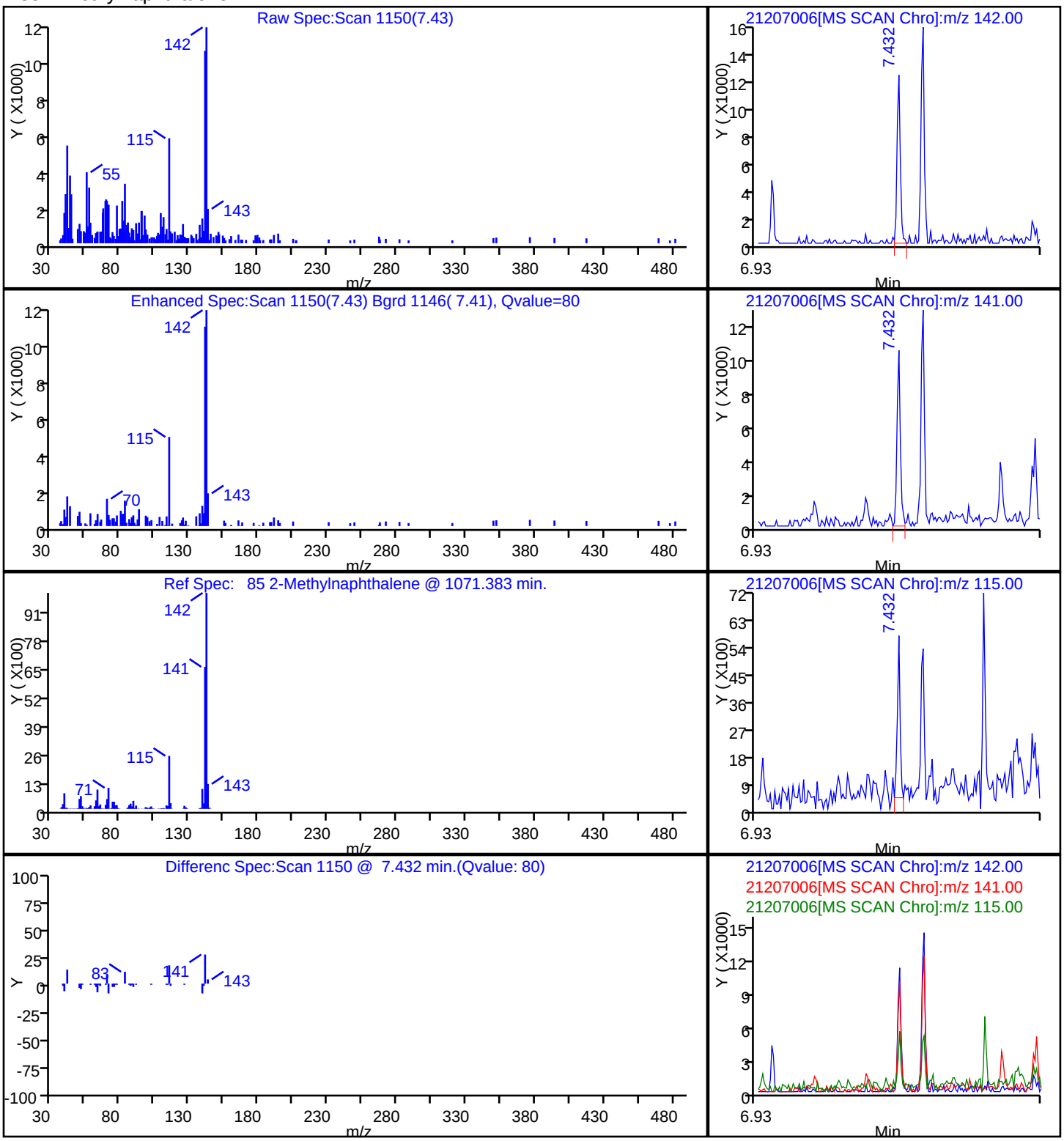
Report Date: 10-Dec-2012 11:29:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207006.D

Injection Date:	07-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0051M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67761	Lims Sample ID:	6
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

85 2-Methylnaphthalene



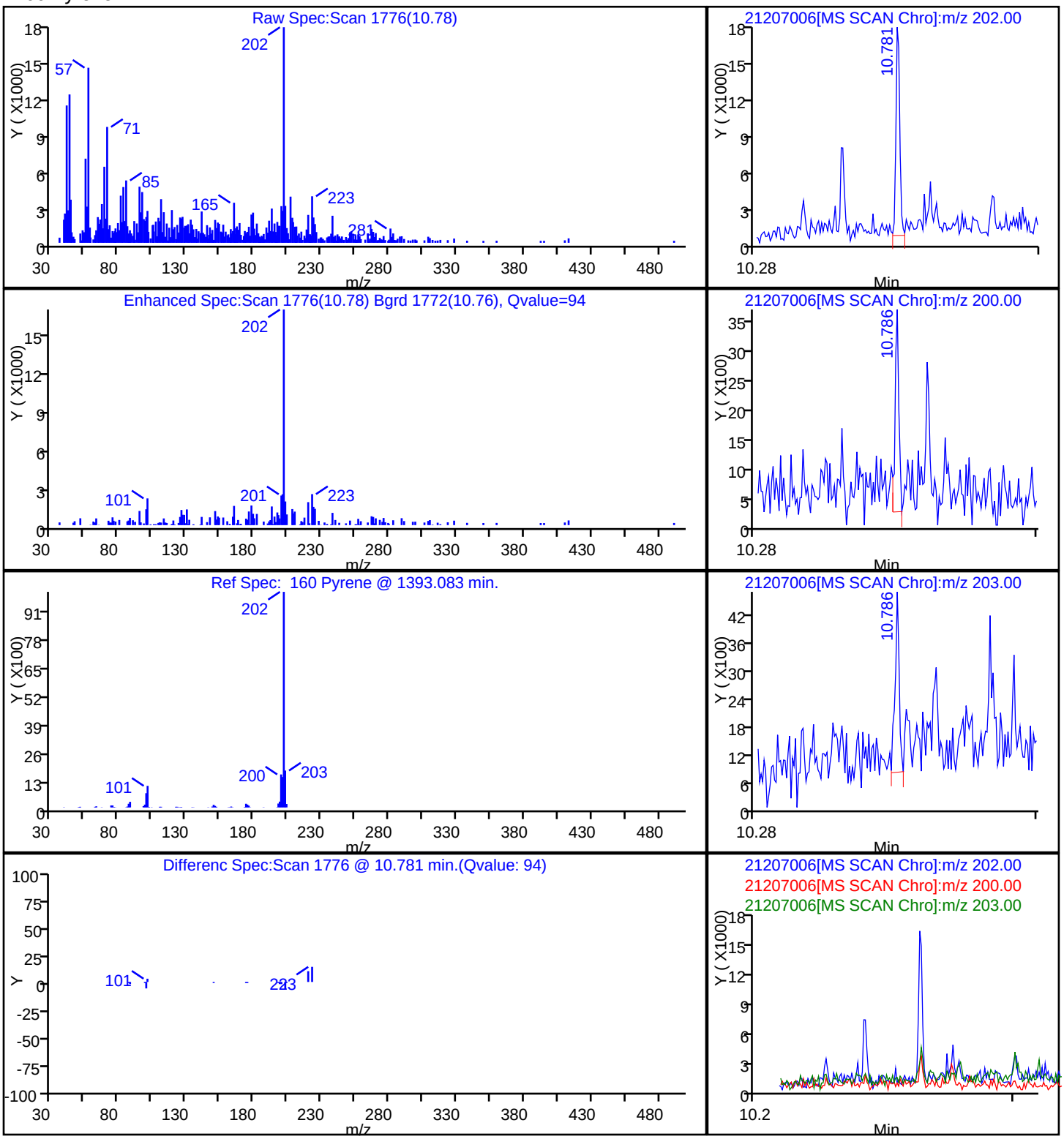
Report Date: 10-Dec-2012 11:29:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207006.D

Injection Date:	07-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0051M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67761	Lims Sample ID:	6
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

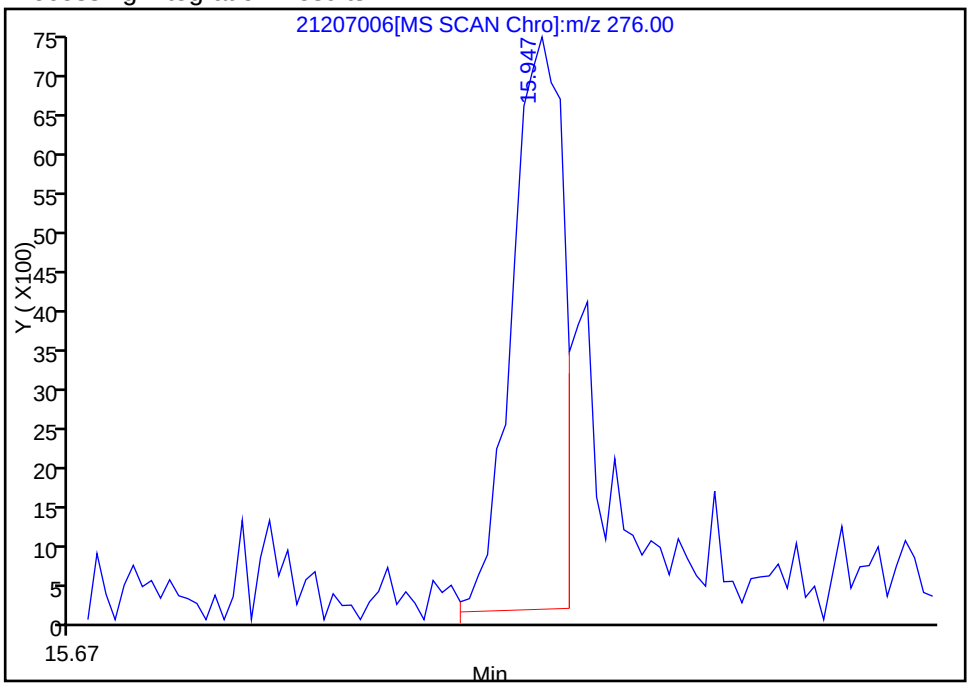
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207006.D		
Injection Date:	07-Dec-2012 12:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:	076SB-0051M-0001-SO	Instrument ID:	A4HP7
Lims Batch ID:	67761	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: 15.95

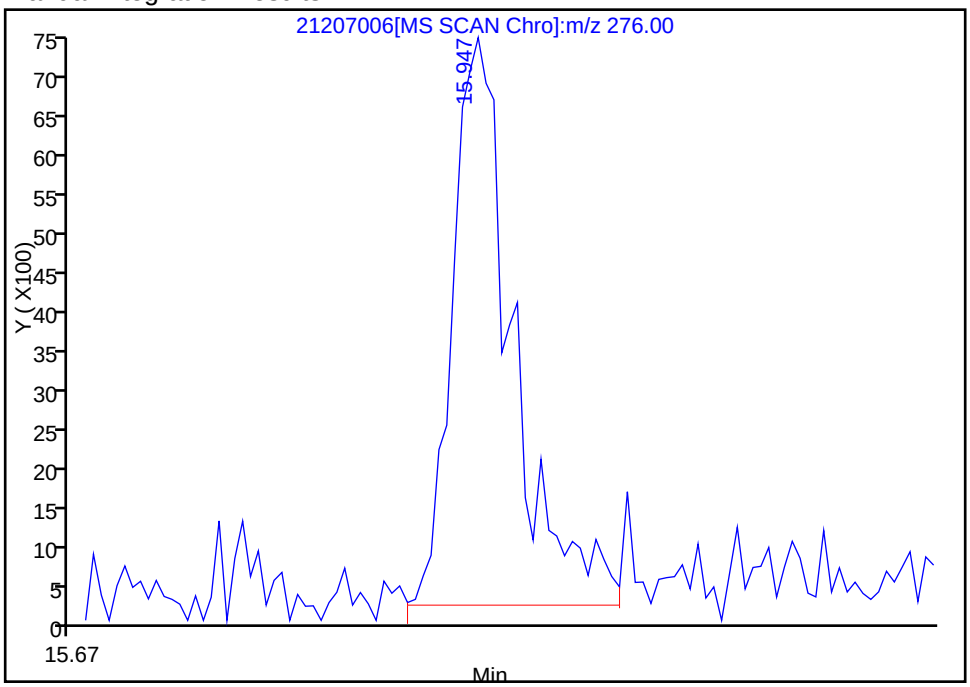
Processing Integration Results

RT: 15.95
Response: 15266
Amount: 0.104520



Manual Integration Results

RT: 15.95
Response: 20715
Amount: 0.141827



Reviewer: gruberj, 07-Dec-2012 13:14:59
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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.: 240-17796-1 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

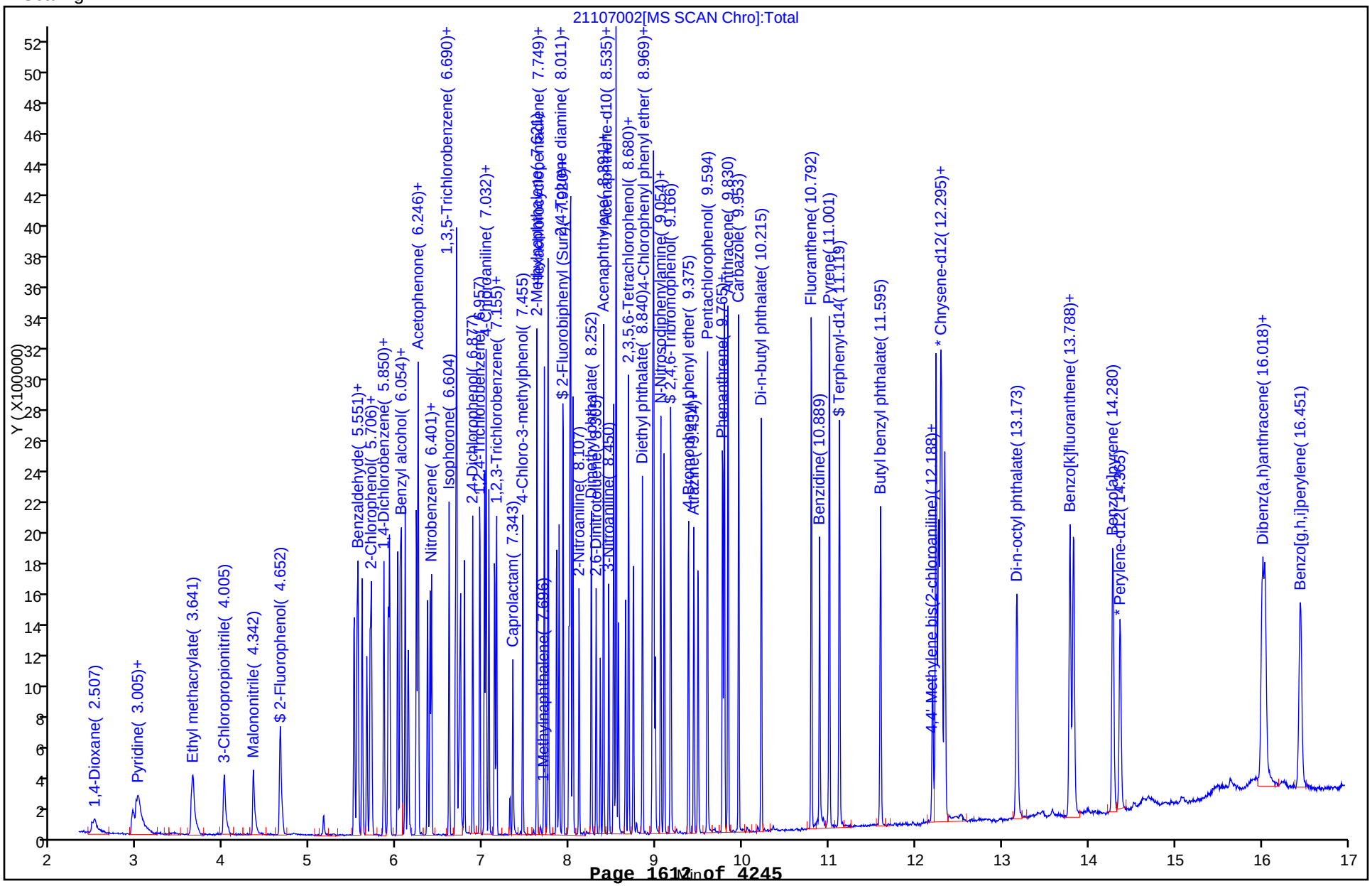
Report Date: 08-Nov-2012 13:38:05 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

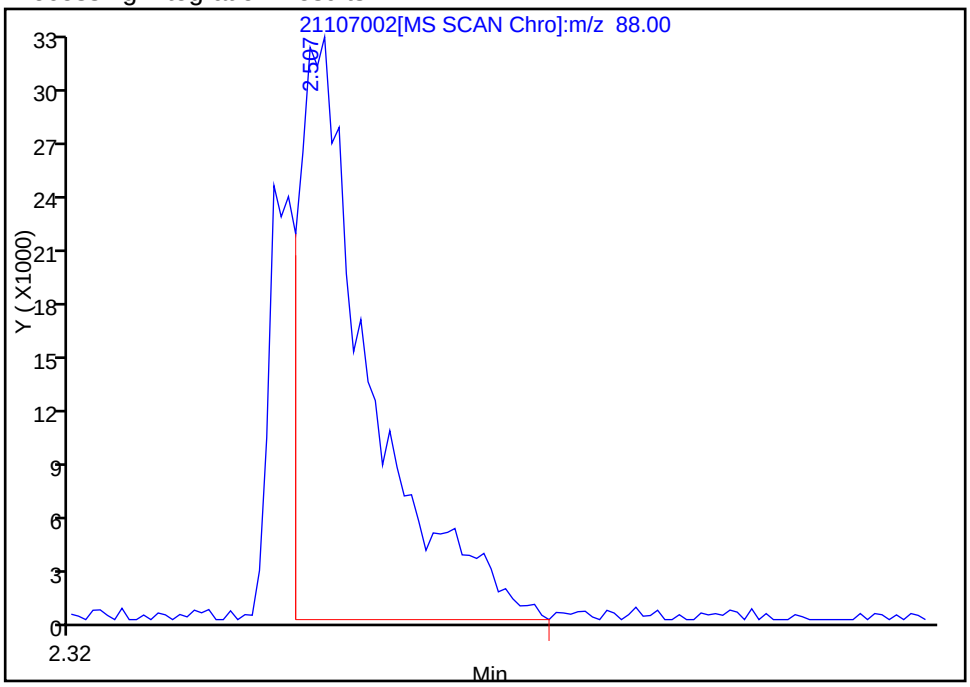
TestAmerica Canton

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

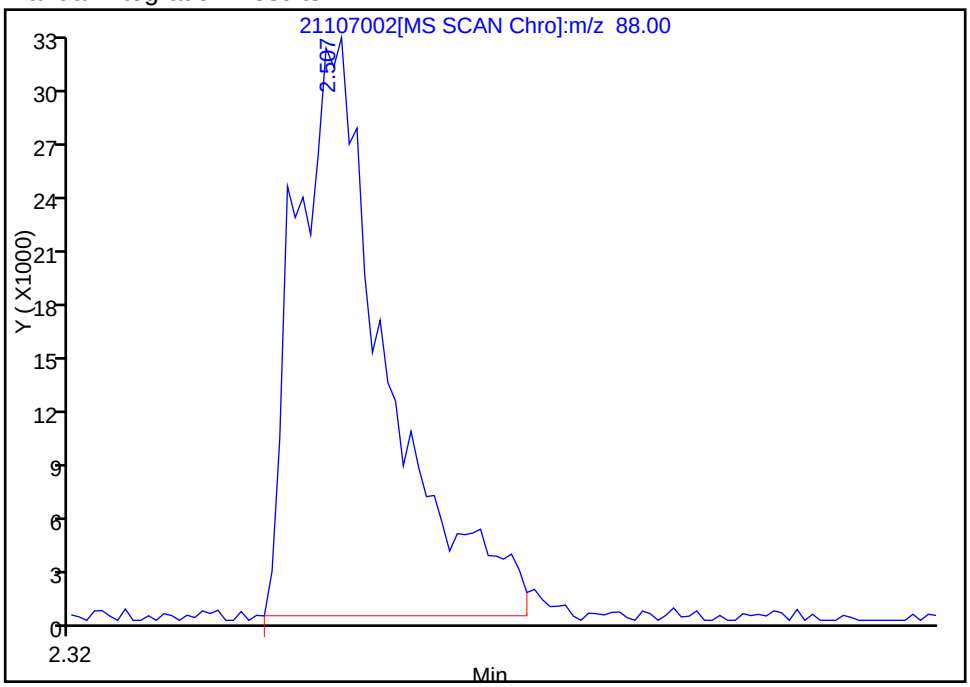
Processing Integration Results

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	

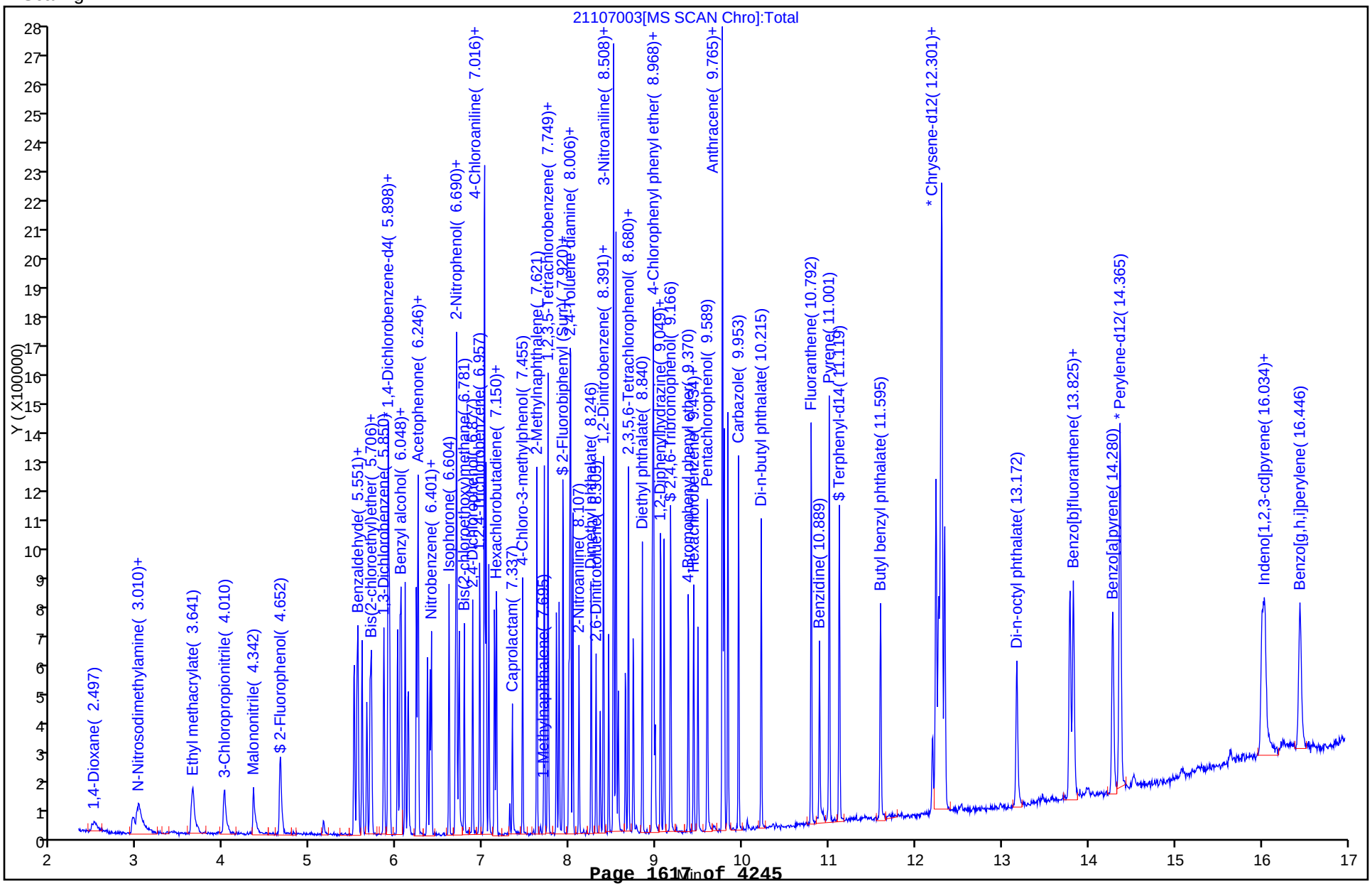
Report Date: 08-Nov-2012 13:38:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

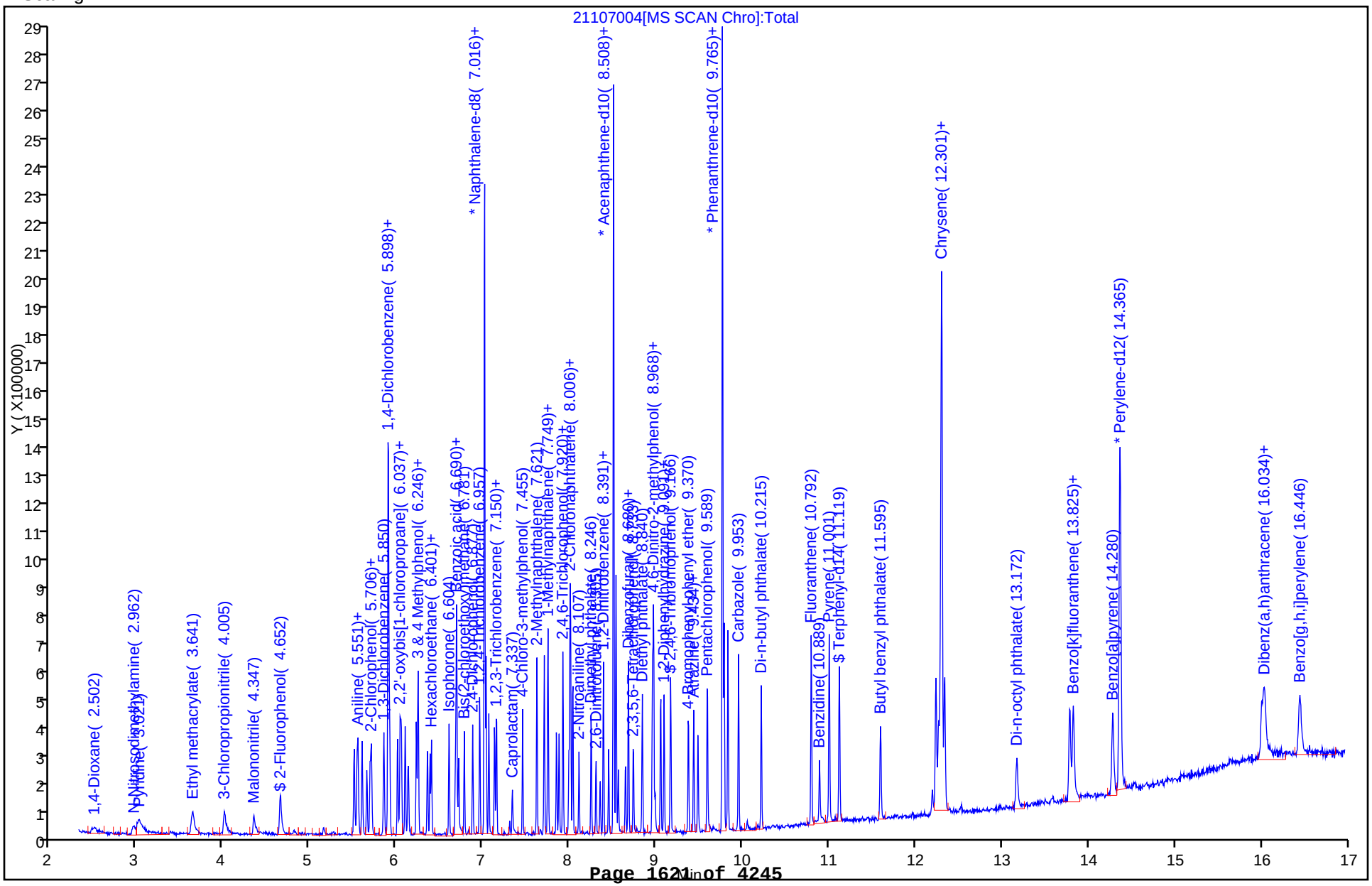
Report Date: 08-Nov-2012 13:38:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

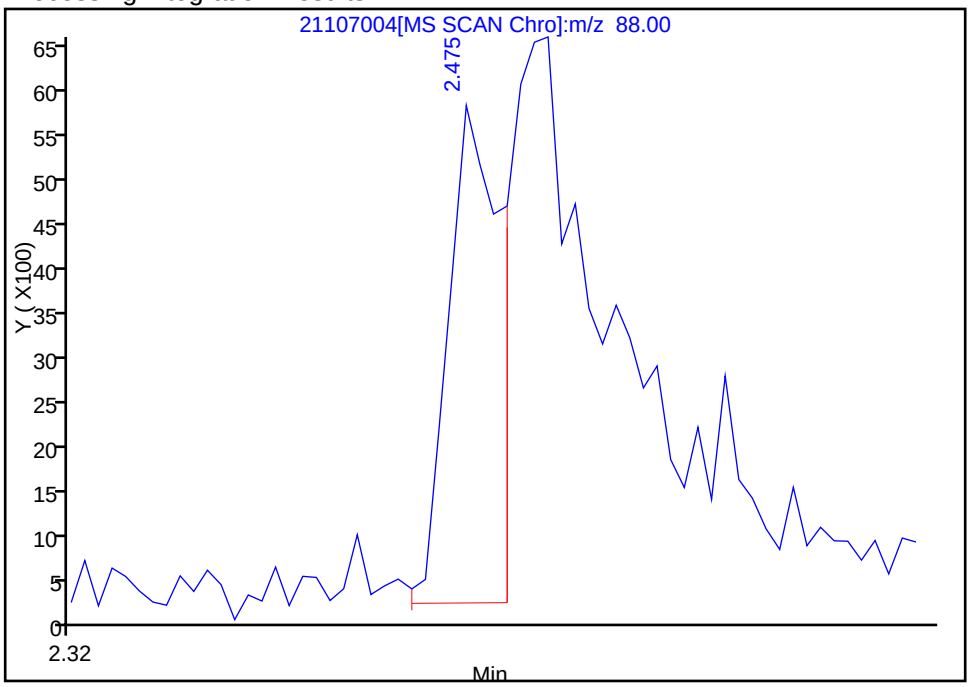
TestAmerica Canton

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

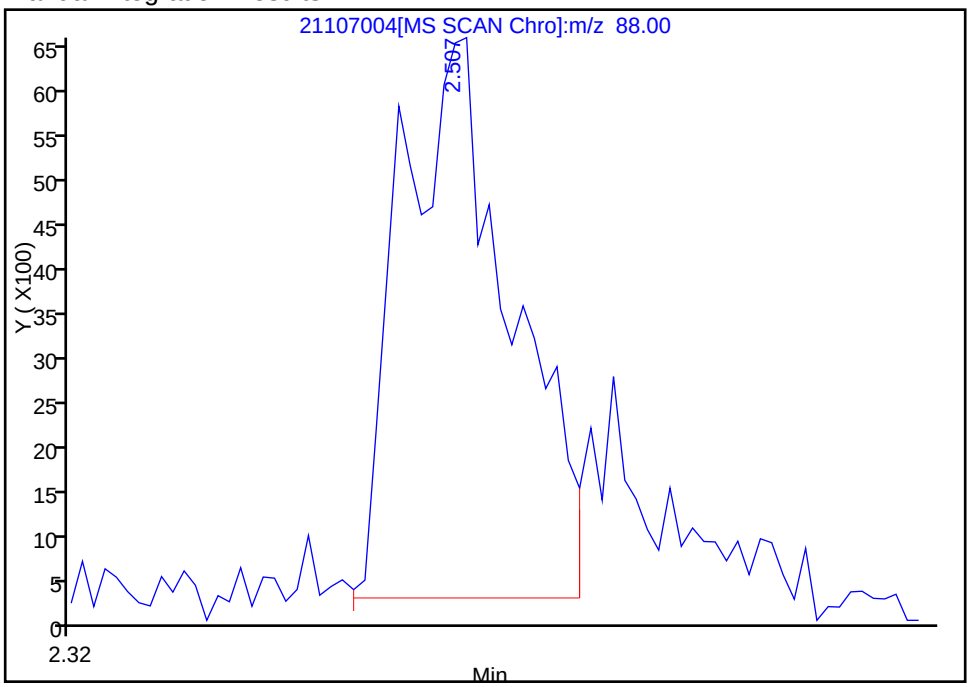
Processing Integration Results

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

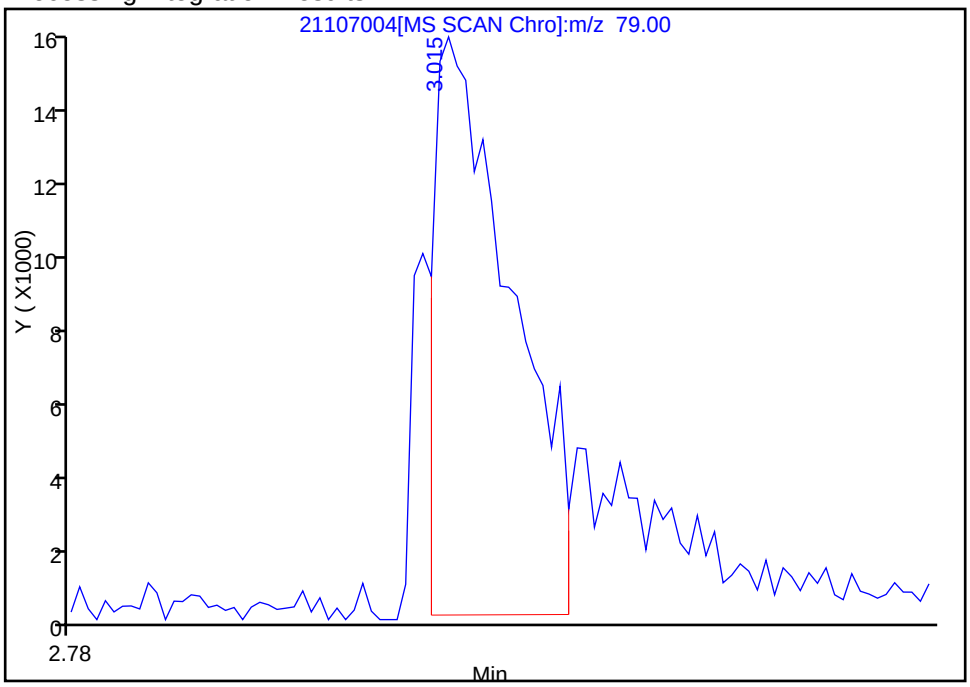
TestAmerica Canton

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

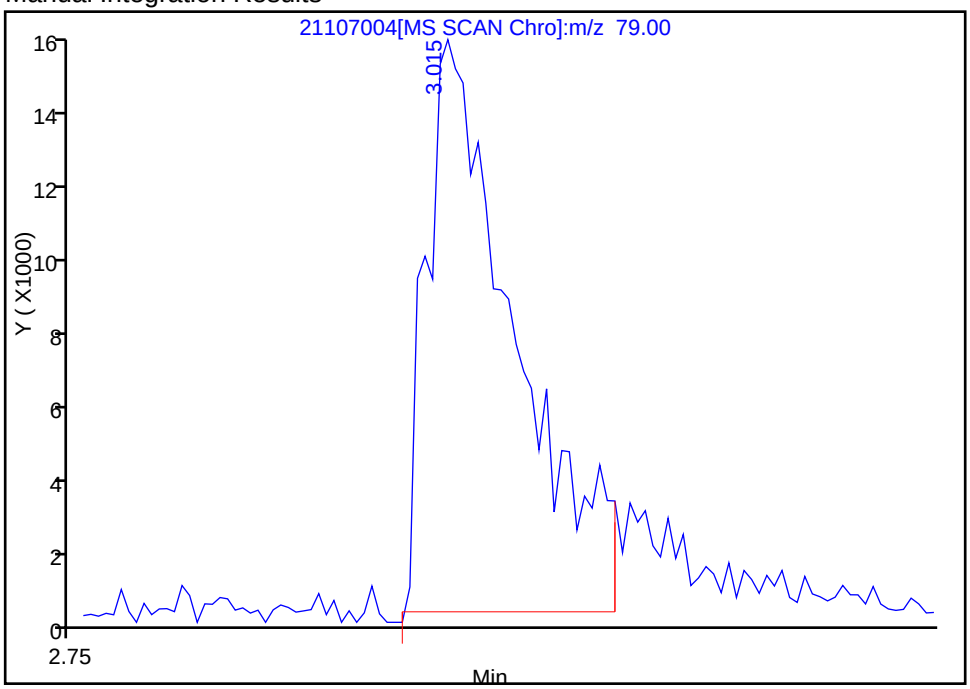
Processing Integration Results

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

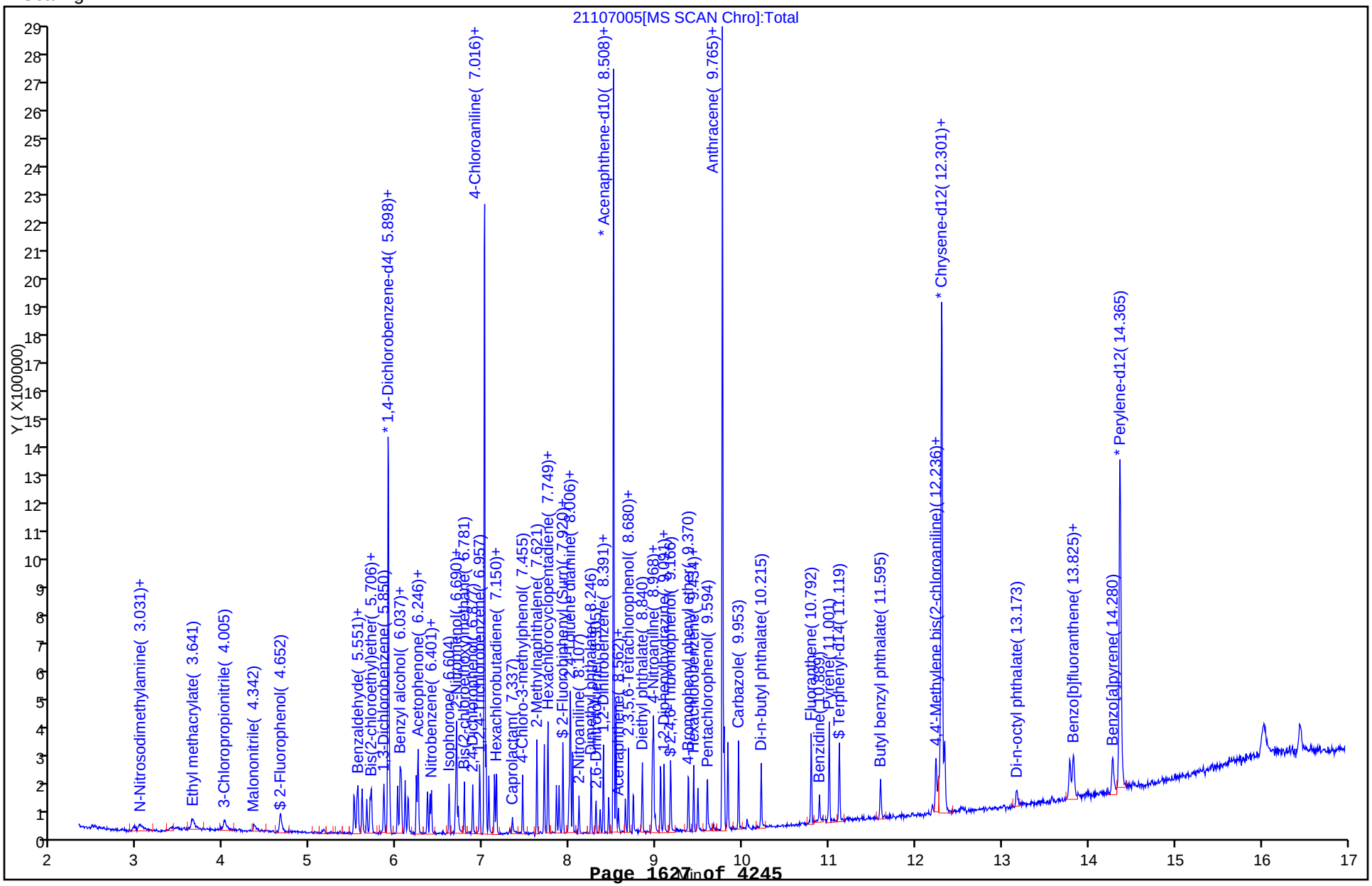
Review Flags
M - Manually Integrated

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

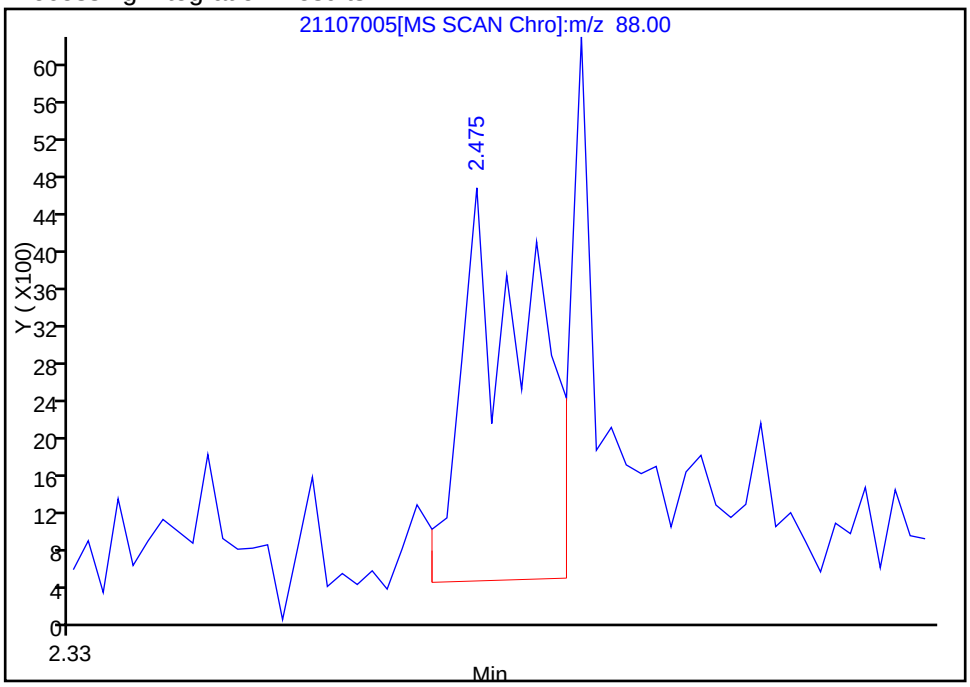
TestAmerica Canton

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

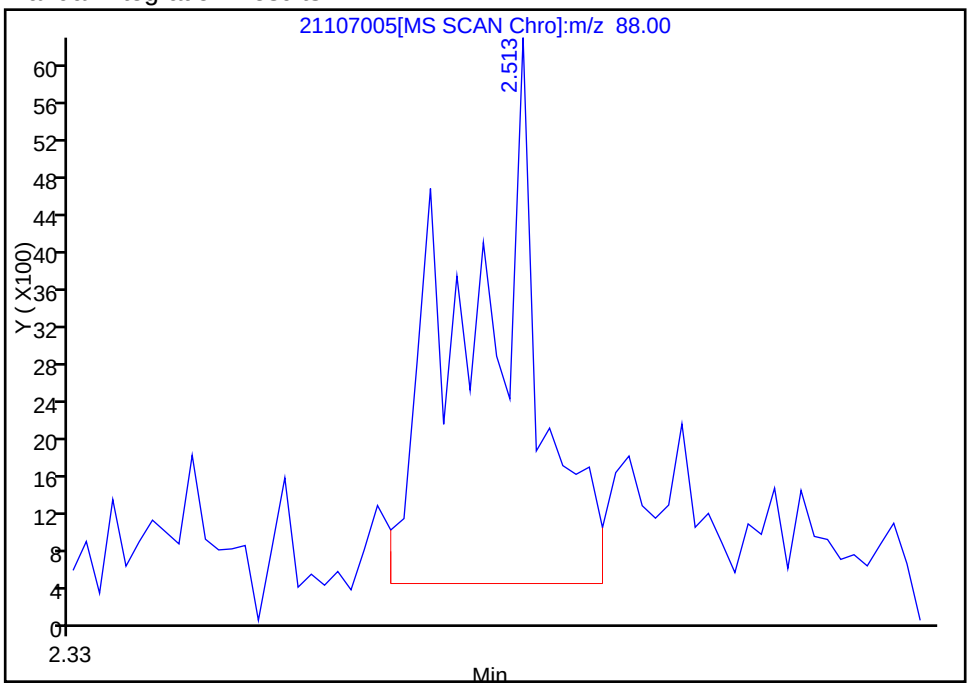
Processing Integration Results

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

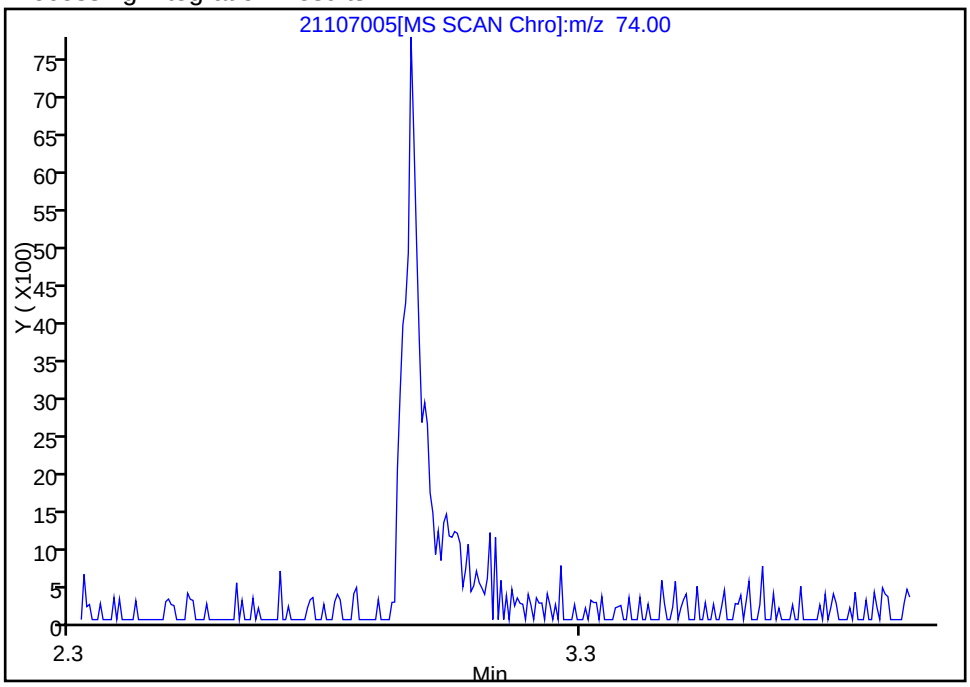
TestAmerica Canton

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

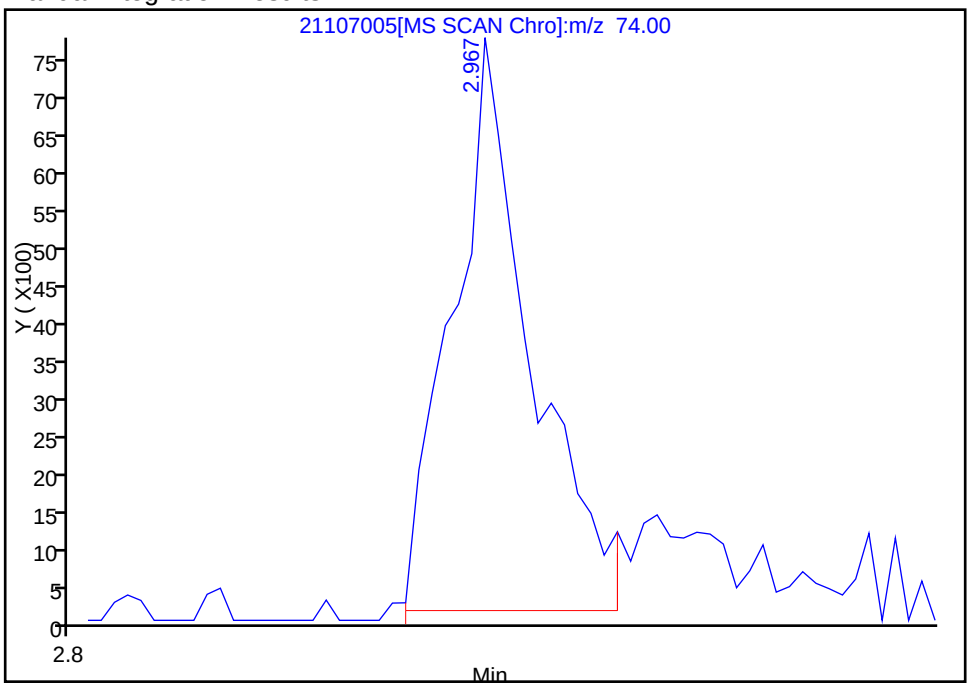
Not Detected
Expected RT: 2.95

Processing Integration Results



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

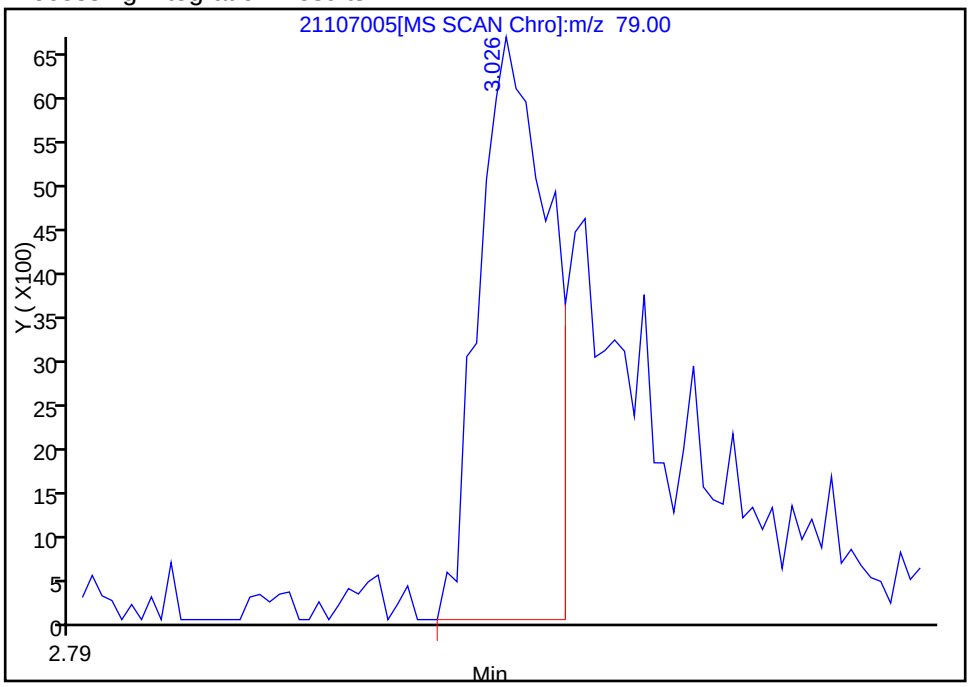
TestAmerica Canton

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

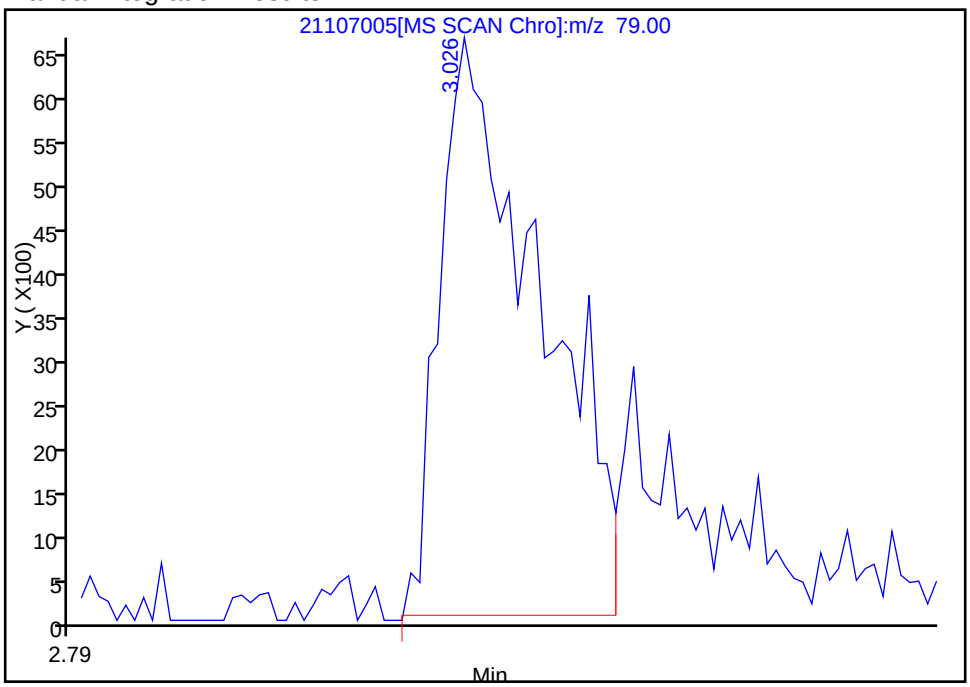
Processing Integration Results

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

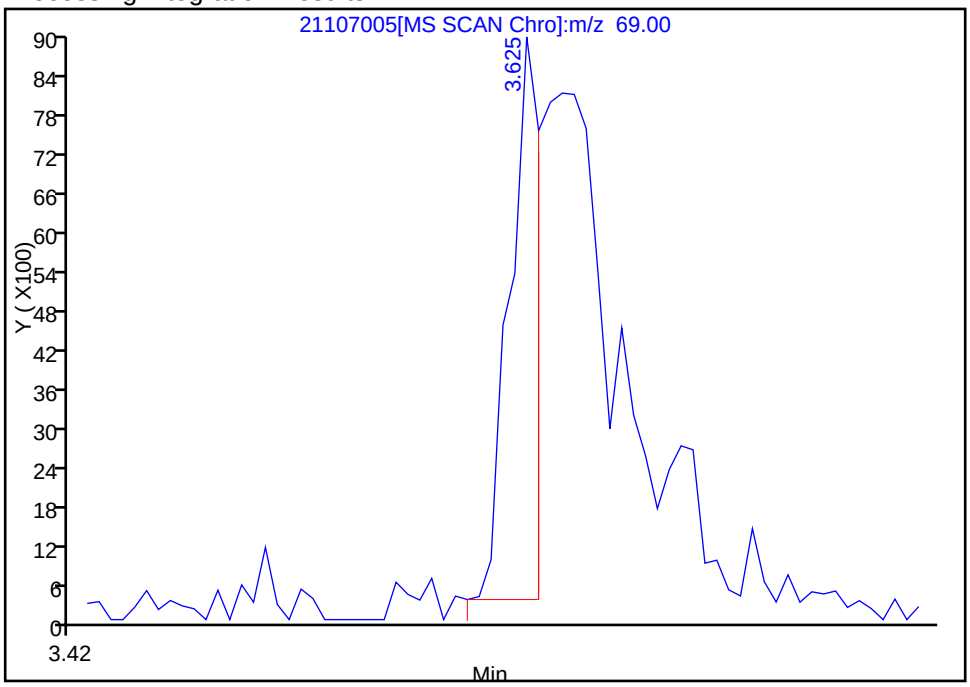
TestAmerica Canton

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

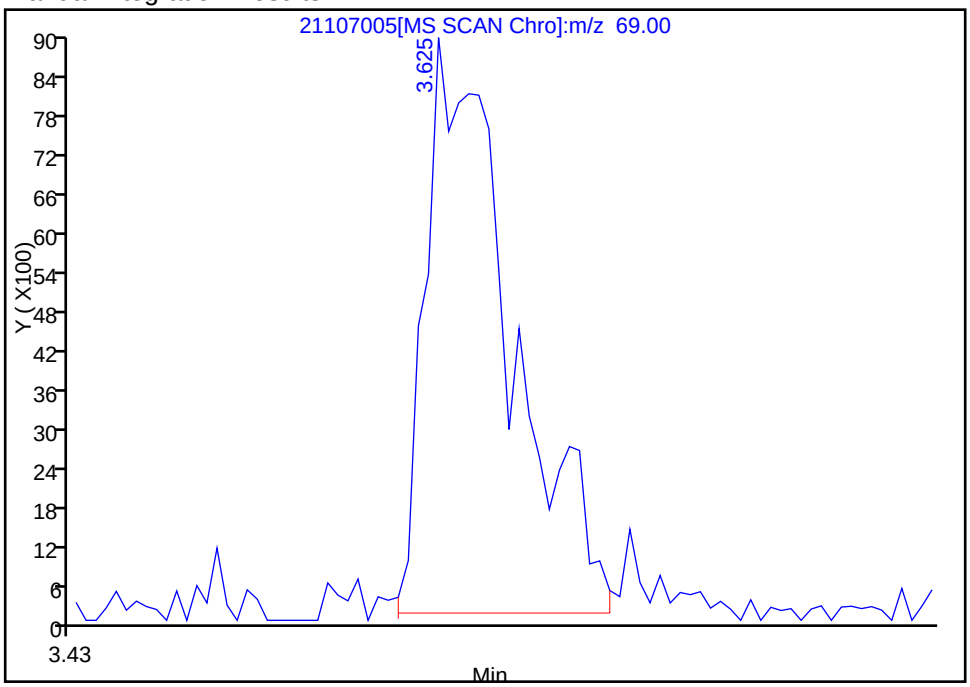
Processing Integration Results

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

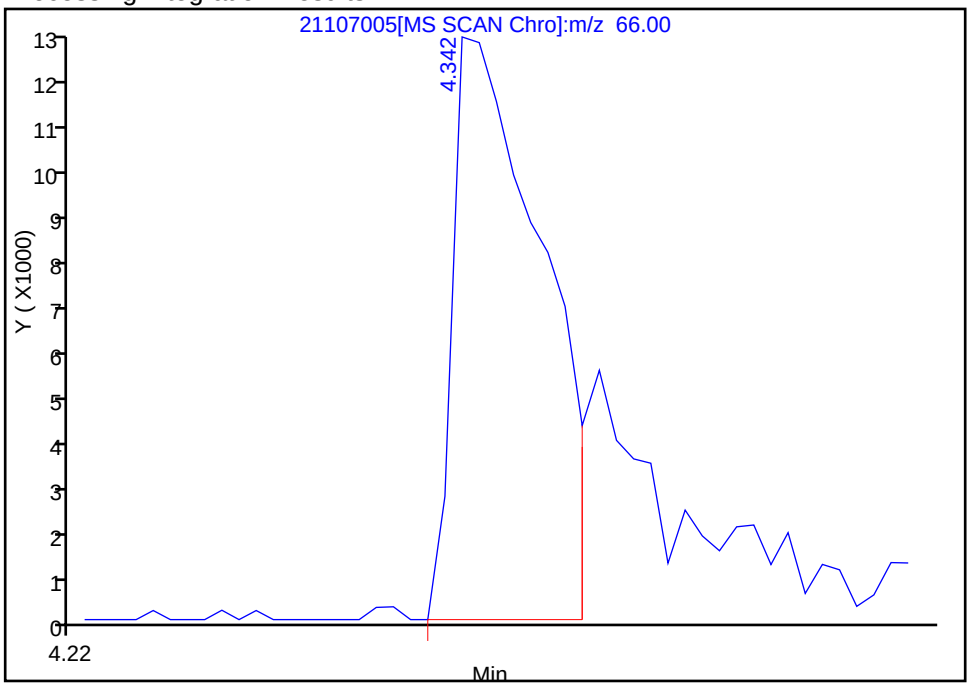
TestAmerica Canton

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

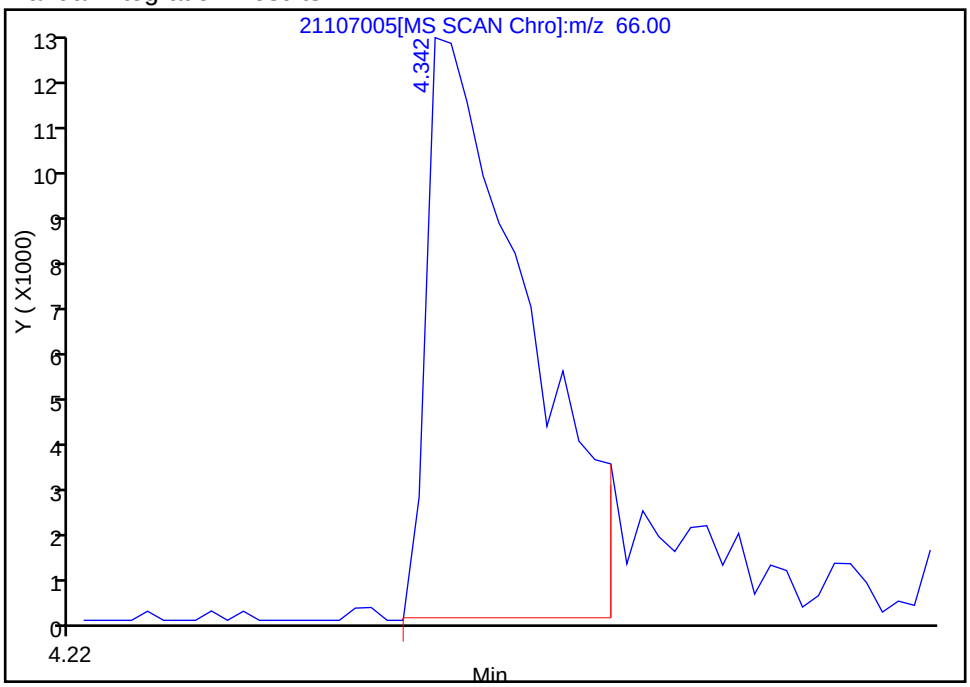
Processing Integration Results

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

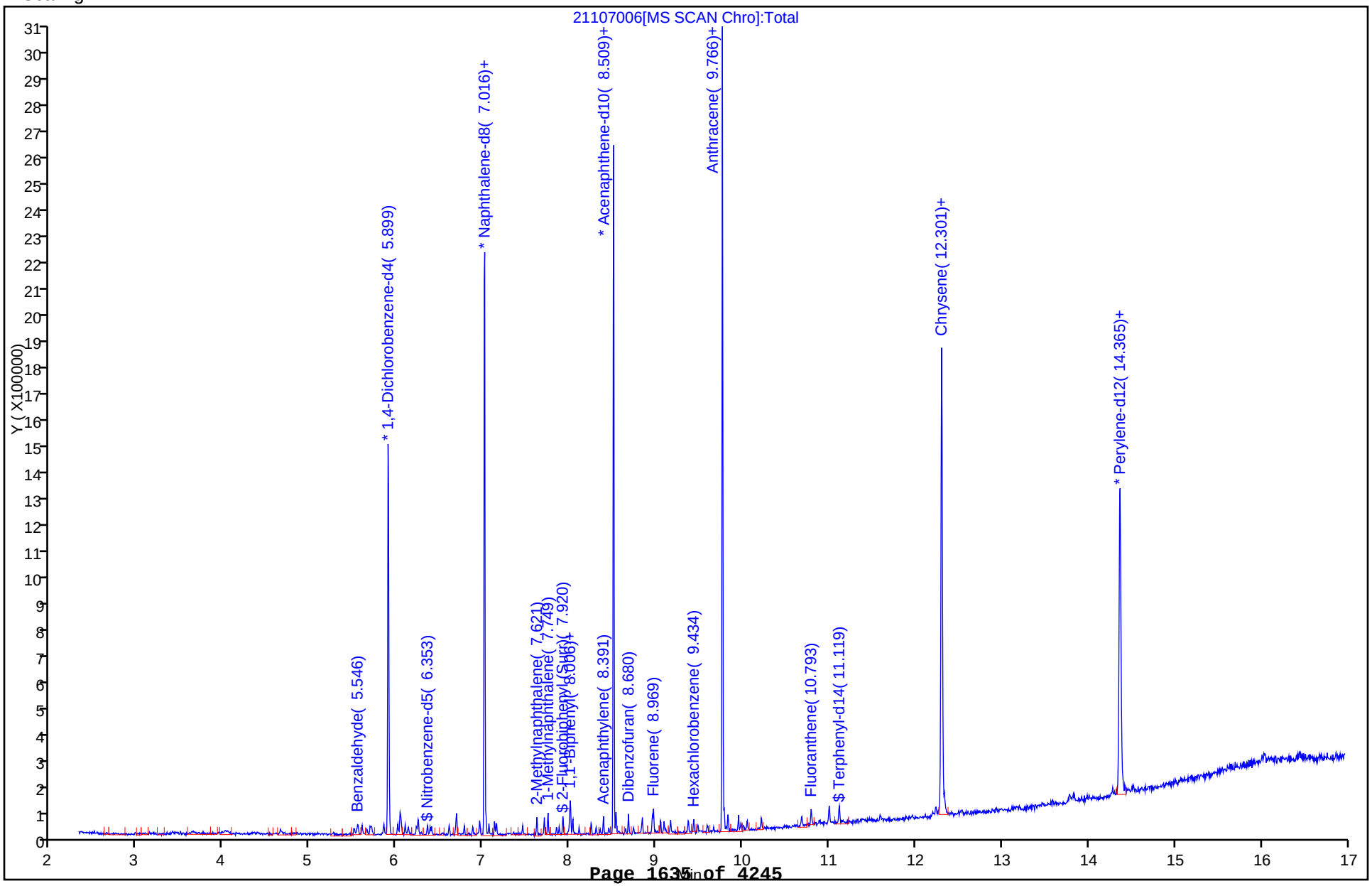
Report Date: 08-Nov-2012 13:38:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

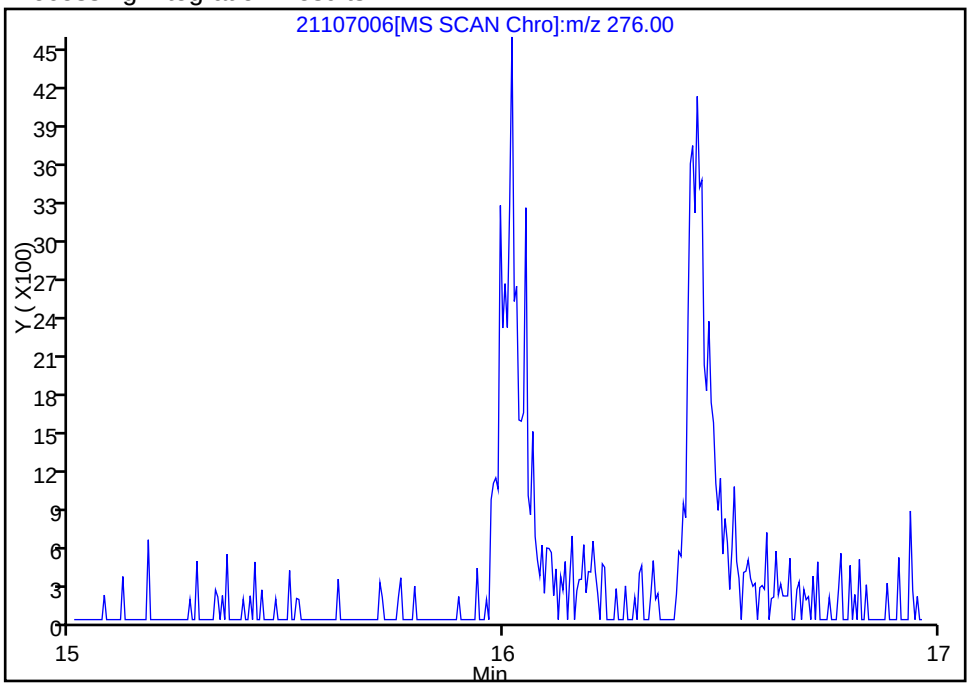
TestAmerica Canton

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

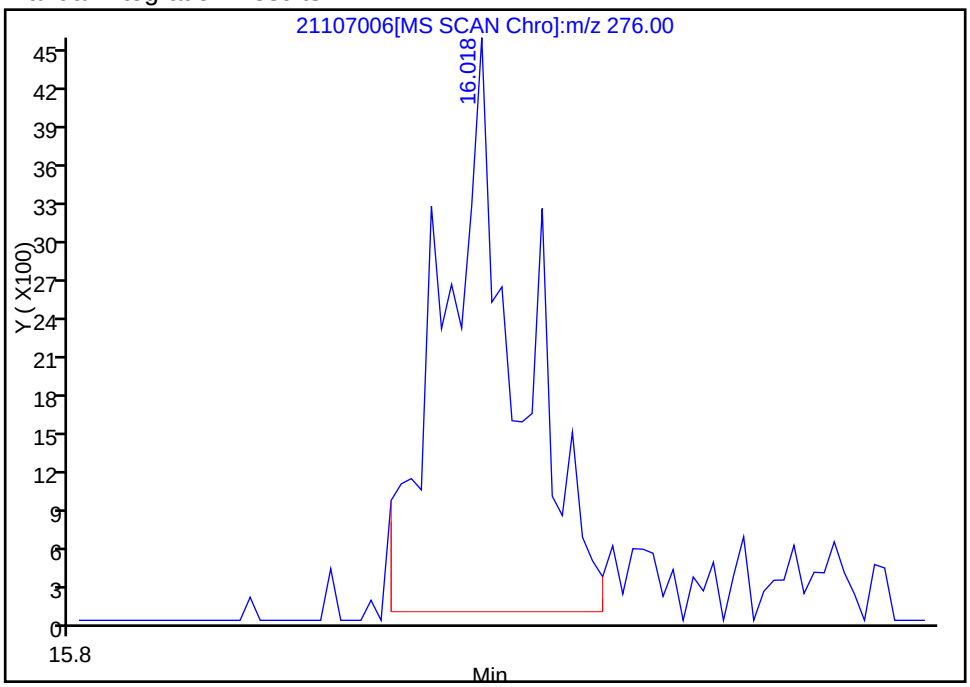
Not Detected
Expected RT: 16.01

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

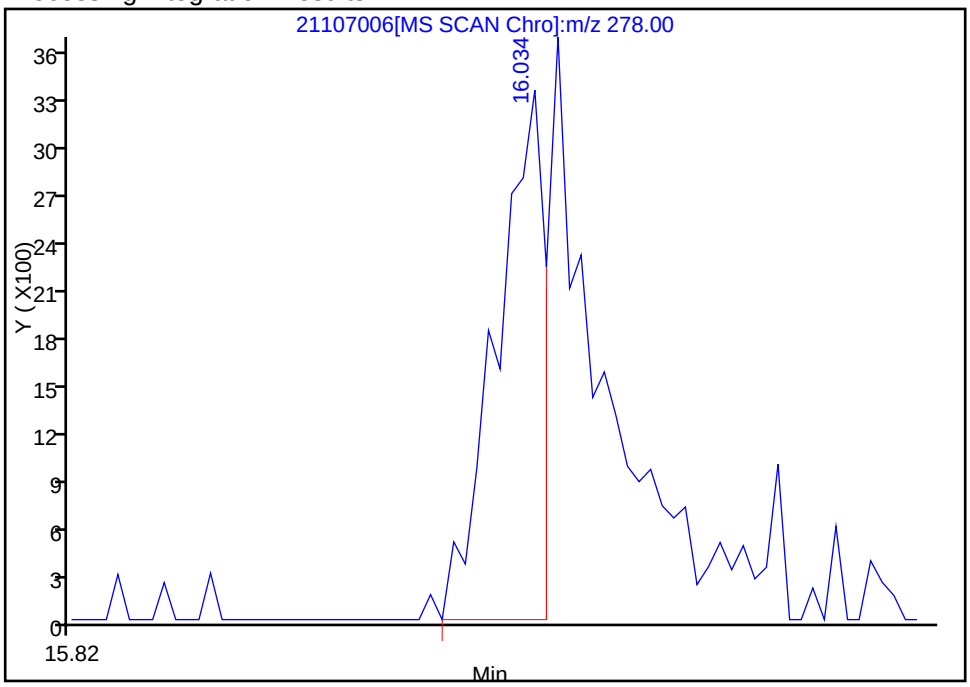
TestAmerica Canton

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

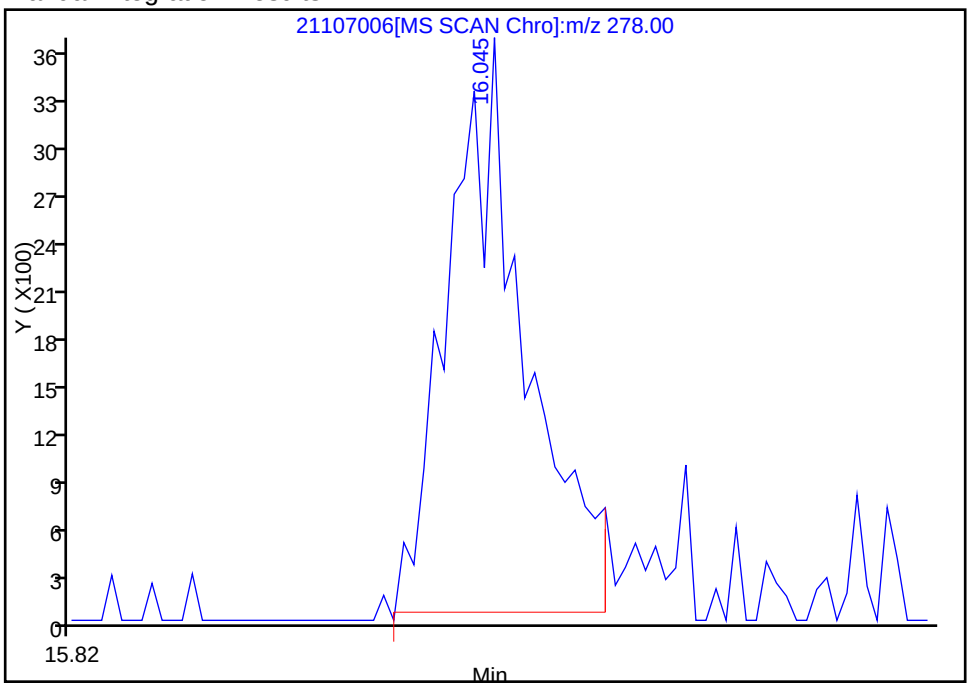
Processing Integration Results

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

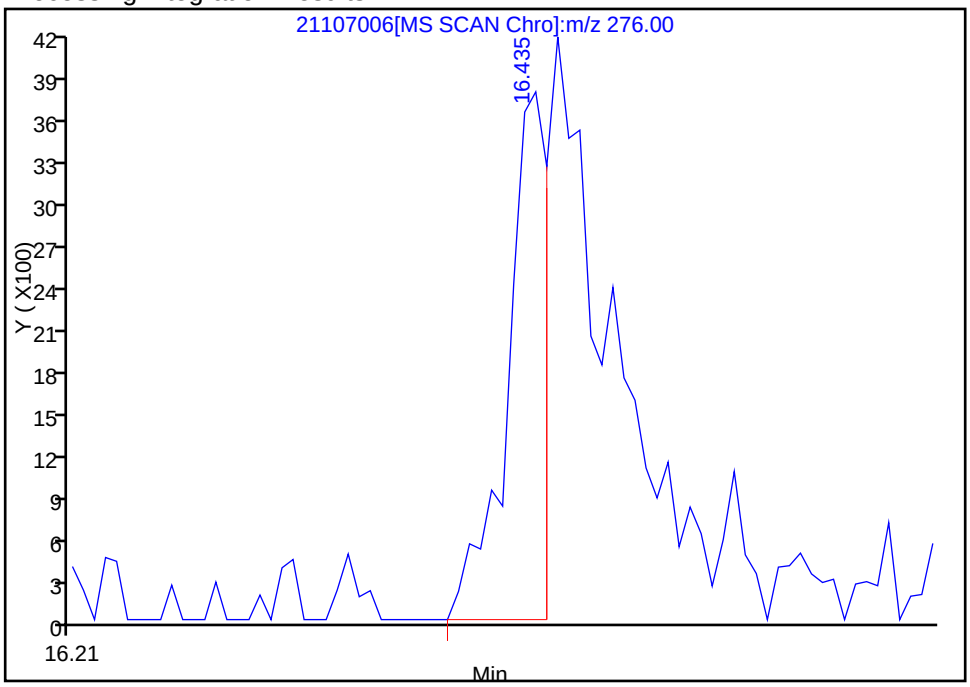
TestAmerica Canton

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

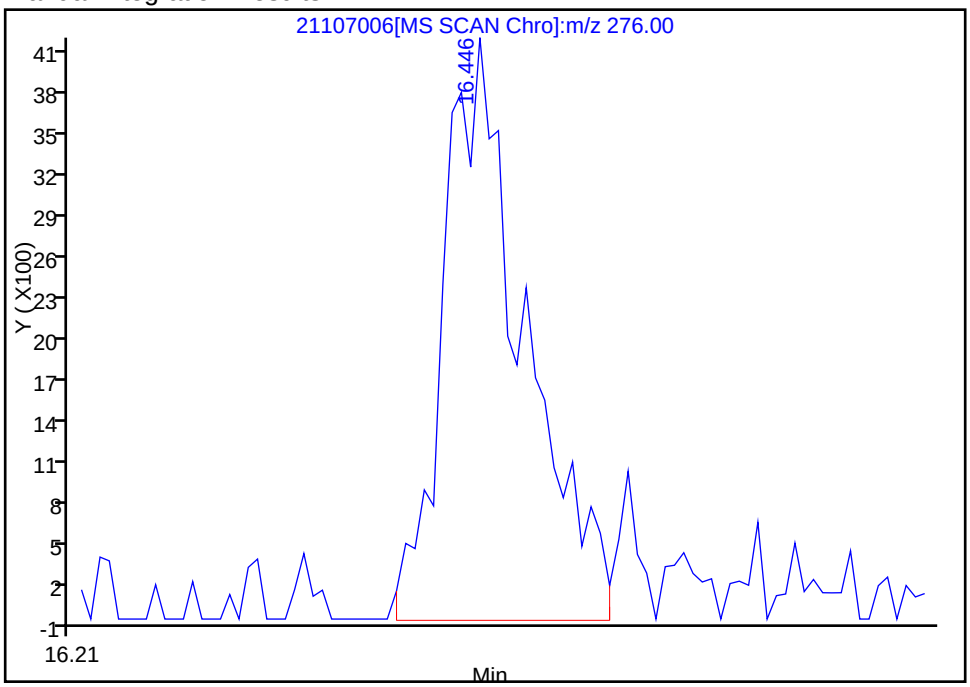
Processing Integration Results

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	

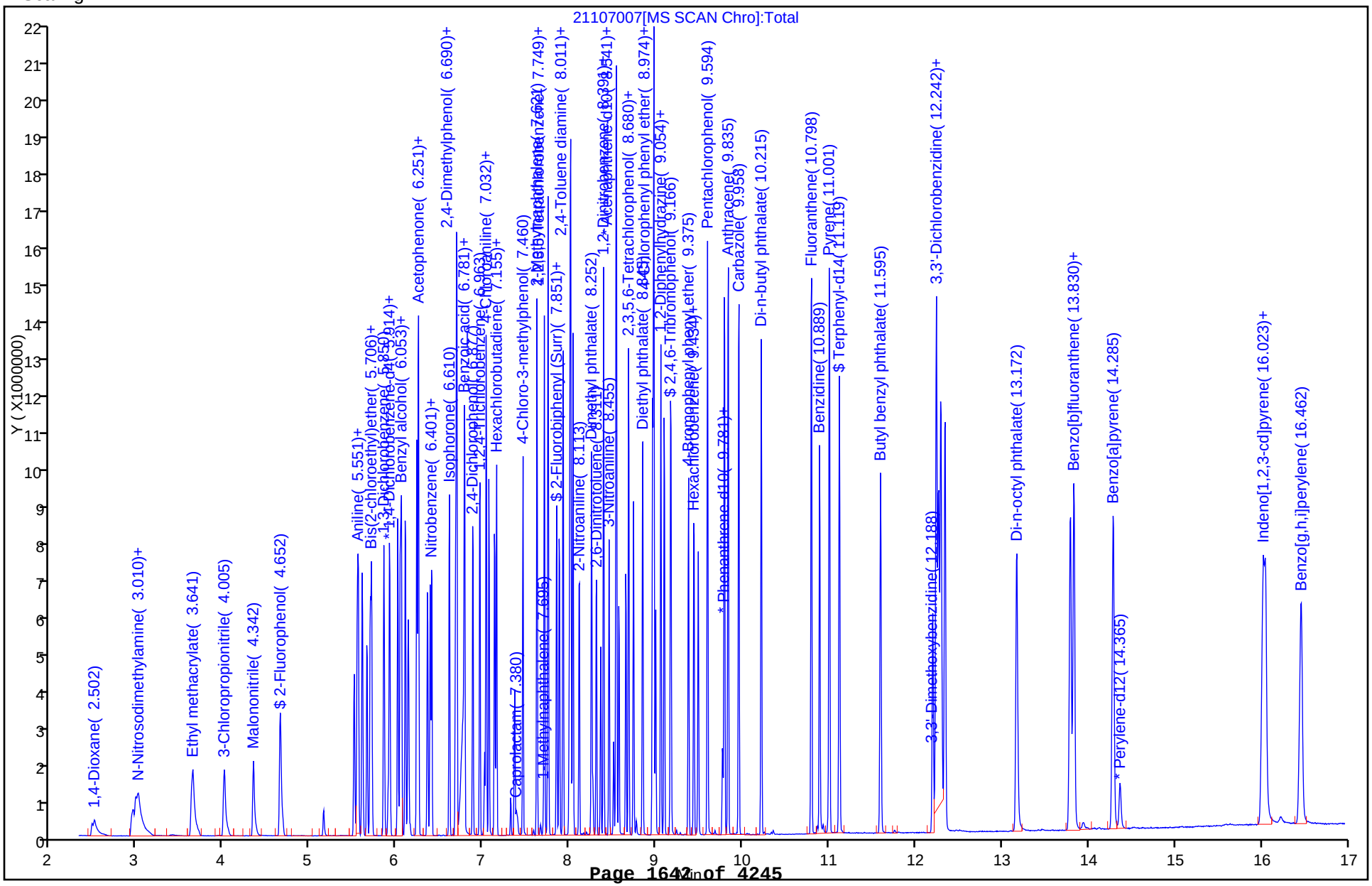
Report Date: 08-Nov-2012 13:38:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

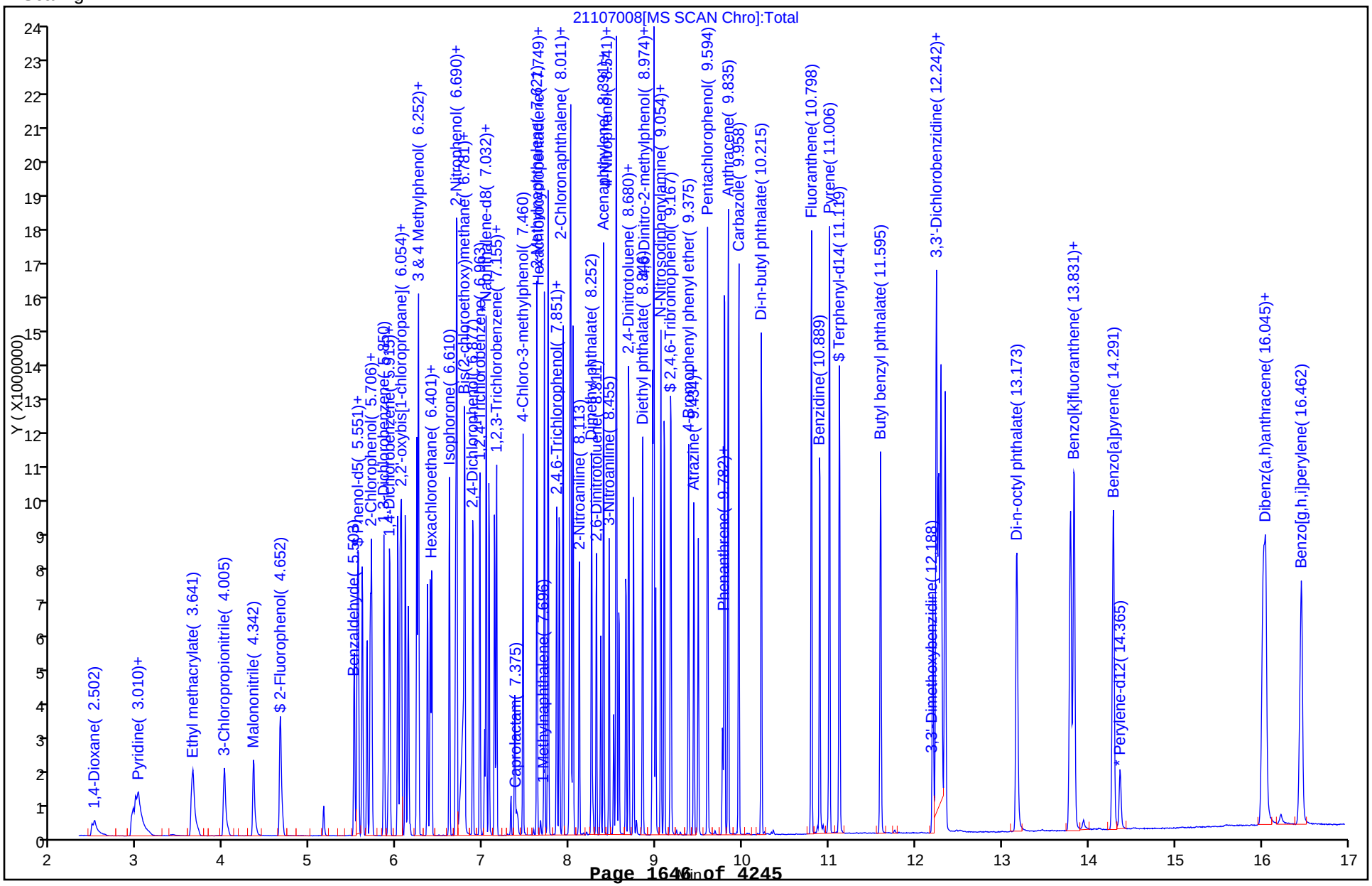
Report Date: 08-Nov-2012 13:38:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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	

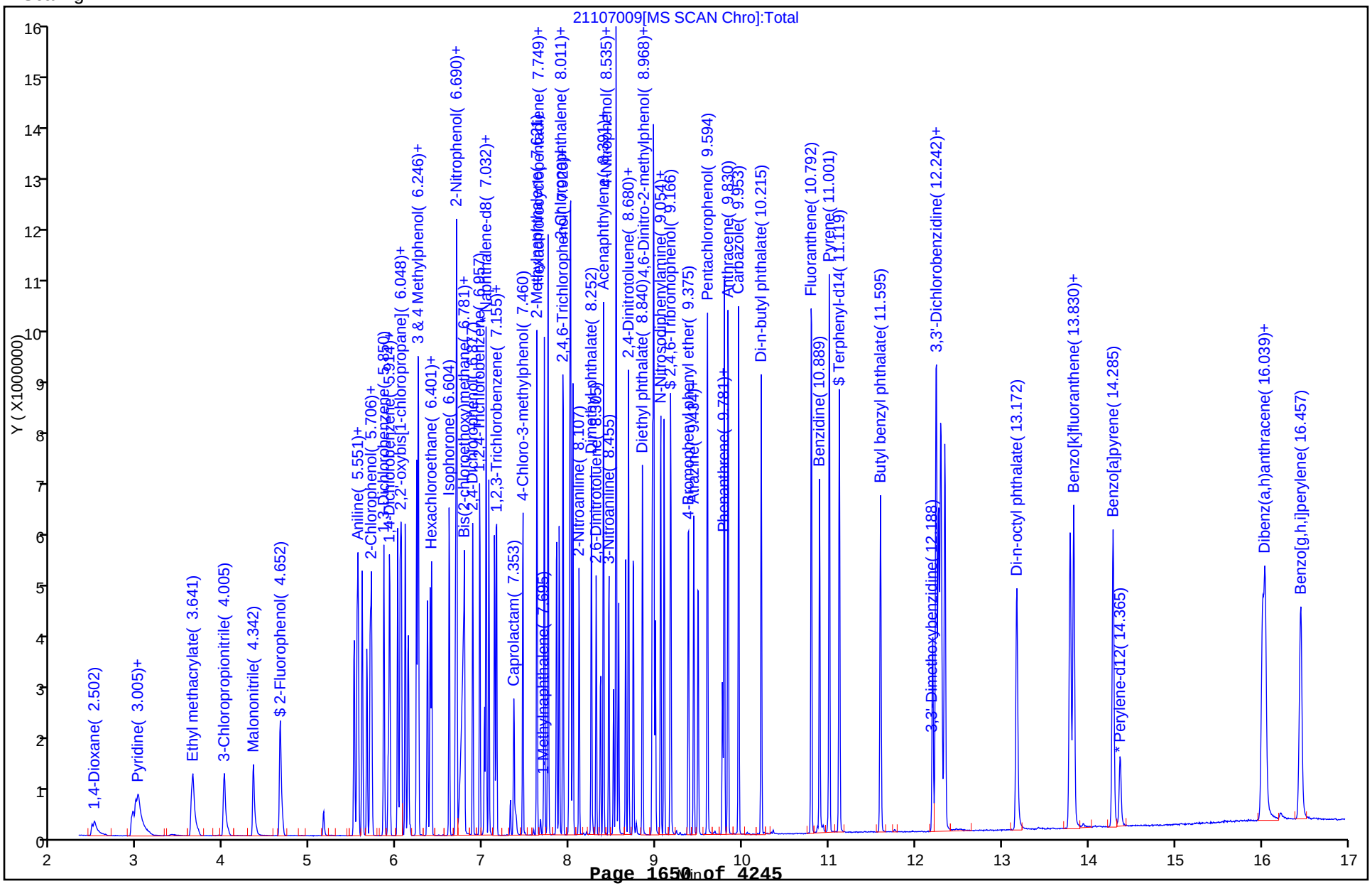
Report Date: 08-Nov-2012 13:38:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

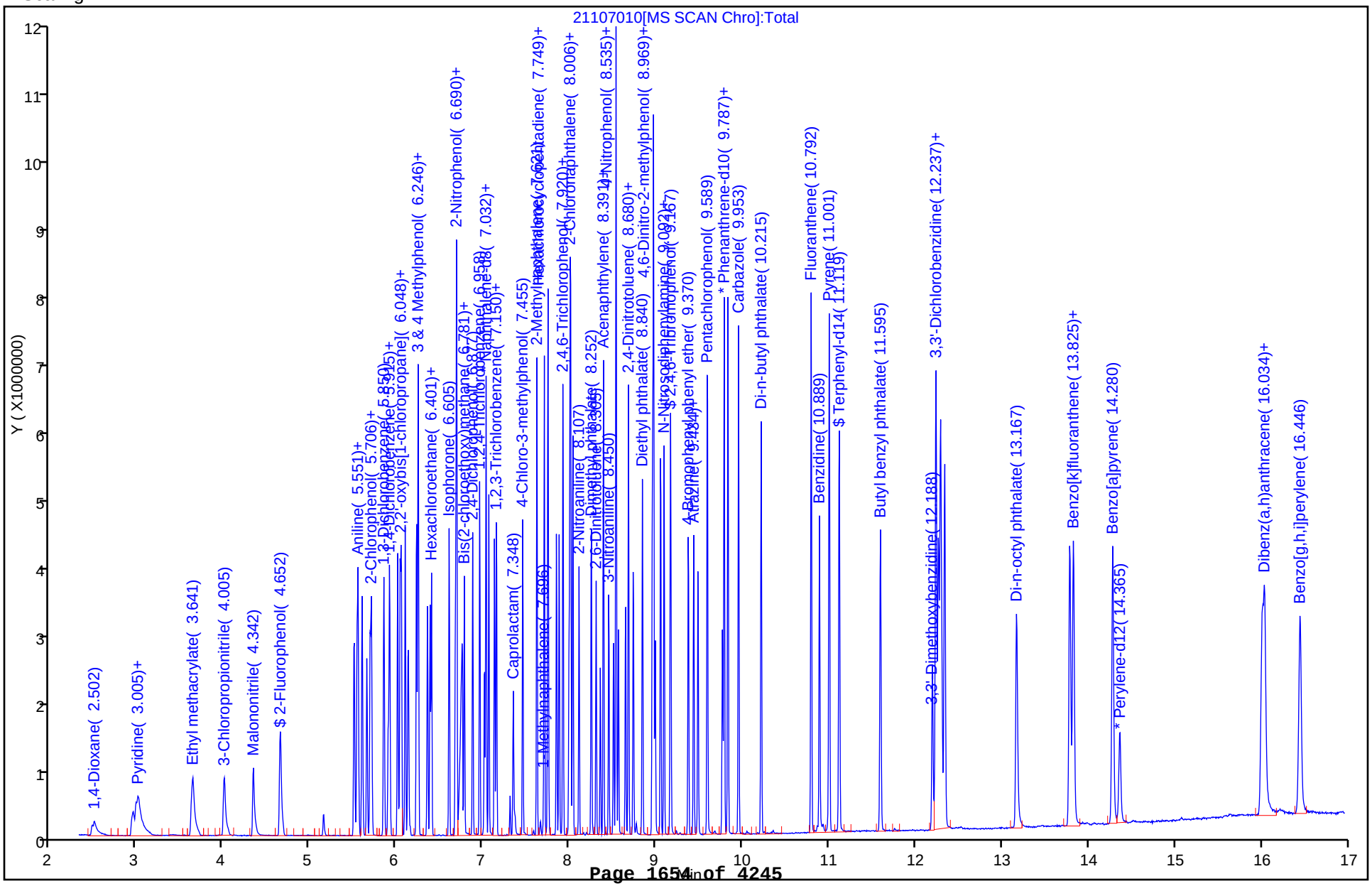
Report Date: 08-Nov-2012 13:38:17 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

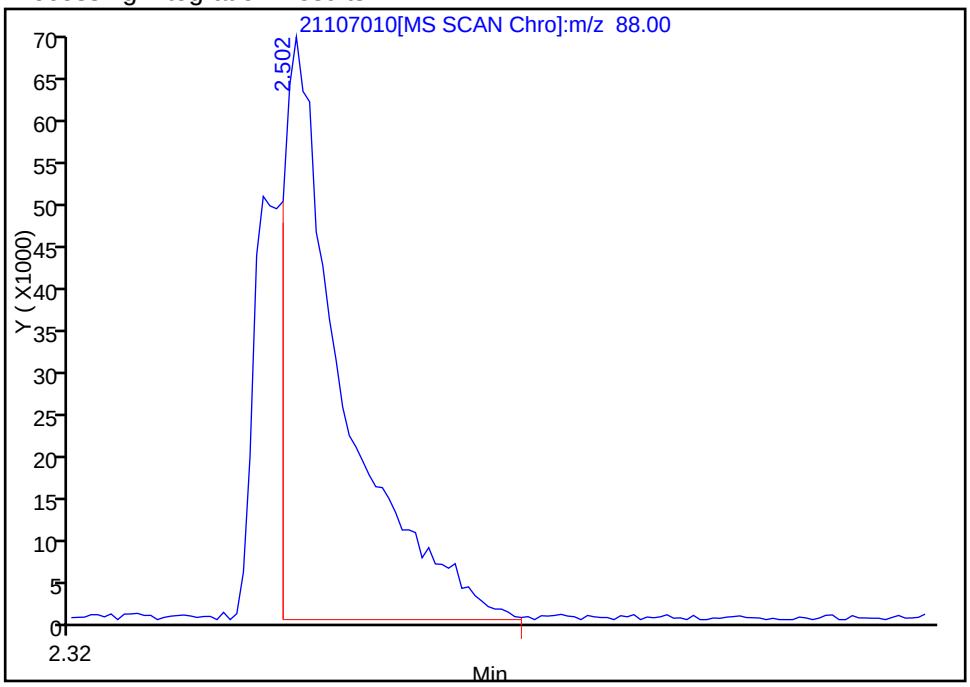
TestAmerica Canton

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

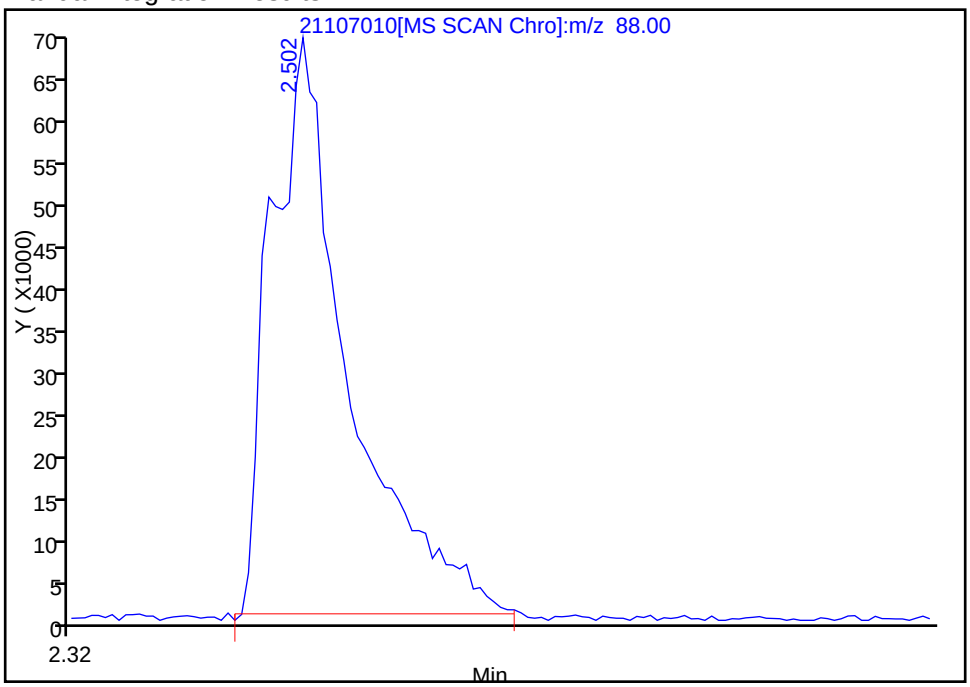
Processing Integration Results

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 VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-67070/6	21203006.D
Level 2	STD2 240-67070/5	21203005.D
Level 3	STD3 240-67070/4	21203004.D
Level 4	STD4 240-67070/3	21203003.D
Level 5	STD5 240-67070/2	21203002.D
Level 6	STD6 240-67070/10	21203010.D
Level 7	STD7 240-67070/9	21203009.D
Level 8	STD8 240-67070/8	21203008.D
Level 9	STD9 240-67070/7	21203007.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	0.7268	+++++ 0.7381	0.8009 0.7465	0.9093 0.7243	0.7887	Ave		0.7764			0.0500	8.5		15.0			
N-Nitrosodimethylamine	1.1042	+++++ 1.1083	0.8621 1.1334	0.8397 1.1726	0.9212	Ave		1.0202			0.0500	14.0		15.0			
Pyridine	2.0966	1.9291 2.1990	2.1735 2.1249	1.8960 2.2061	2.0289	Ave		2.0818			0.0500	5.8		15.0			
Ethyl methacrylate	1.9502	2.2935 2.0365	1.9514 1.9690	1.9898 2.0309	1.9322	Ave		2.0192			0.0500	5.8		15.0			
3-Chloropropionitrile	0.7679	0.6148 0.7866	0.7098 0.8014	0.7121 0.8292	0.6811	Ave		0.7379			0.0500	9.6		15.0			
Benzaldehyde	2.2892 1.7547	2.1772 1.7222	1.8824 1.4194	1.9744 1.2302	1.9597	Qua	-0.269	2.2738	-0.041		0.0500				0.9980		0.9950
Phenol	2.6035	2.4461 2.7179	2.3161 2.7151	2.4686 2.8224	2.5088	Ave		2.5748			0.0500	6.6		15.0			
Aniline	3.2637	2.9053 3.3951	2.9373 3.4363	3.0624 3.5821	3.1591	Ave		3.2177			0.0500	7.6		15.0			
Bis(2-chloroethyl)ether	1.9548	1.9533 2.0254	1.8560 2.0469	1.9568 2.1442	1.9552	Ave		1.9866			0.0500	4.3		15.0			
2-Chlorophenol	1.4527	1.3764 1.4874	1.4390 1.4793	1.4488 1.5271	1.4744	Ave		1.4607			0.0500	3.0		15.0			
1,3-Dichlorobenzene	1.5562	1.4320 1.6015	1.5044 1.5512	1.6212 1.6456	1.6509	Ave		1.5704			0.0500	4.8		15.0			
Benzoic acid	0.2173	+++++ 0.2273	0.1186 0.2497	0.1462 0.2472	0.1722	Qua	-0.331	0.2188	0.0008		0.0500				0.9980		0.9950
1,4-Dichlorobenzene	1.5582	1.5376 1.5627	1.6018 1.5881	1.6236 1.6271	1.5888	Ave		1.5860			0.0500	2.0		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 CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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								
Benzyl alcohol	1.2246	1.2324 1.2441	1.0523 1.2438	1.1379 1.2951	1.2013	Ave		1.2039			0.0500	6.3		15.0			
1,2-Dichlorobenzene	1.4632	1.4267 1.5123	1.6105 1.4969	1.5747 1.5869	1.5408	Ave		1.5265			0.0500	4.2		15.0			
2-Methylphenol	1.7709	1.5369 1.7987	1.5519 1.8061	1.6937 1.8875	1.6946	Ave		1.7176			0.0500	7.2		15.0			
bis (2-chloroisopropyl) ether	2.0200	1.9883 2.1205	1.9055 2.0832	2.0244 2.1434	1.9113	Ave		2.0246			0.0500	4.4		15.0			
3 & 4 Methylphenol	1.8464	1.5362 1.8873	1.6991 1.9649	1.7562 2.0604	1.8720	Ave		1.8278			0.0500	8.9		15.0			
N-Nitrosodi-n-propylamine	1.8002	1.7047 1.9274	1.6460 1.9176	1.6924 1.9344	1.7868	Ave		1.8012			0.0500	6.4		15.0			
Acetophenone	2.6266	2.5444 2.7456	2.4739 2.8335	2.4714 2.9517	2.5766	Ave		2.6530			0.0500	6.6		15.0			
Hexachloroethane	0.7201	0.8208 0.7355	0.6931 0.7128	0.7668 0.7549	0.7317	Ave		0.7420			0.0500	5.3		15.0			
Nitrobenzene	0.6555	0.6063 0.6409	0.5869 0.7229	0.6185 0.7176	0.6069	Ave		0.6444			0.0500	8.0		15.0			
Isophorone	1.2234	1.0172 1.2196	0.9875 1.3941	1.0827 1.3748	1.1029	Ave		1.1753			0.0500	13.0		15.0			
2-Nitrophenol	0.1877	0.1271 0.1830	0.1681 0.1988	0.1691 0.1909	0.1808	Ave		0.1757			0.0500	13.0		15.0			
2,4-Dimethylphenol	0.4923	0.4912 0.4840	0.4705 0.5193	0.4809 0.5256	0.4839	Ave		0.4935			0.0500	3.9		15.0			
1,3,5-Trichlorobenzene	0.3496	0.3827 0.3453	0.3438 0.3657	0.3672 0.3755	0.3547	Ave		0.3606			0.0500	4.0		15.0			
Bis(2-chloroethoxy)methane	0.6034	0.5479 0.6111	0.5621 0.6757	0.5674 0.6670	0.5763	Ave		0.6014			0.0500	8.0		15.0			
2,4-Dichlorophenol	0.2807	0.2494 0.2751	0.2758 0.3022	0.2869 0.3040	0.2935	Ave		0.2834			0.0500	6.2		15.0			
1,2,4-Trichlorobenzene	0.3361	0.3701 0.3376	0.3251 0.3671	0.3693 0.3644	0.3348	Ave		0.3506			0.0500	5.4		15.0			
Naphthalene	1.1646 1.0866	0.9935 1.1179	0.9827 1.2475	1.0006 1.2759	1.0174	Ave		1.0985			0.0500	10.0		15.0			
4-Chloroaniline	0.4396	0.3930 0.4409	0.4198 0.4769	0.4049 0.4798	0.4208	Ave		0.4345			0.0500	7.2		15.0			
Hexachlorobutadiene	0.1866	0.1991 0.1881	0.1889 0.1946	0.1886 0.1930	0.1905	Ave		0.1912			0.0500	2.2		15.0			
Caprolactam	0.1170	0.0832 0.1124	0.1292 0.1142	0.1263 0.1110	0.1314	Ave		0.1156			0.0500	13.0		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 CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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-Chloro-3-methylphenol	0.4252	0.3714 0.4169	0.3695 0.4581	0.4190 0.4475	0.4179	Ave		0.4157			0.0500	7.6		15.0			
2,4-Dinitrophenol	0.1886	+++++ 0.1989	0.0970 0.2117	0.1148 0.2137	0.1553	Qua	-0.298	0.1920	0.0006		0.0500				0.9990		0.9950
2-Methylnaphthalene	0.6723 0.6867	0.5949 0.6927	0.6523 0.7759	0.6688 0.7926	0.6616	Ave		0.6886			0.0500	8.9		15.0			
2,3,5,6-Tetrachlorophenol	0.3180	+++++ 0.3210	0.2897 0.3434	0.2921 0.3358	0.3147	Ave		0.3164			0.0500	6.4		15.0			
1-Methylnaphthalene	0.5988 0.6676	0.6687 0.6661	0.6408 0.7470	0.6252 0.7487	0.6342	Ave		0.6663			0.0500	7.7		15.0			
1,2,3,5-Tetrachlorobenzene	0.5562	0.5409 0.5598	0.5637 0.5896	0.5460 0.5852	0.5236	Ave		0.5581			0.0500	3.9		15.0			
Hexachlorocyclopentadiene	0.3252	0.2807 0.3368	0.2962 0.3592	0.2941 0.3642	0.3160	Ave		0.3216			0.0500	9.5		15.0			
2,4,6-Trichlorophenol	0.3418	0.3019 0.3574	0.3445 0.3743	0.3431 0.3743	0.3332	Ave		0.3463			0.0500	6.8		15.0			
4,6-Dinitro-2-methylphenol	0.1501	+++++ 0.1498	0.0772 0.1622	0.1050 0.1566	0.1343	Qua	-0.105	0.1587	0.0002		0.0500				0.9990		0.9950
2,4,5-Trichlorophenol	0.3853	0.3497 0.3731	0.3934 0.4017	0.3801 0.3962	0.3694	Ave		0.3811			0.0500	4.4		15.0			
2,4-Toluene diamine	0.1947	0.2490 0.1844	0.2043 0.1850	0.1696 0.1832	0.1973	Ave		0.1959			0.0500	12.0		15.0			
1,1'-Biphenyl	1.3082 1.4695	1.2686 1.4967	1.3545 1.6489	1.4054 1.6919	1.3596	Ave		1.4448			0.0500	10.0		15.0			
2-Chloronaphthalene	0.9923 1.1225	1.0953 1.1075	1.0542 1.2263	1.0563 1.2270	1.0430	Ave		1.1027			0.0500	7.3		15.0			
2-Nitroaniline	0.5325	0.4386 0.5407	0.4680 0.5717	0.5036 0.5590	0.4934	Ave		0.5134			0.0500	8.9		15.0			
Dimethyl phthalate	1.2948	1.2183 1.3464	1.1518 1.4663	1.2352 1.4465	1.2357	Ave		1.2994			0.0500	8.6		15.0			
2,6-Dinitrotoluene	0.2865	0.2125 0.2914	0.2291 0.3065	0.2628 0.2958	0.2773	Ave		0.2702			0.0500	12.0		15.0			
1,2-Dinitrobenzene	0.1418	0.1178 0.1388	0.1253 0.1474	0.1195 0.1444	0.1280	Ave		0.1329			0.0500	8.7		15.0			
Acenaphthylene	1.5771 1.7865	1.5432 1.8971	1.5689 2.0972	1.6549 2.0020	1.7061	Ave		1.7592			0.0500	11.0		15.0			
3-Nitroaniline	0.2982	0.2494 0.3089	0.2543 0.3287	0.2869 0.3131	0.2862	Ave		0.2907			0.0500	9.6		15.0			
Acenaphthene	1.2158 1.1042	1.0287 1.1214	0.9817 1.2394	1.0434 1.2450	1.0625	Ave		1.1158			0.0500	8.7		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.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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	0.2284	0.1705 0.2232	0.1960 0.2384	0.1940 0.2398	0.2211	Ave		0.2139			0.0500	11.0		15.0			
2,4-Dinitrotoluene	0.3857	0.2843 0.3797	0.2947 0.4141	0.3538 0.4047	0.3837	Ave		0.3626			0.0500	13.0		15.0			
Dibenzofuran	1.4180 1.6592	1.4900 1.6902	1.5005 1.8453	1.5366 1.8378	1.5121	Ave		1.6100			0.0500	9.7		15.0			
Diethyl phthalate	1.2844	1.1591 1.3140	1.1416 1.4580	1.2306 1.4576	1.2452	Ave		1.2863			0.0500	9.4		15.0			
4-Chlorophenyl phenyl ether	0.6881	0.6465 0.6825	0.6841 0.7454	0.6664 0.7442	0.6757	Ave		0.6916			0.0500	5.1		15.0			
4-Nitroaniline	0.3215	0.2225 0.3332	0.2710 0.3434	0.2964 0.3397	0.3215	Ave		0.3061			0.0500	14.0		15.0			
Fluorene	1.3522 1.3364	1.2399 1.3875	1.2979 1.5491	1.2908 1.5490	1.2632	Ave		1.3629			0.0500	8.4		15.0			
N-Nitrosodiphenylamine	0.5536	0.5042 0.5722	0.4787 0.6110	0.5437 0.6199	0.5373	Ave		0.5526			0.0500	8.8		15.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.4797	1.1759 1.5306	1.1520 1.5379	1.2061 1.3855	1.2944	Ave		1.3455			0.0500	12.0		15.0			
Azobenzene	1.4797	1.1759 1.5305	1.1520 1.5378	1.2136 1.3852	1.2896	Ave		1.3455			0.0500	12.0		15.0			
4-Bromophenyl phenyl ether	0.2073	0.1837 0.2058	0.1775 0.2165	0.2007 0.2098	0.2122	Ave		0.2017			0.0500	6.9		15.0			
Hexachlorobenzene	0.2154 0.2019	0.2099 0.2007	0.1863 0.2151	0.2000 0.2093	0.1930	Ave		0.2035			0.0500	4.9		15.0			
Atrazine	0.1857	0.1545 0.1791	0.1685 0.1793	0.1842 0.1699	0.1863	Ave		0.1759			0.0500	6.2		15.0			
Pentachlorophenol	0.1501	0.0850 0.1569	0.1160 0.1635	0.1389 0.1642	0.1466	Qua	-0.066	0.1492	0.0003		0.0500				1.0000		0.9950
Phenanthrene	1.3066 1.2017	1.0239 1.2458	1.1090 1.3162	1.1069 1.3289	1.1162	Ave		1.1950			0.0500	9.3		15.0			
Anthracene	1.1264 1.2855	1.0141 1.3440	1.0585 1.3600	1.0630 1.3468	1.1759	Ave		1.1971			0.0500	12.0		15.0			
Carbazole	1.1108	0.9495 1.1325	0.9198 1.2563	0.9682 1.2133	1.0276	Ave		1.0723			0.0500	12.0		15.0			
Di-n-butyl phthalate	1.4156	1.0157 1.4666	1.0605 1.5798	1.2481 1.4509	1.2996	Ave		1.3171			0.0500	15.0		15.0			
3,3'-Dimethoxybenzidine	0.3149	+++++ 0.3164	0.1932 0.3792	0.2099 0.3519	0.3170	Qua	-0.186	0.3261	0.0017		0.0500				0.9930	*	0.9950
Fluoranthene	1.2775 1.4447	1.2228 1.5077	1.1744 1.5555	1.3054 1.4892	1.2993	Ave		1.3641			0.0500	10.0		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 CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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	0.7381	0.3795 0.7444	0.4273 0.8902	0.4787 0.8289	0.6659	Qua	-0.401	0.7401	0.0051		0.0500				0.9940	*	0.9950
Pyrene	1.1654 1.4574	1.2249 1.4936	1.2430 1.6415	1.3193 1.5069	1.4039	Ave		1.3840			0.0500	11.0		15.0			
Butyl benzyl phthalate	0.5879	0.4066 0.5668	0.4666 0.6393	0.5378 0.6149	0.5993	Ave		0.5524			0.0500	14.0		15.0			
4,4'-Methylene bis(2-chloroaniline)	0.2381	0.1690 0.2332	0.1976 0.2557	0.2111 0.2426	0.2384	Ave		0.2232			0.0500	13.0		15.0			
3,3'-Dichlorobenzidine	0.4612	0.3154 0.4578	0.3513 0.5086	0.3895 0.4921	0.4570	Qua	-0.102	0.4549	0.0019		0.0500				0.9980		0.9950
Bis(2-ethylhexyl) phthalate	0.8378	0.6965 0.8204	0.6726 0.9396	0.8208 0.9041	0.8841	Ave		0.8220			0.0500	12.0		15.0			
Benzo[a]anthracene	1.1906 1.2480	1.1014 1.2531	1.2087 1.4393	1.1621 1.4003	1.2072	Ave		1.2456			0.0500	8.8		15.0			
Chrysene	1.1257 1.1436	1.0235 1.1498	1.0067 1.3128	1.0985 1.2789	1.1399	Ave		1.1421			0.0500	8.9		15.0			
Di-n-octyl phthalate	1.6890	1.0509 1.7437	1.2297 2.0229	1.5700 2.0495	1.7136	Qua	-0.053	1.4711	0.0240		0.0500				0.9980		0.9950
Benzo[b]fluoranthene	1.3475 1.3876	1.1089 1.4289	1.3065 1.5931	1.3277 1.6192	1.3597	Ave		1.3866			0.0500	11.0		15.0			
Benzo[k]fluoranthene	1.1702 1.4551	1.2905 1.4883	1.2577 1.6458	1.4772 1.6303	1.4190	Ave		1.4260			0.0500	11.0		15.0			
Benzo[a]pyrene	1.2274 1.3090	1.1049 1.3522	1.1653 1.5041	1.2692 1.5317	1.3158	Ave		1.3089			0.0500	11.0		15.0			
Indeno[1,2,3-cd]pyrene	1.2738 1.4511	1.2415 1.4655	1.3681 1.6426	1.4241 1.6169	1.4572	Ave		1.4379			0.0500	9.4		15.0			
Dibenz(a,h)anthracene	0.9219 1.2192	1.0196 1.2198	1.0859 1.3796	1.2007 1.3828	1.1907	Ave		1.1800			0.0500	13.0		15.0			
Benzo[g,h,i]perylene	1.1987 1.1839	1.0907 1.1989	1.0852 1.3598	1.1790 1.3417	1.2308	Ave		1.2076			0.0500	7.8		15.0			
2-Fluorophenol (Surr)	1.5404	1.5011 1.6252	1.5798 1.5698	1.5909 1.6178	1.5650	Ave		1.5738			0.0500	2.6		15.0			
Phenol-d5 (Surr)	2.3248	2.2354 2.4140	1.8374 2.3823	2.1993 2.5333	2.2550	Ave		2.2727			0.0500	9.1		15.0			
Nitrobenzene-d5 (Surr)	0.6192 0.6022	0.6015 0.6227	0.5584 0.6648	0.5751 0.6760	0.5895	Ave		0.6121			0.0500	6.3		15.0			
2-Fluorobiphenyl (Surr)	1.4642 1.2928	1.1891 1.3318	1.2209 1.4787	1.2403 1.4962	1.2409	Ave		1.3283			0.0500	9.1		15.0			
2,4,6-Tribromophenol (Surr)	0.1614	0.1231 0.1653	0.1348 0.1727	0.1593 0.1725	0.1502	Ave		0.1549			0.0500	12.0		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 CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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								
Terphenyl-d14 (Surr)	0.7862 0.8155	0.8051 0.8150	0.6927 0.9422	0.8139 0.8907	0.8136	Ave		0.8194			0.0500	8.4		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.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-67070/6	21203006.D
Level 2	STD2 240-67070/5	21203005.D
Level 3	STD3 240-67070/4	21203004.D
Level 4	STD4 240-67070/3	21203003.D
Level 5	STD5 240-67070/2	21203002.D
Level 6	STD6 240-67070/10	21203010.D
Level 7	STD7 240-67070/9	21203009.D
Level 8	STD8 240-67070/8	21203008.D
Level 9	STD9 240-67070/7	21203007.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	399753	+++++ 543998	36233 773230	73600 814861	154568	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	607272	+++++ 816856	38998 1174085	67969 1319174	180530	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1153107	40196 1620749	98326 2201171	153463 2481993	397620	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Ethyl methacrylate	DCB	Ave	1072582	47787 1500922	88277 2039665	161059 2284815	378677	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Chloropropionitrile	DCB	Ave	422307	12811 579758	32110 830175	57636 932926	133477	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Qua	9926 965070	45364 1269321	85156 1470328	159811 1383979	384062	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol	DCB	Ave	1431885	50968 2003163	104773 2812510	199816 3175311	491689	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1794952	60535 2502297	132878 3559561	247876 4030025	619120	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	1075083	40700 1492774	83963 2120375	158390 2412317	383179	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	798948	28679 1096266	65098 1532373	117271 1718090	288964	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	855886	29838 1180356	68057 1606884	131225 1851413	323540	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Qua	992750	+++++ 1441946	43345 2085887	98753 2343332	285606	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
1,4-Dichlorobenzene	DCB	Ave	856970	32037 1151768	72462 1645098	131422 1830542	311378	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	673487	25678 916925	47603 1288428	92107 1457061	235427	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.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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
1,2-Dichlorobenzene	DCB	Ave	804726	29726 1114610	72856 1550612	127458 1785368	301970	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	973970	32023 1325720	70206 1870907	137096 2123570	332118	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
bis (2-chloroisopropyl) ether	DCB	Ave	1110965	41429 1562839	86200 2157927	163862 2411441	374591	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3 & 4 Methylphenol	DCB	Ave	1015483	32008 1390992	76864 2035411	142155 2317991	366886	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	990057	35519 1420567	74460 1986355	136985 2176245	350187	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1444593	53016 2023578	111915 2935142	200038 3320829	504977	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	396040	17103 542116	31356 738370	62068 849335	143402	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	1497384	52311 2033011	107279 3019500	208929 3400714	503353	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	2794681	87765 3869063	180520 5823443	365723 6515388	914686	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	428852	10971 580637	30729 830238	57138 904635	149913	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	1124586	42386 1535491	86010 2169180	162458 2490665	401301	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3,5-Trichlorobenzene	NPT	Ave	798595	33020 1095265	62851 1527622	124050 1779271	294165	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethoxy)methane	NPT	Ave	1378514	47277 1938498	102759 2822638	191667 3160983	477938	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	641251	21517 872558	50413 1262491	96906 1440479	243412	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	767717	31931 1071050	59431 1533437	124736 1726814	277640	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	21523 2482143	85728 3546318	179633 5210836	338015 6046456	843743	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	1004186	33909 1398635	76741 1992191	136785 2273909	348986	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	426339	17181 596689	34526 812875	63712 914699	157986	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	267301	7176 356527	23626 477229	42653 526136	108965	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloro-3-methylphenol	NPT	Ave	971266	32042 1322578	67551 1913655	141534 2120588	346586	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Qua	538392	+++++ 779421	22221 1107986	48766 1280687	163179	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2-Methylnaphthalene	NPT	Ave	12424 1568614	51331 2197459	119237 3241037	225921 3756335	548716	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,5,6-Tetrachlorophenol	ANT	Ave	 453798	+++++ 629040	33187 898499	62062 1006180	165313	 10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
1-Methylnaphthalene	NPT	Ave	11067 1525035	57695 2113183	117141 3120059	211190 3548102	525938	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	 793734	28675 1097095	64586 1542651	115999 1753570	275027	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	 464113	14882 660004	33939 939731	62483 1091455	166020	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	 487834	16004 700417	39472 979326	72898 1121634	175058	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Qua	 374569	+++++ 513143	15977 747522	39778 827960	123435	 10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	 549869	18537 731223	45065 1051056	80751 1187181	194064	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Toluene diamine	NPT	Ave	 444710	21489 584842	37351 772583	57287 868145	163634	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	14581 2097075	67250 2933167	155182 4314416	298603 5070224	714205	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	11060 1601844	58061 2170503	120779 3208551	224430 3677090	547917	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	 759915	23252 1059612	53615 1495778	106992 1675117	259160	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	 1847769	64582 2638665	131956 3836513	262446 4334729	649097	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	 408875	11264 571148	26244 802029	55828 886451	145657	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dinitrobenzene	ANT	Ave	 202332	6247 271922	14355 385567	25396 432595	67242	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	17578 2549553	81803 3717874	179744 5487335	351616 5999467	896238	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	 425539	13218 605348	29136 859948	60951 938131	150335	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthene	ANT	Ave	13551 1575777	54532 2197679	112464 3242918	221678 3730862	558117	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	 325899	9038 437400	22450 623747	41218 718684	116122	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrotoluene	ANT	Ave	 550422	15069 744156	33761 1083426	75165 1212832	201562	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	15805 2367844	78985 3312358	171901 4828262	326470 5507295	794298	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.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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
Diethyl phthalate	ANT	Ave	1832980	61444 2575128	130788 3814881	261466 4367958	654113	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chlorophenyl phenyl ether	ANT	Ave	981917	34272 1337478	78374 1950379	141595 2230197	354964	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	458818	11792 652966	31051 898608	62979 1017942	168871	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	15072 1907218	65725 2719190	148698 4053228	274254 4641978	663543	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodiphenylamine	PHN	Ave	1381461	48999 1959808	99063 2816710	206062 3276797	493931	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	3692336	114275 5242019	238402 7089323	457089 7323233	1189886	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	3692336	114275 5241671	238402 7088823	459925 7321874	1185511	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	517373	17853 704915	36737 998199	76066 1108836	195097	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	4286 503817	20402 687504	38543 991457	75787 1106388	177412	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	463454	15010 613227	34876 826393	69824 897962	171245	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Qua	749230	16525 1074664	47995 1507520	105285 1735964	269472	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	26003 2998659	99497 4266491	229503 6067655	419489 7024206	1026071	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	22416 3207585	98547 4603038	219050 6269234	402882 7118724	1081012	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	2771758	92268 3878743	190352 5791299	366937 6412920	944678	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	3532454	98705 5022953	219458 7282586	473027 7669176	1194742	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dimethoxybenzidine	CRY	Qua	786421	+++++ 1115656	39058 1715296	78653 1908849	280563	10.0	+++++ 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	25424 3605052	118828 5163534	243024 7170742	494739 7871392	1194426	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Qua	1843303	36712 2624642	86398 4027253	179325 4495620	589306	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyrene	CRY	Ave	22462 3639569	118483 5266082	251331 7426228	494245 8173377	1242411	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	1468183	39327 1998546	94335 2892302	201465 3335278	530339	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,4'-Methylene bis(2-chloroaniline)	CRY	Ave	594586	16346 822324	39962 1156747	79087 1315934	210935	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.: 240-17796-1 Analy Batch No.: 67070

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2012 11:32 Calibration End Date: 12/03/2012 15:01 Calibration ID: 12569

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	1151707	30506 1613926	71021 2300801	145915 2668942	404452	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	2092198	67372 2892564	136001 4250837	307506 4903668	782396	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]anthracene	CRY	Ave	22947 3116592	106544 4418081	244392 6511414	435351 7594858	1068335	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	21697 2855800	99002 4053767	203554 5939114	411538 6936430	1008802	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Qua	3512292	79031 4994408	201729 7518674	469921 8736814	1267230	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	21113 2885491	83398 4092896	214322 5921468	397416 6902291	1005481	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	18336 3025983	97055 4263040	206313 6117211	442164 6949795	1049321	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	19232 2722148	83098 3873105	191163 5590497	379895 6529426	973020	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	Ave	19959 3017526	93370 4197780	224422 6105267	426262 6892480	1077608	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	14445 2535331	76682 3493923	178133 5127826	359396 5894670	880540	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	18782 2461930	82030 3434050	178013 5054031	352887 5719307	910207	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	847177	31278 1197803	71467 1626131	128768 1820074	306722	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	1278603	46578 1779153	83118 2467806	178013 2850089	441946	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	11443 1375736	51904 1975313	102066 2776873	194252 3203482	488906	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	16320 1844912	63034 2610009	139870 3868871	263515 4483556	651864	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	230291	6525 323865	15445 451821	33836 517056	78903	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	15154 2036667	77875 2873627	140052 4262459	304916 4830900	719982	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\A4HP9\20121203-15467.b\21203002.D		
Lims ID:	std5 tcl	Client ID:	
Inject. Date:	03-Dec-2012 11:32:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015467-002		
Misc. Info.:	STD5 TCL =STD5 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	67070	Lims Sample ID:	2
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:16	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 12:18:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.053	0.0	84	156786	4.00	
* 2 Naphthalene-d8	136	7.159	7.159	0.0	98	663460	4.00	
* 3 Acenaphthene-d10	164	8.649	8.649	0.0	66	420245	4.00	
* 4 Phenanthrene-d10	188	9.915	9.915	0.0	74	735433	4.00	
* 5 Chrysene-d12	240	12.538	12.538	0.0	76	707977	4.00	
* 6 Perylene-d12	264	14.681	14.681	0.0	89	591603	4.00	
$ 7 2-Fluorophenol	112	4.830	4.830	0.0	91	306722	4.97	
$ 8 Phenol-d5	99	5.684	5.684	0.0	0	441946	4.96	
$ 9 Nitrobenzene-d5	82	6.528	6.528	0.0	83	488906	4.82	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.062	0.0	95	651864	4.67	
$ 11 2,4,6-Tribromophenol	330	9.317	9.317	0.0	69	78903	4.85	
$ 12 Terphenyl-d14	244	11.294	11.294	0.0	95	719982	4.96	
25 1,4-Dioxane	88	2.805	2.805	0.0	79	154568	5.08	M
26 N-Nitrosodimethylamine	74	3.275	3.275	0.0	79	180530	4.51	
27 Pyridine	79	3.318	3.318	0.0	91	397620	4.87	
28 Ethyl methacrylate	69	3.879	3.879	0.0	77	378677	4.78	
29 3-Chloropropionitrile	54	4.215	4.215	0.0	81	133477	4.62	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.663	5.663	0.0	81	384062	4.85	
43 Phenol	94	5.700	5.700	0.0	88	491689	4.87	
44 Aniline	93	5.754	5.754	0.0	82	619120	4.91	
69 Bis(2-chloroethyl)ether	93	5.802	5.802	0.0	91	383179	4.92	
46 2-Chlorophenol	128	5.861	5.861	0.0	89	288964	5.05	
47 1,3-Dichlorobenzene	146	6.005	6.005	0.0	78	323540	5.26	
48 1,4-Dichlorobenzene	146	6.069	6.069	0.0	81	311378	5.01	
49 Benzyl alcohol	108	6.154	6.154	0.0	85	235427	4.99	
50 1,2-Dichlorobenzene	146	6.203	6.203	0.0	82	301970	5.05	
51 2-Methylphenol	108	6.240	6.240	0.0	93	332118	4.93	
53 2,2'-oxybis[1-chloropropane]	45	6.272	6.272	0.0	99	374591	4.72	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.363	6.363	0.0	92	366886	5.12	
57 N-Nitrosodi-n-propylamine	70	6.384	6.384	0.0	69	350187	4.96	
58 Acetophenone	105	6.395	6.395	0.0	79	504977	4.86	
61 Hexachloroethane	117	6.502	6.502	0.0	89	143402	4.93	
62 Nitrobenzene	77	6.544	6.544	0.0	73	503353	4.71	
64 Isophorone	82	6.747	6.747	0.0	94	914686	4.69	
66 2-Nitrophenol	139	6.822	6.822	0.0	79	149913	5.14	
65 2,4-Dimethylphenol	107	6.828	6.828	0.0	93	401301	4.90	
67 1,3,5-Trichlorobenzene	180	6.833	6.833	0.0	76	294165	4.92	
71 Benzoic acid	122	6.865	6.865	0.0	83	285606	9.09	
70 Bis(2-chloroethoxy)methane	93	6.918	6.918	0.0	98	477938	4.79	
73 2,4-Dichlorophenol	162	7.020	7.020	0.0	90	243412	5.18	
74 1,2,4-Trichlorobenzene	180	7.100	7.100	0.0	80	277640	4.78	
75 Naphthalene	128	7.175	7.175	0.0	80	843743	4.63	
76 4-Chloroaniline	127	7.202	7.202	0.0	77	348986	4.84	
79 Hexachlorobutadiene	225	7.271	7.271	0.0	84	157986	4.98	
80 1,2,3-Trichlorobenzene	180	7.292	7.292	0.0	78	264125	0	
84 Caprolactam	113	7.479	7.479	0.0	73	108965	5.68	
86 4-Chloro-3-methylphenol	107	7.592	7.592	0.0	77	346586	5.03	
87 2-Methylnaphthalene	142	7.762	7.762	0.0	81	548716	4.80	
88 1-Methylnaphthalene	142	7.848	7.848	0.0	79	525938	4.76	
90 1,2,3,5-Tetrachlorobenzene	216	7.891	7.891	0.0	81	275027	4.69	
89 Hexachlorocyclopentadiene	237	7.891	7.891	0.0	76	166020	4.91	
92 2,4,6-Trichlorophenol	196	7.987	7.987	0.0	81	175058	4.81	
93 2,4,5-Trichlorophenol	196	8.019	8.019	0.0	87	194064	4.85	
97 2,4-Toluene diamine	121	8.131	8.131	0.0	92	163634	5.04	
99 1,2,3,4 -Tetrachlorobenzene	216	8.147	8.147	0.0	82	273345	0	
98 1,1'-Biphenyl	154	8.152	8.152	0.0	94	714205	4.71	
100 2-Chloronaphthalene	162	8.179	8.179	0.0	94	547917	4.73	
102 2-Nitroaniline	65	8.249	8.249	0.0	69	259160	4.80	
105 Dimethyl phthalate	163	8.388	8.388	0.0	93	649097	4.75	
107 2,6-Dinitrotoluene	165	8.446	8.446	0.0	80	145657	5.13	
108 1,2-Dinitrobenzene	168	8.494	8.494	0.0	75	67242	4.82	
109 Acenaphthylene	152	8.537	8.537	0.0	86	896238	4.85	
110 3-Nitroaniline	138	8.591	8.591	0.0	76	150335	4.92	
111 2,4-Dinitrophenol	184	8.676	8.676	0.0	62	163179	9.37	
112 Acenaphthene	153	8.681	8.681	0.0	89	558117	4.76	
113 4-Nitrophenol	109	8.697	8.697	0.0	74	116122	5.17	
114 2,4-Dinitrotoluene	165	8.788	8.788	0.0	73	201562	5.29	
116 Dibenzofuran	168	8.826	8.826	0.0	87	794298	4.70	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.879	0.0	79	165313	4.97	
121 Diethyl phthalate	149	8.980	8.980	0.0	94	654113	4.84	
123 4-Chlorophenyl phenyl ether	204	9.098	9.098	0.0	90	354964	4.89	
125 4-Nitroaniline	138	9.109	9.109	0.0	76	168871	5.25	
126 Fluorene	166	9.114	9.114	0.0	61	663543	4.63	
128 4,6-Dinitro-2-methylphenol	198	9.130	9.130	0.0	78	123435	4.87	
131 N-Nitrosodiphenylamine	169	9.194	9.194	0.0	94	493931	4.86	
133 Azobenzene	77	9.237	9.237	0.0	93	1185511	4.79	
132 1,2-Diphenylhydrazine	77	9.237	9.237	0.0	100	1189886	4.81	
139 4-Bromophenyl phenyl ether	248	9.520	9.520	0.0	65	195097	5.26	
141 Hexachlorobenzene	284	9.584	9.584	0.0	75	177412	4.74	
142 Atrazine	200	9.622	9.622	0.0	78	171245	5.29	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.739	9.739	0.0	77	269472	10.0	
148 Phenanthrene	178	9.937	9.937	0.0	83	1026071	4.67	
149 Anthracene	178	9.979	9.979	0.0	83	1081012	4.91	
151 Carbazole	167	10.102	10.102	0.0	62	944678	4.79	
154 Di-n-butyl phthalate	149	10.359	10.359	0.0	99	1194742	4.93	
159 Fluoranthene	202	10.957	10.957	0.0	77	1194426	4.76	
160 Benzidine	184	11.053	11.053	0.0	82	589306	4.88	
161 Pyrene	202	11.176	11.176	0.0	77	1242411	5.07	
168 Butyl benzyl phthalate	149	11.785	11.785	0.0	84	530339	5.42	
172 3,3'-Dimethoxybenzidine	244	12.415	12.415	0.0	81	280563	5.29	
174 4,4'-Methylene bis(2-chloroanili	231	12.464	12.464	0.0	62	210935	5.34	
175 3,3'-Dichlorobenzidine	252	12.464	12.464	0.0	71	404452	5.14	
173 Bis(2-ethylhexyl) phthalate	149	12.485	12.485	0.0	93	782396	5.38	
177 Benzo[a]anthracene	228	12.522	12.522	0.0	81	1068335	4.85	
178 Chrysene	228	12.576	12.576	0.0	80	1008802	4.99	
180 Di-n-octyl phthalate	149	13.425	13.425	0.0	98	1267230	5.39	
182 Benzo[b]fluoranthene	252	14.077	14.077	0.0	81	1005481	4.90	
183 Benzo[k]fluoranthene	252	14.120	14.120	0.0	81	1049321	4.98	
184 Benzo[a]pyrene	252	14.595	14.595	0.0	75	973020	5.03	
188 Indeno[1,2,3-cd]pyrene	276	16.401	16.401	0.0	81	1077608	5.07	
189 Dibenz(a,h)anthracene	278	16.427	16.427	0.0	54	880540	5.05	
190 Benzo[g,h,i]perylene	276	16.881	16.881	0.0	86	910207	5.10	
S 191 Methyl Phenols,Total	100				0		10.1	

QC Flag Legend

Review Flags
M - Manually Integrated

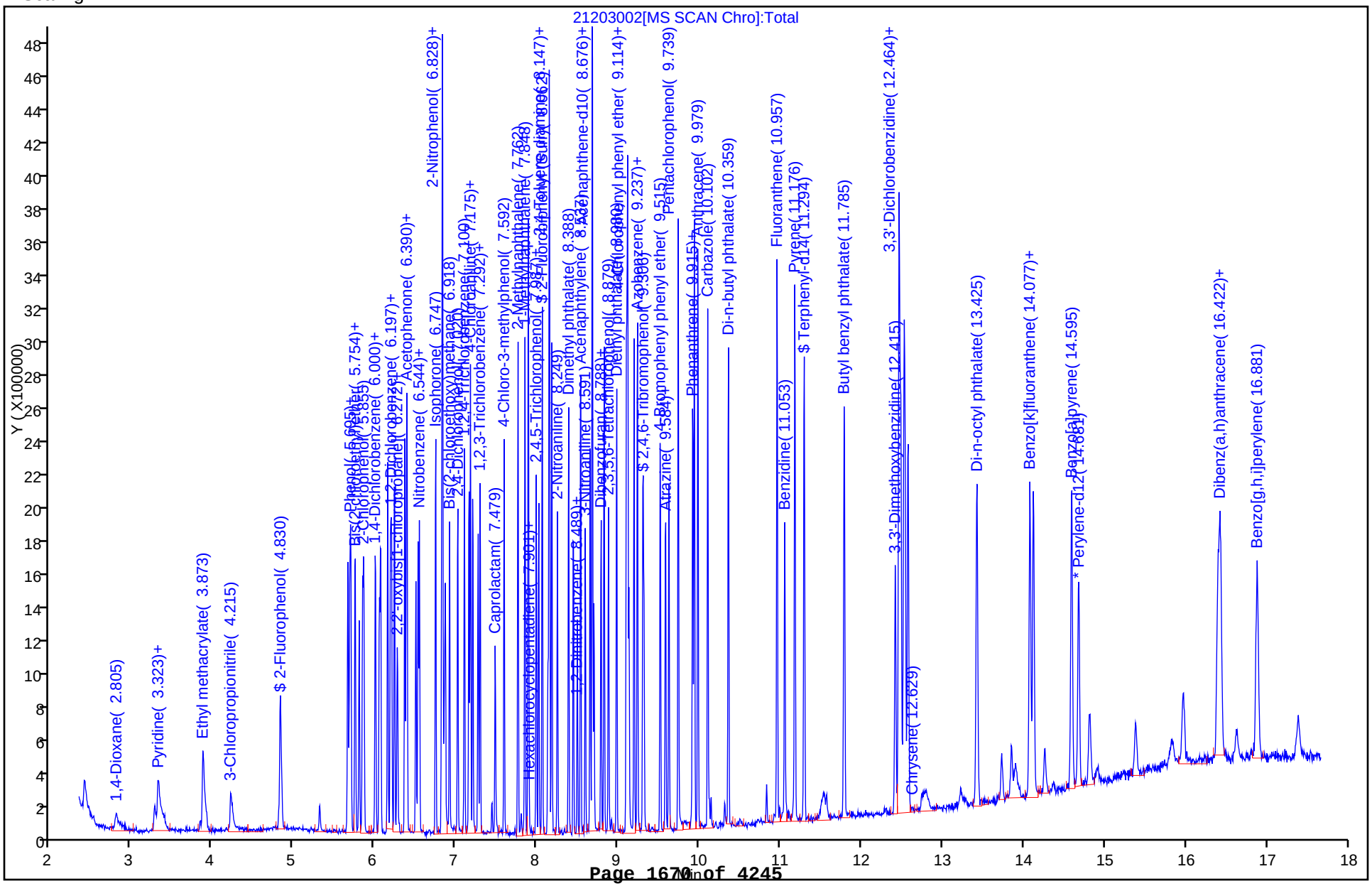
Report Date: 04-Dec-2012 08:01:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203002.D

Injection Date:	03-Dec-2012 11:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

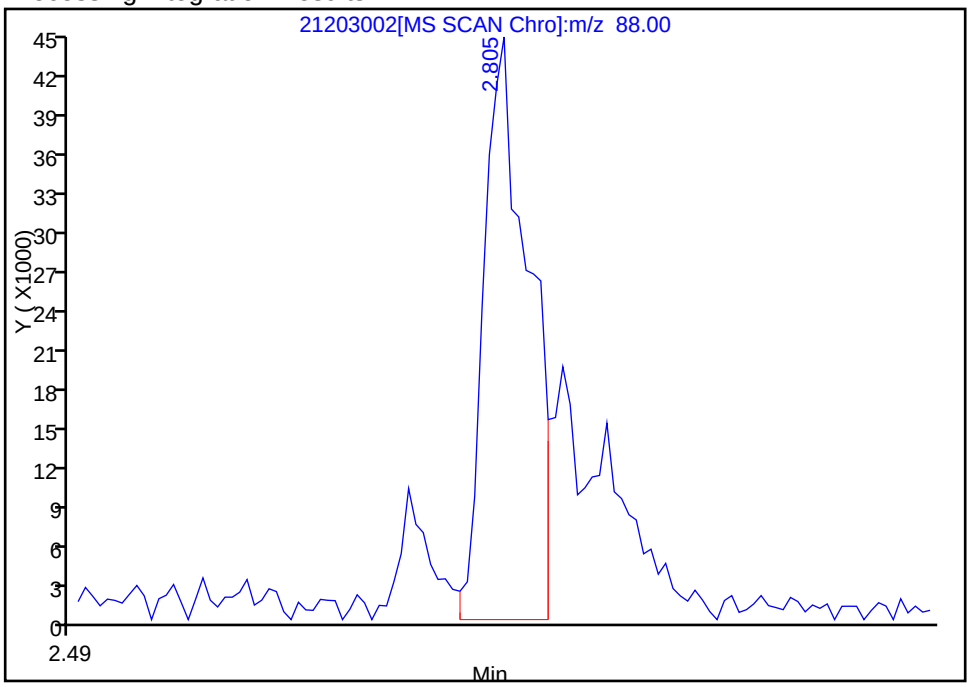
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203002.D		
Injection Date:	03-Dec-2012 11:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.80

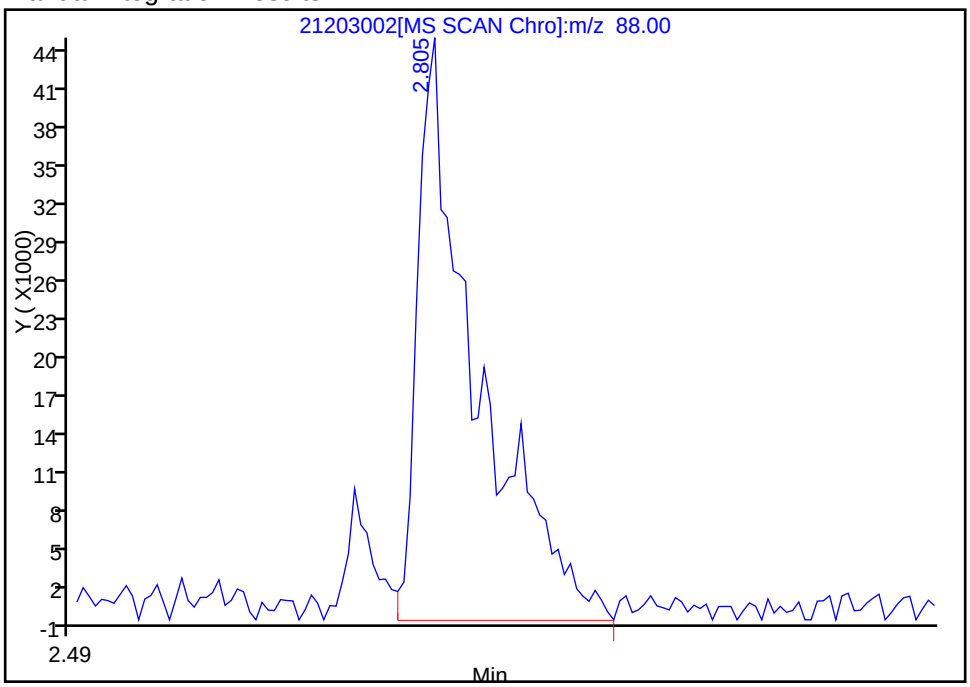
Processing Integration Results

RT: 2.80
Response: 100040
Amount: 5.000000



Manual Integration Results

RT: 2.80
Response: 154568
Amount: 5.079281



Reviewer: ulmanm, 03-Dec-2012 12:20:24
Audit Action: Manually Integrated
Audit Reason: Tailing or Fronting

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Lims ID:	std4 tcl	Client ID:	
Inject. Date:	03-Dec-2012 11:57:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	240-0015467-003		
Misc. Info.:	STD4 TCL =STD4 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	67070	Lims Sample ID:	3
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:18	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 12:35:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.053	0.0	82	161885	4.00	
* 2 Naphthalene-d8	136	7.159	7.159	0.0	98	675596	4.00	
* 3 Acenaphthene-d10	164	8.650	8.649	0.001	66	424933	4.00	
* 4 Phenanthrene-d10	188	9.916	9.915	0.001	80	757981	4.00	
* 5 Chrysene-d12	240	12.533	12.538	-0.005	79	749258	4.00	
* 6 Perylene-d12	264	14.676	14.681	-0.005	78	598639	4.00	
$ 7 2-Fluorophenol	112	4.830	4.830	0.0	92	128768	2.02	
$ 8 Phenol-d5	99	5.685	5.684	0.001	0	178013	1.94	
$ 9 Nitrobenzene-d5	82	6.529	6.528	0.001	83	194252	1.88	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.062	0.0	95	263515	1.87	
$ 11 2,4,6-Tribromophenol	330	9.317	9.317	0.0	69	33836	2.06	
$ 12 Terphenyl-d14	244	11.294	11.294	0.0	94	304916	1.99	
25 1,4-Dioxane	88	2.805	2.805	0.0	71	73600	2.34	M
26 N-Nitrosodimethylamine	74	3.302	3.275	0.027	73	67969	1.65	M
27 Pyridine	79	3.340	3.318	0.022	94	153463	1.82	
28 Ethyl methacrylate	69	3.879	3.879	0.0	77	161059	1.97	
29 3-Chloropropionitrile	54	4.221	4.215	0.006	91	57636	1.93	M
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.663	5.663	0.0	83	159811	1.92	
43 Phenol	94	5.701	5.700	0.001	93	199816	1.92	
44 Aniline	93	5.754	5.754	0.0	83	247876	1.90	
69 Bis(2-chloroethyl)ether	93	5.802	5.802	0.0	95	158390	1.97	
46 2-Chlorophenol	128	5.861	5.861	0.0	85	117271	1.98	
47 1,3-Dichlorobenzene	146	6.005	6.005	0.0	83	131225	2.06	
48 1,4-Dichlorobenzene	146	6.069	6.069	0.0	78	131422	2.05	
49 Benzyl alcohol	108	6.155	6.154	0.001	82	92107	1.89	
50 1,2-Dichlorobenzene	146	6.203	6.203	0.0	80	127458	2.06	
51 2-Methylphenol	108	6.235	6.240	-0.005	91	137096	1.97	
53 2,2'-oxybis[1-chloropropane]	45	6.272	6.272	0.0	96	163862	2.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.363	6.363	0.0	88	142155	1.92	
57 N-Nitrosodi-n-propylamine	70	6.385	6.384	0.001	73	136985	1.88	
58 Acetophenone	105	6.395	6.395	0.0	79	200038	1.86	
61 Hexachloroethane	117	6.502	6.502	0.0	88	62068	2.07	
62 Nitrobenzene	77	6.545	6.544	0.001	74	208929	1.92	
64 Isophorone	82	6.748	6.747	0.001	95	365723	1.84	
66 2-Nitrophenol	139	6.823	6.822	0.001	79	57138	1.93	
65 2,4-Dimethylphenol	107	6.828	6.828	0.0	93	162458	1.95	
67 1,3,5-Trichlorobenzene	180	6.833	6.833	0.0	86	124050	2.04	
71 Benzoic acid	122	6.855	6.865	-0.010	73	98753	4.13	M
70 Bis(2-chloroethoxy)methane	93	6.919	6.918	0.001	96	191667	1.89	
73 2,4-Dichlorophenol	162	7.020	7.020	0.0	90	96906	2.02	
74 1,2,4-Trichlorobenzene	180	7.100	7.100	0.0	76	124736	2.11	
75 Naphthalene	128	7.175	7.175	0.0	94	338015	1.82	
76 4-Chloroaniline	127	7.202	7.202	0.0	62	136785	1.86	
79 Hexachlorobutadiene	225	7.271	7.271	0.0	83	63712	1.97	
80 1,2,3-Trichlorobenzene	180	7.293	7.292	0.001	73	105880	0	
84 Caprolactam	113	7.474	7.479	-0.005	78	42653	2.18	
86 4-Chloro-3-methylphenol	107	7.592	7.592	0.0	81	141534	2.02	
87 2-Methylnaphthalene	142	7.763	7.762	0.001	85	225921	1.94	
88 1-Methylnaphthalene	142	7.848	7.848	0.0	81	211190	1.88	
90 1,2,3,5-Tetrachlorobenzene	216	7.891	7.891	0.0	85	115999	1.96	
89 Hexachlorocyclopentadiene	237	7.891	7.891	0.0	72	62483	1.83	
92 2,4,6-Trichlorophenol	196	7.987	7.987	0.0	80	72898	1.98	
93 2,4,5-Trichlorophenol	196	8.019	8.019	0.0	89	80751	1.99	
97 2,4-Toluene diamine	121	8.131	8.131	0.0	92	57287	1.73	
99 1,2,3,4 -Tetrachlorobenzene	216	8.147	8.147	0.0	86	118726	0	
98 1,1'-Biphenyl	154	8.147	8.152	-0.005	94	298603	1.95	
100 2-Chloronaphthalene	162	8.179	8.179	0.0	94	224430	1.92	
102 2-Nitroaniline	65	8.249	8.249	0.0	64	106992	1.96	
105 Dimethyl phthalate	163	8.388	8.388	0.0	93	262446	1.90	
107 2,6-Dinitrotoluene	165	8.447	8.446	0.001	74	55828	1.94	
108 1,2-Dinitrobenzene	168	8.495	8.494	0.001	70	25396	1.80	
109 Acenaphthylene	152	8.532	8.537	-0.005	66	351616	1.88	
110 3-Nitroaniline	138	8.591	8.591	0.001	78	60951	1.97	
111 2,4-Dinitrophenol	184	8.676	8.676	0.0	59	48766	3.90	
112 Acenaphthene	153	8.682	8.681	0.001	88	221678	1.87	
113 4-Nitrophenol	109	8.698	8.697	0.001	79	41218	1.81	
114 2,4-Dinitrotoluene	165	8.789	8.788	0.0	75	75165	1.95	
116 Dibenzofuran	168	8.826	8.826	0.0	85	326470	1.91	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.879	0.0	85	62062	1.85	
121 Diethyl phthalate	149	8.975	8.980	-0.005	92	261466	1.91	
123 4-Chlorophenyl phenyl ether	204	9.098	9.098	0.0	91	141595	1.93	
125 4-Nitroaniline	138	9.109	9.109	0.0	82	62979	1.94	
126 Fluorene	166	9.114	9.114	0.0	69	274254	1.89	
128 4,6-Dinitro-2-methylphenol	198	9.130	9.130	0.0	66	39778	1.98	
131 N-Nitrosodiphenylamine	169	9.195	9.194	0.0	97	206062	1.97	
133 Azobenzene	77	9.232	9.237	-0.005	94	459925	1.80	
132 1,2-Diphenylhydrazine	77	9.232	9.237	-0.005	100	457089	1.79	
139 4-Bromophenyl phenyl ether	248	9.515	9.520	-0.005	68	76066	1.99	
141 Hexachlorobenzene	284	9.584	9.584	0.0	77	75787	1.97	
142 Atrazine	200	9.622	9.622	0.0	80	69824	2.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.739	9.739	0.0	76	105285	4.12	
148 Phenanthrene	178	9.937	9.937	0.0	80	419489	1.85	
149 Anthracene	178	9.980	9.979	0.001	83	402882	1.78	
151 Carbazole	167	10.103	10.102	0.001	62	366937	1.81	
154 Di-n-butyl phthalate	149	10.359	10.359	0.0	99	473027	1.90	
159 Fluoranthene	202	10.957	10.957	0.0	76	494739	1.91	
160 Benzidine	184	11.054	11.053	0.001	84	179325	1.81	M
161 Pyrene	202	11.176	11.176	0.0	78	494245	1.91	
168 Butyl benzyl phthalate	149	11.785	11.785	0.0	83	201465	1.95	
172 3,3'-Dimethoxybenzidine	244	12.416	12.415	0.001	78	78653	1.84	
174 4,4'-Methylene bis(2-chloroanili	231	12.459	12.464	-0.005	68	79087	1.89	
175 3,3'-Dichlorobenzidine	252	12.459	12.464	-0.005	66	145915	1.92	
173 Bis(2-ethylhexyl) phthalate	149	12.485	12.485	0.0	96	307506	2.00	
177 Benzo[a]anthracene	228	12.523	12.522	0.001	89	435351	1.87	
178 Chrysene	228	12.571	12.576	-0.005	79	411538	1.92	
180 Di-n-octyl phthalate	149	13.420	13.425	-0.005	98	469921	2.10	
182 Benzo[b]fluoranthene	252	14.077	14.077	0.0	88	397416	1.92	
183 Benzo[k]fluoranthene	252	14.120	14.120	0.0	77	442164	2.07	
184 Benzo[a]pyrene	252	14.590	14.595	-0.005	75	379895	1.94	
188 Indeno[1,2,3-cd]pyrene	276	16.396	16.401	-0.005	80	426262	1.98	
189 Dibenz(a,h)anthracene	278	16.422	16.427	-0.005	31	359396	2.04	
190 Benzo[g,h,i]perylene	276	16.876	16.881	-0.005	77	352887	1.95	
S 191 Methyl Phenols,Total	100				0		3.89	

QC Flag Legend

Review Flags
M - Manually Integrated

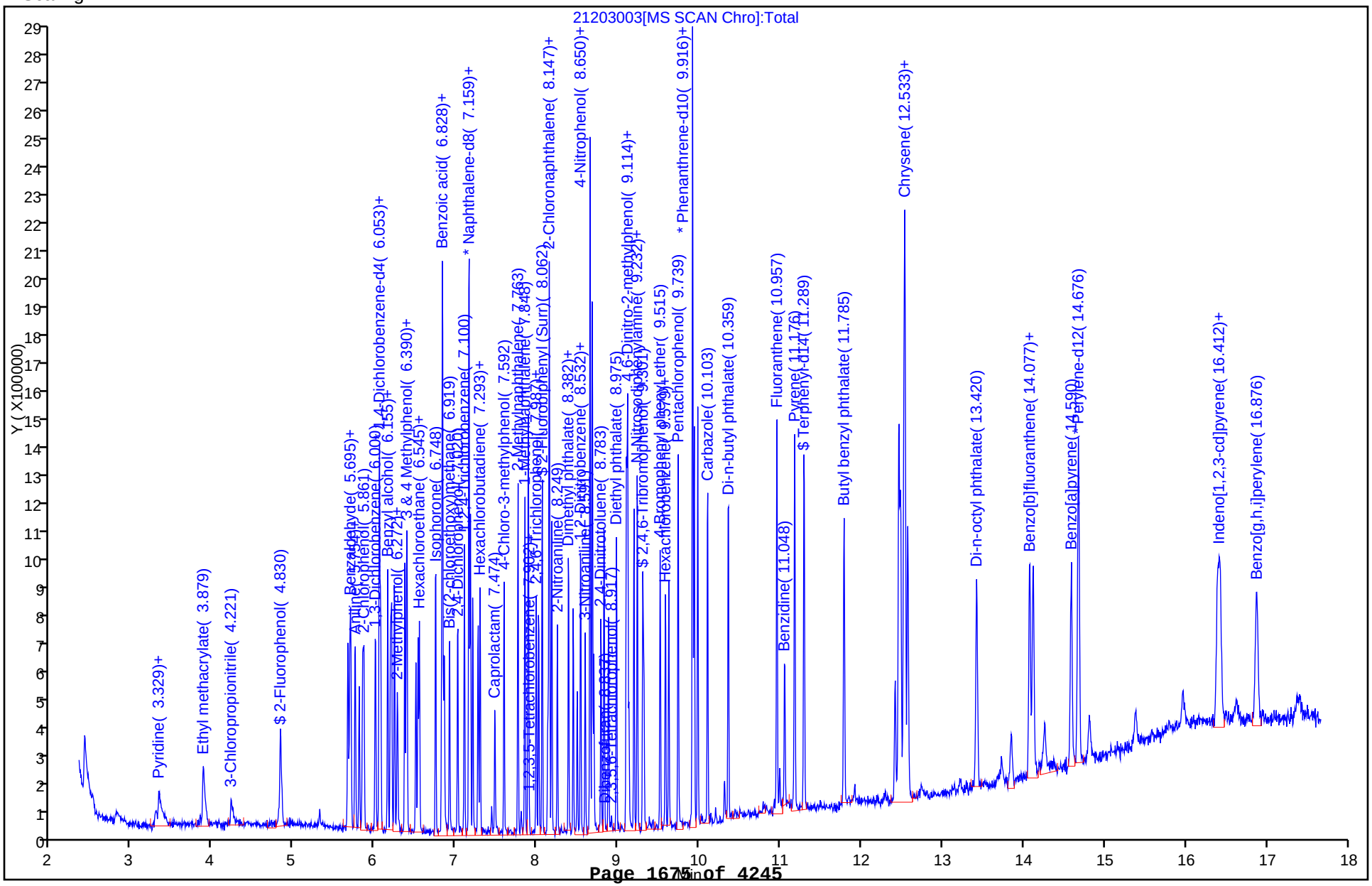
Report Date: 04-Dec-2012 08:01:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D

Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 04-Dec-2012 08:01:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

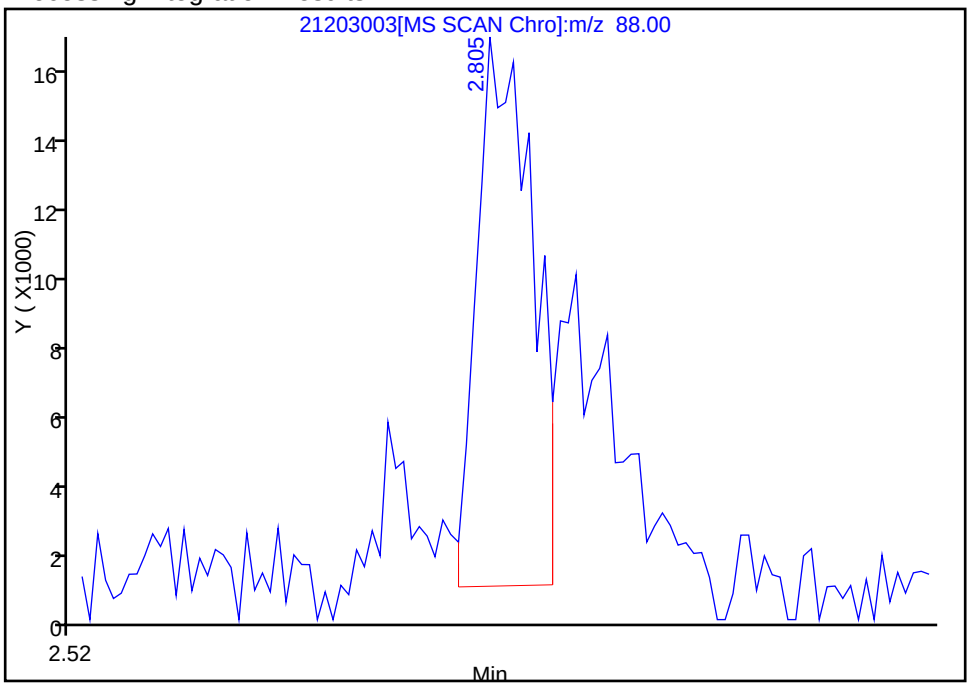
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

25 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 2.80

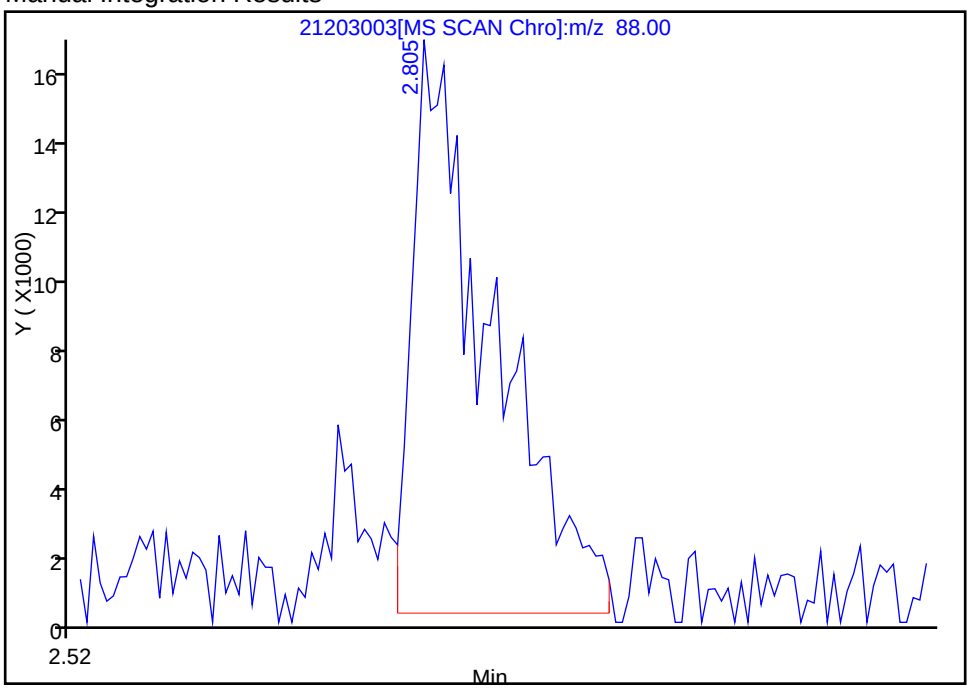
Processing Integration Results

RT: 2.81
Response: 41916
Amount: 1.585416



Manual Integration Results

RT: 2.81
Response: 73600
Amount: 2.342400



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

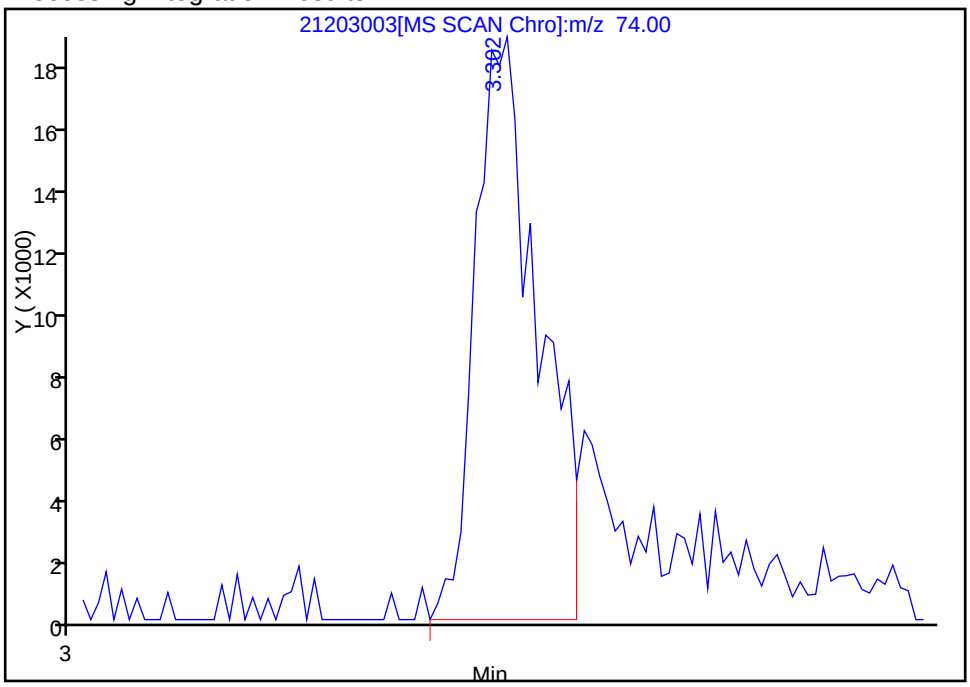
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.28

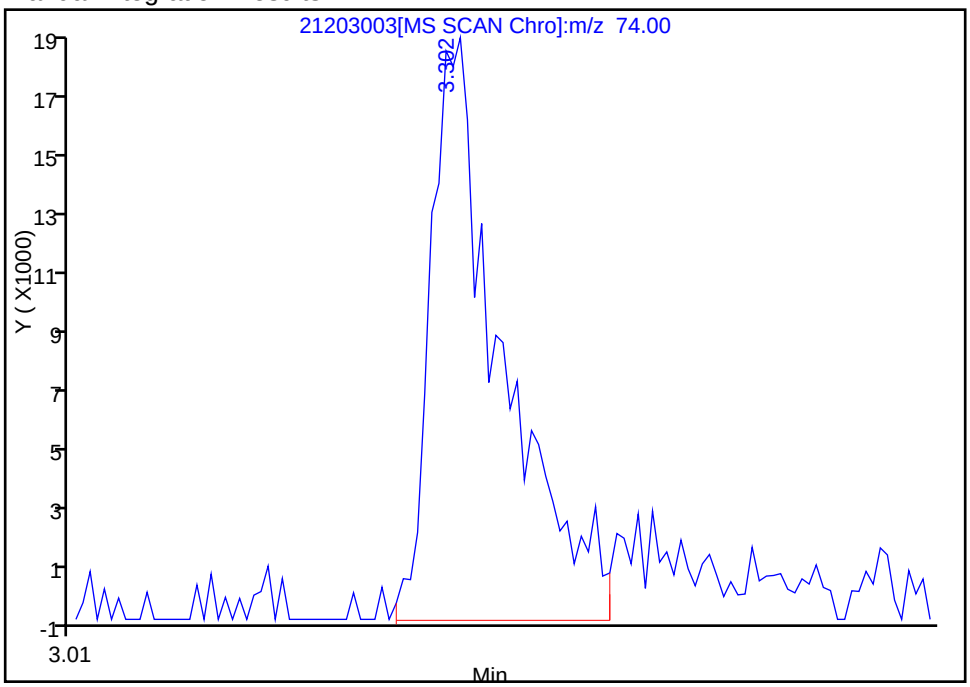
Processing Integration Results

RT: 3.30
Response: 55497
Amount: 1.706845



Manual Integration Results

RT: 3.30
Response: 67969
Amount: 1.646186



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

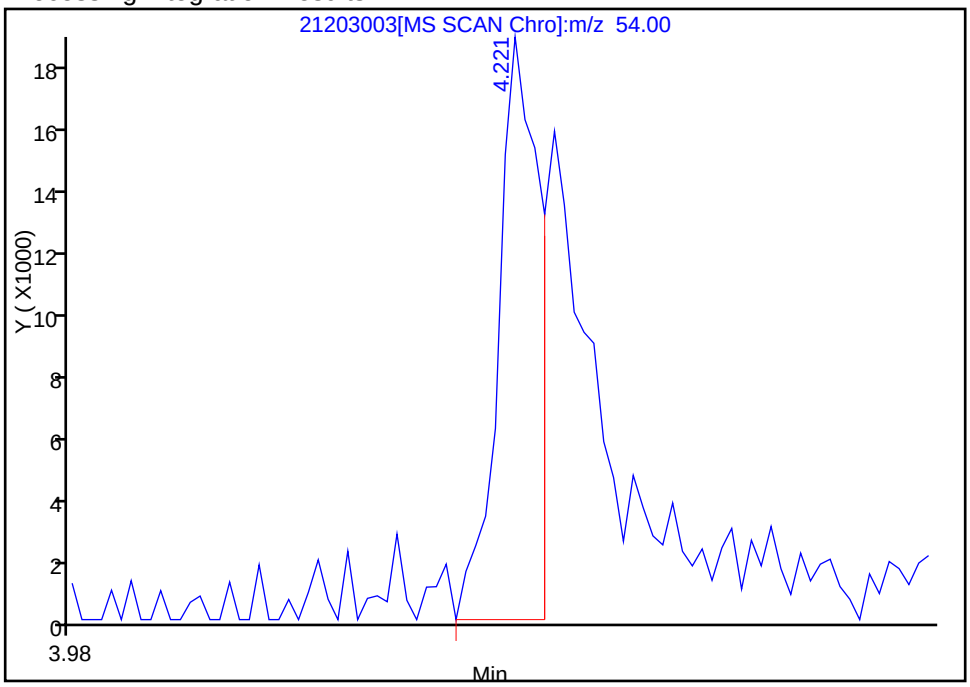
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.22

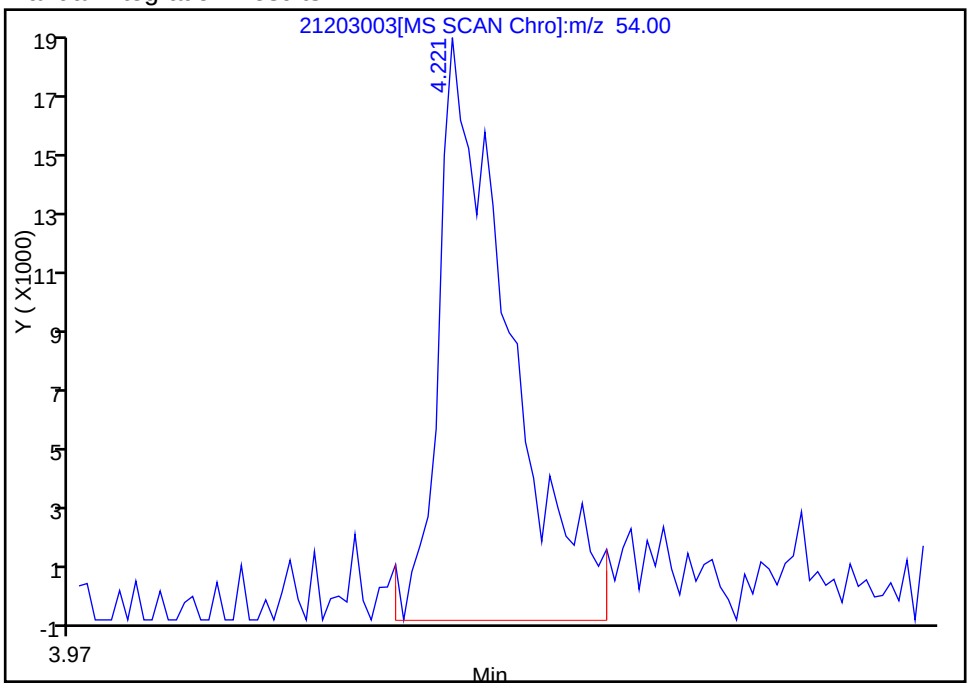
Processing Integration Results

RT: 4.22
Response: 28213
Amount: 1.354113



Manual Integration Results

RT: 4.22
Response: 57636
Amount: 1.930060



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 04-Dec-2012 08:01:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

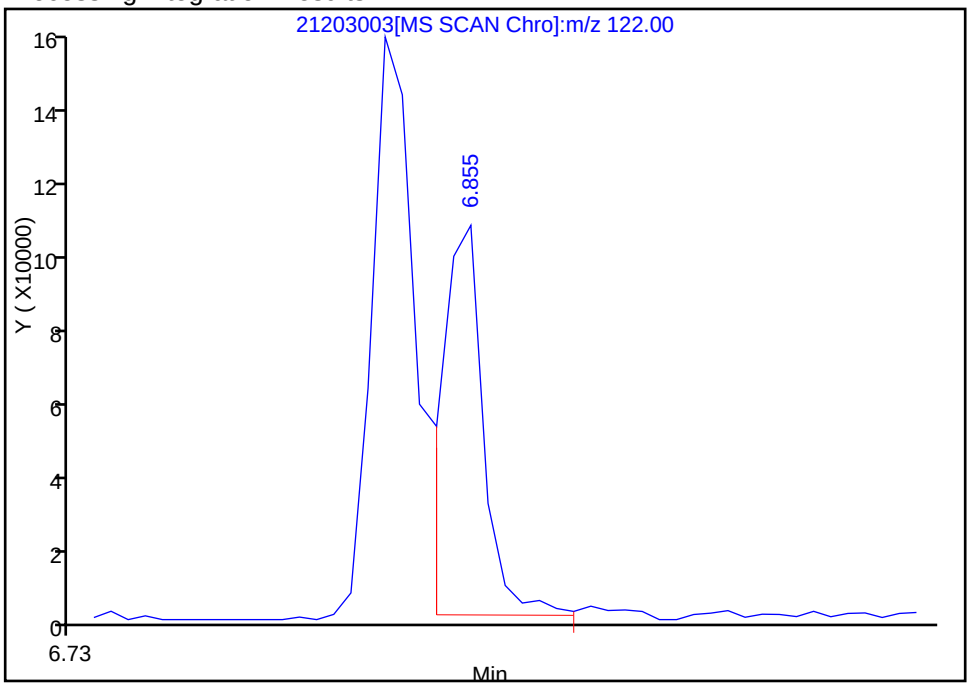
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.86

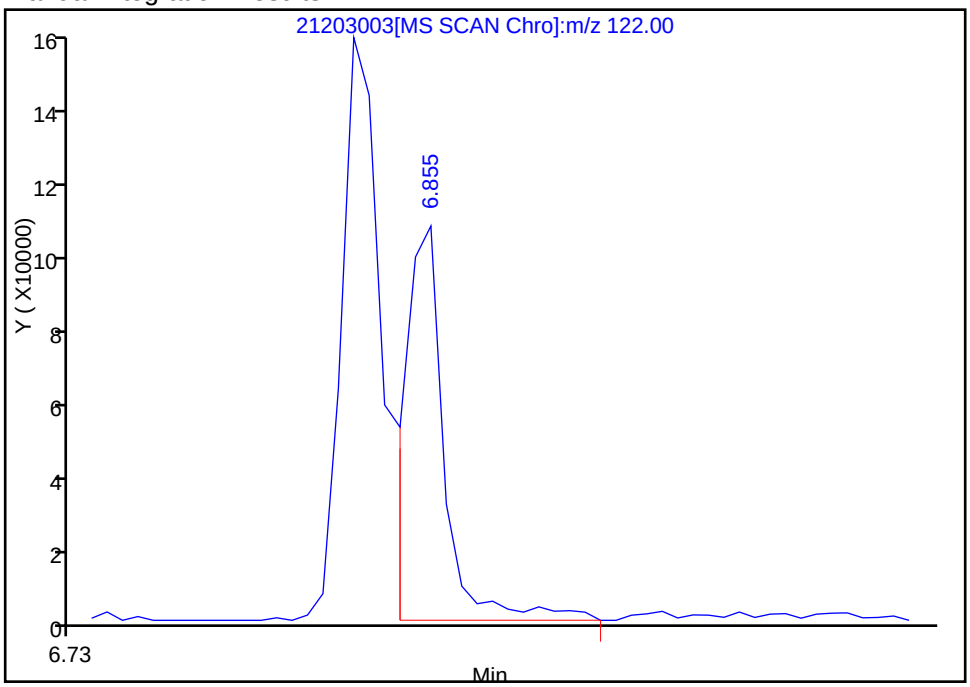
Processing Integration Results

RT: 6.85
Response: 92193
Amount: 3.536955



Manual Integration Results

RT: 6.85
Response: 98753
Amount: 4.125413



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

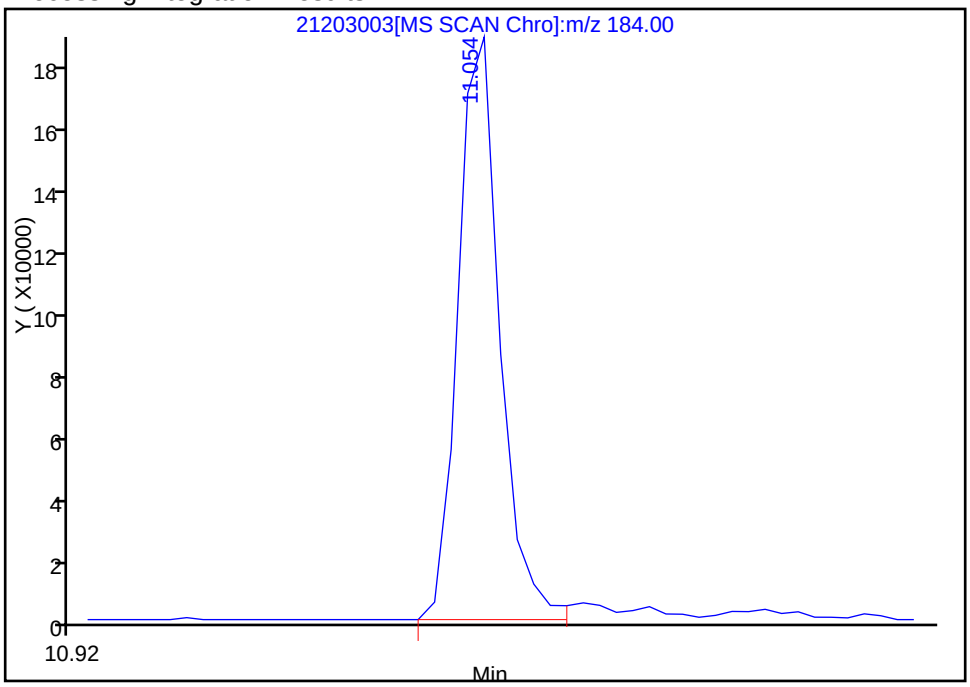
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203003.D		
Injection Date:	03-Dec-2012 11:57:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	3
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 11.05

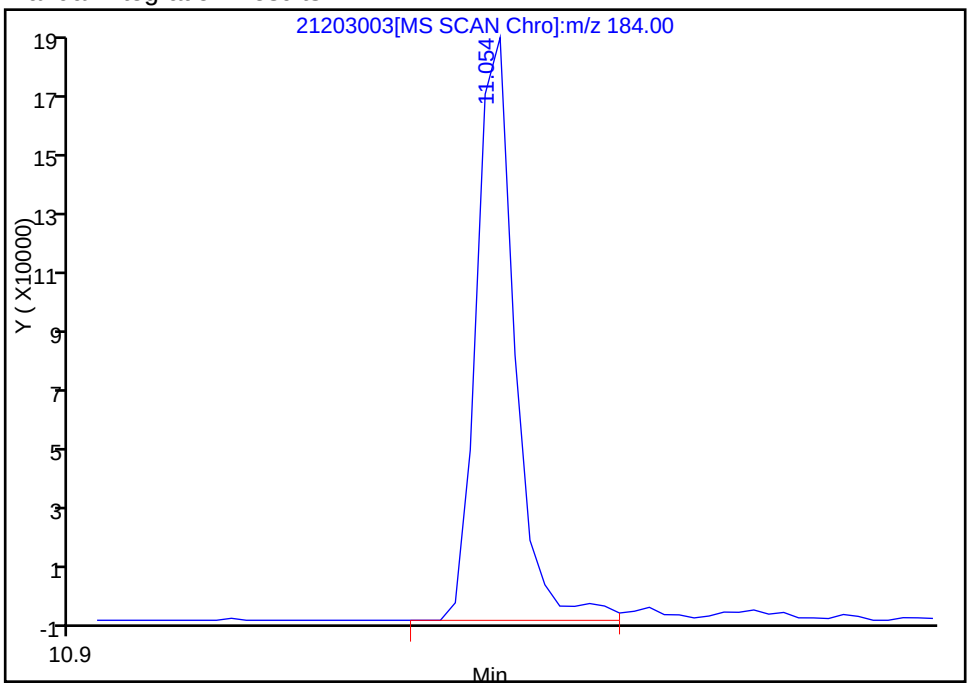
Processing Integration Results

RT: 11.05
Response: 175241
Amount: 1.650461



Manual Integration Results

RT: 11.05
Response: 179325
Amount: 1.812593



Reviewer: ulmanm, 03-Dec-2012 12:35:06
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Lims ID:	std3 tcl	Client ID:	
Inject. Date:	03-Dec-2012 12:23:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0015467-004		
Misc. Info.:	STD3 TCL =STD3 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	67070	Lims Sample ID:	4
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:19	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 13:20:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.052	6.053	-0.001	87	180951	4.00	
* 2 Naphthalene-d8	136	7.158	7.159	-0.001	98	731197	4.00	
* 3 Acenaphthene-d10	164	8.654	8.649	0.005	67	458264	4.00	
* 4 Phenanthrene-d10	188	9.914	9.915	-0.001	74	827757	4.00	
* 5 Chrysene-d12	240	12.537	12.538	-0.001	76	808779	4.00	
* 6 Perylene-d12	264	14.674	14.681	-0.007	78	656164	4.00	
$ 7 2-Fluorophenol	112	4.829	4.830	-0.001	82	71467	1.00	
$ 8 Phenol-d5	99	5.689	5.684	0.005	0	83118	0.8085	
$ 9 Nitrobenzene-d5	82	6.527	6.528	-0.001	81	102066	0.9121	
$ 10 2-Fluorobiphenyl (Surr)	172	8.061	8.062	-0.001	92	139870	0.9191	
$ 11 2,4,6-Tribromophenol	330	9.316	9.317	-0.001	56	15445	0.8703	
$ 12 Terphenyl-d14	244	11.293	11.294	-0.001	94	140052	0.8453	
25 1,4-Dioxane	88	2.809	2.805	0.004	53	36233	1.03	
26 N-Nitrosodimethylamine	74	3.295	3.275	0.020	54	38998	0.8450	M
27 Pyridine	79	3.333	3.318	0.015	83	98326	1.04	M
28 Ethyl methacrylate	69	3.878	3.879	-0.001	65	88277	0.9664	M
29 3-Chloropropionitrile	54	4.225	4.215	0.010	61	32110	0.9620	M
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.662	5.663	-0.001	79	85156	0.9630	
43 Phenol	94	5.699	5.700	-0.001	92	104773	0.8995	
44 Aniline	93	5.753	5.754	-0.001	91	132878	0.9129	
69 Bis(2-chloroethyl)ether	93	5.801	5.802	-0.001	92	83963	0.9343	
46 2-Chlorophenol	128	5.860	5.861	-0.001	91	65098	0.9852	
47 1,3-Dichlorobenzene	146	6.004	6.005	-0.001	81	68057	0.9580	
48 1,4-Dichlorobenzene	146	6.068	6.069	-0.001	80	72462	1.01	
49 Benzyl alcohol	108	6.153	6.154	-0.001	76	47603	0.8740	
50 1,2-Dichlorobenzene	146	6.201	6.203	-0.002	78	72856	1.06	
51 2-Methylphenol	108	6.239	6.240	-0.001	93	70206	0.9036	
53 2,2'-oxybis[1-chloropropane]	45	6.271	6.272	-0.001	97	86200	0.9412	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.362	6.363	-0.001	89	76864	0.9296	
57 N-Nitrosodi-n-propylamine	70	6.383	6.384	-0.001	70	74460	0.9138	
58 Acetophenone	105	6.394	6.395	-0.001	79	111915	0.9325	
61 Hexachloroethane	117	6.501	6.502	-0.001	84	31356	0.9342	
62 Nitrobenzene	77	6.543	6.544	-0.001	74	107279	0.9107	
64 Isophorone	82	6.746	6.747	-0.001	93	180520	0.8402	
66 2-Nitrophenol	139	6.821	6.822	-0.001	83	30729	0.9568	
65 2,4-Dimethylphenol	107	6.832	6.828	0.004	95	86010	0.9535	
67 1,3,5-Trichlorobenzene	180	6.832	6.833	-0.001	75	62851	0.9536	
71 Benzoic acid	122	6.843	6.865	-0.022	0	43345	2.57	M
70 Bis(2-chloroethoxy)methane	93	6.917	6.918	-0.001	92	102759	0.9348	
73 2,4-Dichlorophenol	162	7.019	7.020	-0.001	88	50413	0.9730	
74 1,2,4-Trichlorobenzene	180	7.099	7.100	-0.001	80	59431	0.9274	
75 Naphthalene	128	7.174	7.175	-0.001	91	179633	0.8945	
76 4-Chloroaniline	127	7.206	7.202	0.004	59	76741	0.9663	
79 Hexachlorobutadiene	225	7.270	7.271	-0.001	80	34526	0.9879	
80 1,2,3-Trichlorobenzene	180	7.297	7.292	0.005	84	58785	0	
84 Caprolactam	113	7.473	7.479	-0.006	73	23626	1.12	
86 4-Chloro-3-methylphenol	107	7.590	7.592	-0.002	79	67551	0.8890	
87 2-Methylnaphthalene	142	7.761	7.762	-0.001	90	119237	0.9472	
88 1-Methylnaphthalene	142	7.847	7.848	-0.001	76	117141	0.9617	
90 1,2,3,5-Tetrachlorobenzene	216	7.890	7.891	-0.001	82	64586	1.01	
89 Hexachlorocyclopentadiene	237	7.890	7.891	-0.001	61	33939	0.9213	
92 2,4,6-Trichlorophenol	196	7.986	7.987	-0.001	81	39472	0.99	
93 2,4,5-Trichlorophenol	196	8.018	8.019	-0.001	88	45065	1.03	
97 2,4-Toluene diamine	121	8.130	8.131	-0.001	88	37351	1.04	
99 1,2,3,4 -Tetrachlorobenzene	216	8.146	8.147	-0.001	82	59425	0	
98 1,1'-Biphenyl	154	8.151	8.152	-0.001	87	155182	0.9375	
100 2-Chloronaphthalene	162	8.178	8.179	-0.001	96	120779	0.9560	
102 2-Nitroaniline	65	8.248	8.249	-0.001	68	53615	0.9115	
105 Dimethyl phthalate	163	8.386	8.388	-0.002	91	131956	0.8864	
107 2,6-Dinitrotoluene	165	8.445	8.446	-0.001	66	26244	0.8477	
108 1,2-Dinitrobenzene	168	8.493	8.494	-0.001	67	14355	0.9430	
109 Acenaphthylene	152	8.536	8.537	-0.001	92	179744	0.8918	
110 3-Nitroaniline	138	8.589	8.591	-0.001	82	29136	0.8749	
111 2,4-Dinitrophenol	184	8.675	8.676	-0.001	46	22221	2.54	
112 Acenaphthene	153	8.680	8.681	-0.001	81	112464	0.8798	
113 4-Nitrophenol	109	8.696	8.697	-0.001	77	22450	0.9161	
114 2,4-Dinitrotoluene	165	8.787	8.788	-0.001	70	33761	0.8127	
116 Dibenzofuran	168	8.824	8.826	-0.002	88	171901	0.9320	
118 2,3,5,6-Tetrachlorophenol	232	8.878	8.879	-0.001	86	33187	0.9156	
121 Diethyl phthalate	149	8.979	8.980	-0.001	92	130788	0.8875	
123 4-Chlorophenyl phenyl ether	204	9.097	9.098	-0.001	90	78374	0.9891	
125 4-Nitroaniline	138	9.108	9.109	-0.001	68	31051	0.8853	
126 Fluorene	166	9.113	9.114	-0.001	60	148698	0.9523	
128 4,6-Dinitro-2-methylphenol	198	9.129	9.130	-0.001	60	15977	1.15	
131 N-Nitrosodiphenylamine	169	9.193	9.194	-0.001	91	99063	0.8663	
133 Azobenzene	77	9.236	9.237	-0.001	93	238402	0.8562	
132 1,2-Diphenylhydrazine	77	9.236	9.237	-0.001	100	238402	0.8562	
139 4-Bromophenyl phenyl ether	248	9.519	9.520	-0.001	73	36737	0.8801	
141 Hexachlorobenzene	284	9.583	9.584	-0.001	80	38543	0.9152	
142 Atrazine	200	9.620	9.622	-0.002	79	34876	0.9579	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.738	9.739	-0.001	78	47995	1.99	
148 Phenanthrene	178	9.936	9.937	-0.001	80	229503	0.9280	
149 Anthracene	178	9.978	9.979	-0.001	83	219050	0.8842	
151 Carbazole	167	10.101	10.102	-0.001	78	190352	0.8579	
154 Di-n-butyl phthalate	149	10.358	10.359	-0.001	98	219458	0.8052	
159 Fluoranthene	202	10.956	10.957	-0.001	81	243024	0.8609	
160 Benzidine	184	11.052	11.053	-0.001	84	86398	1.11	
161 Pyrene	202	11.175	11.176	-0.001	78	251331	0.8981	
168 Butyl benzyl phthalate	149	11.784	11.785	-0.001	81	94335	0.8446	
172 3,3'-Dimethoxybenzidine	244	12.414	12.415	-0.001	74	39058	1.16	
174 4,4'-Methylene bis(2-chloroanili	231	12.462	12.464	-0.002	72	39962	0.8854	
175 3,3'-Dichlorobenzidine	252	12.462	12.464	-0.002	71	71021	0.99	
173 Bis(2-ethylhexyl) phthalate	149	12.484	12.485	-0.001	89	136001	0.8183	
177 Benzo[a]anthracene	228	12.521	12.522	-0.001	81	244392	0.9704	
178 Chrysene	228	12.569	12.576	-0.007	79	203554	0.8814	
180 Di-n-octyl phthalate	149	13.424	13.425	-0.001	97	201729	0.8598	
182 Benzo[b]fluoranthene	252	14.076	14.077	-0.001	83	214322	0.9423	
183 Benzo[k]fluoranthene	252	14.119	14.120	-0.002	81	206313	0.8820	
184 Benzo[a]pyrene	252	14.589	14.595	-0.006	64	191163	0.8903	
188 Indeno[1,2,3-cd]pyrene	276	16.394	16.401	-0.007	81	224422	0.9515	M
189 Dibenz(a,h)anthracene	278	16.426	16.427	-0.001	65	178133	0.9202	
190 Benzo[g,h,i]perylene	276	16.875	16.881	-0.006	72	178013	0.8986	
S 191 Methyl Phenols,Total	100				0		1.83	

QC Flag Legend

Review Flags
M - Manually Integrated

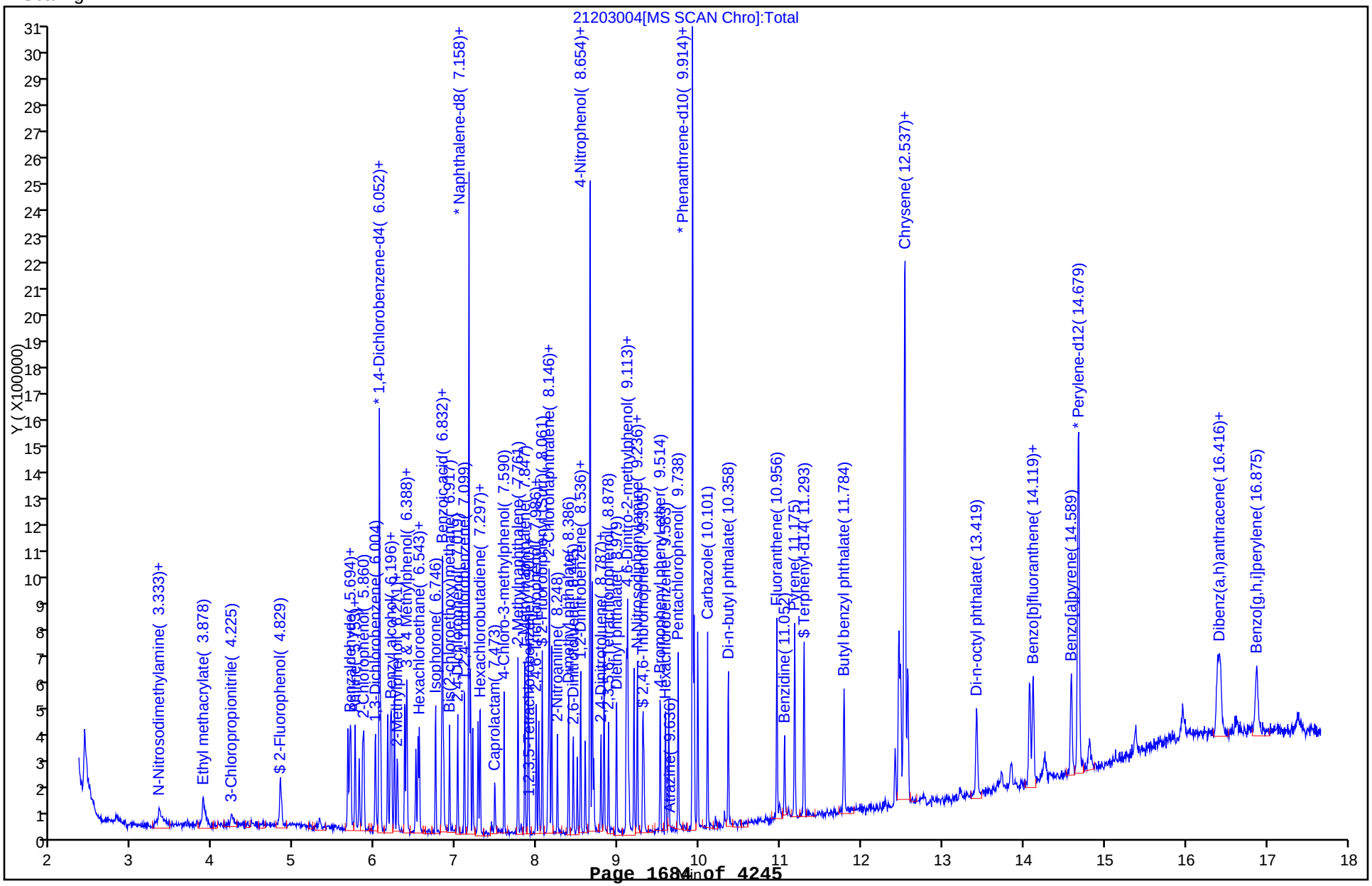
Report Date: 04-Dec-2012 08:01:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D

Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

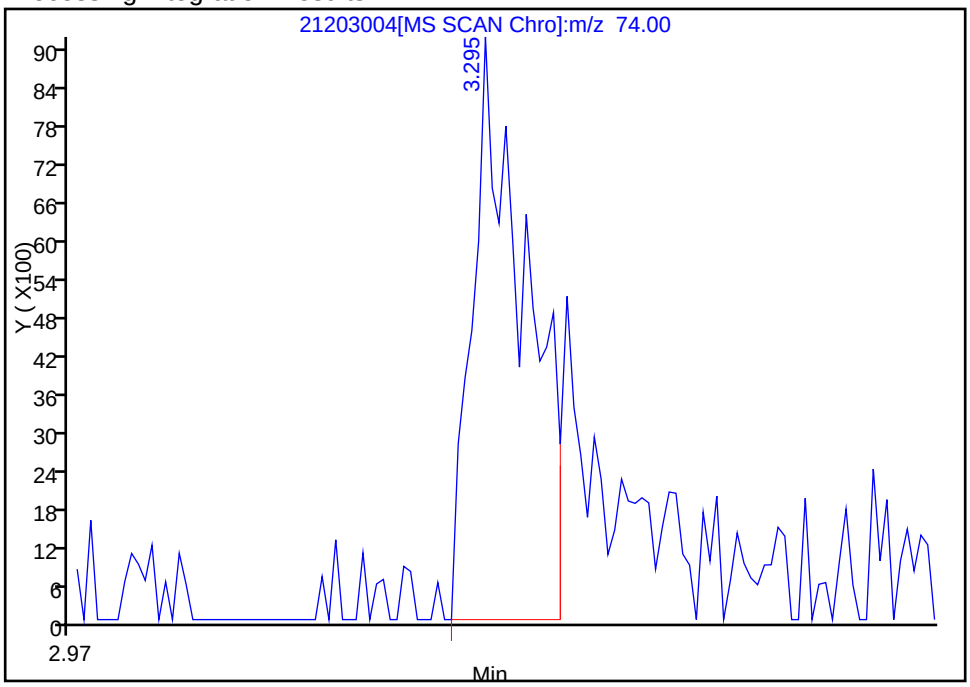
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.28

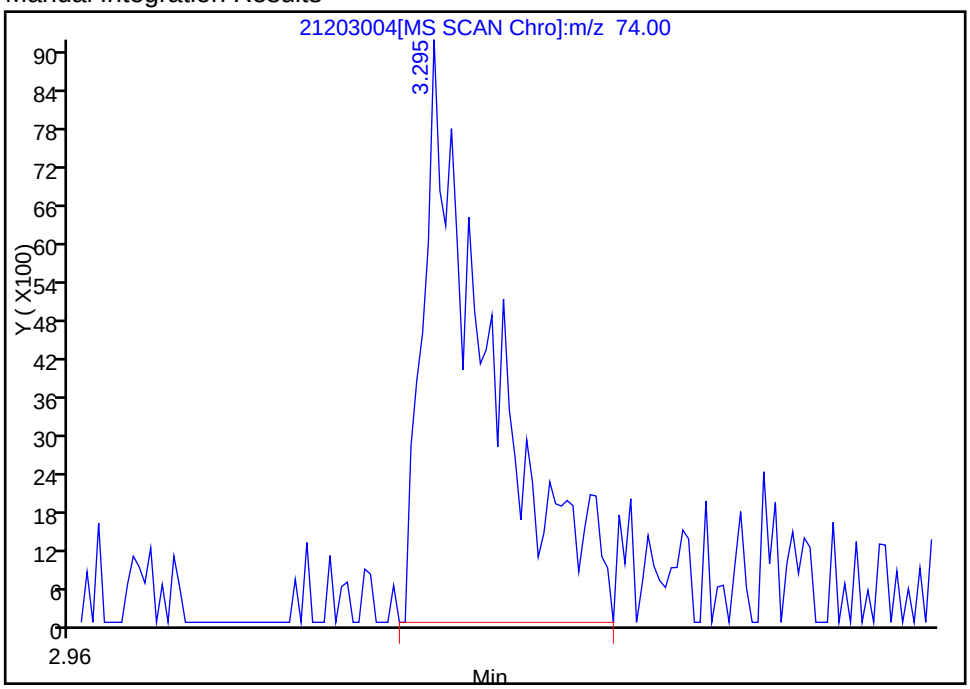
Processing Integration Results

RT: 3.30
Response: 26879
Amount: 0.756892



Manual Integration Results

RT: 3.30
Response: 38998
Amount: 0.844999



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

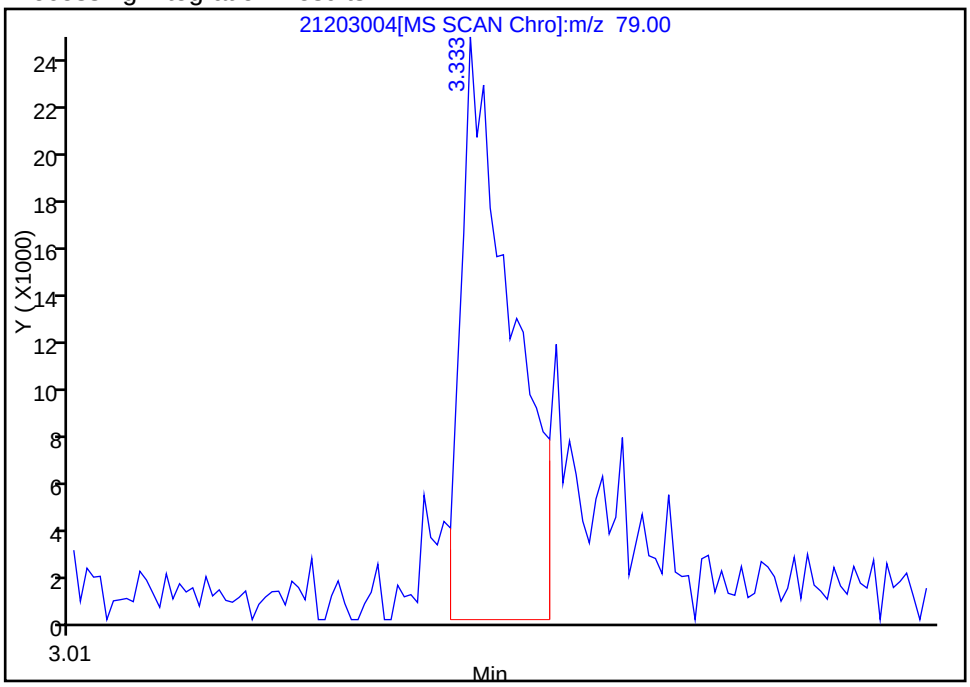
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.32

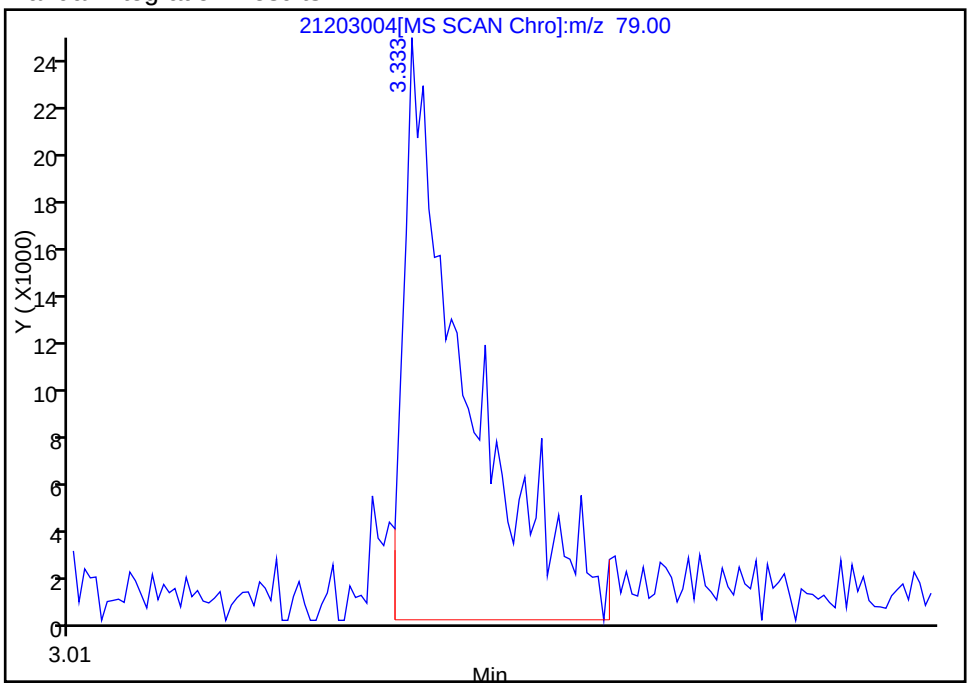
Processing Integration Results

RT: 3.33
Response: 68455
Amount: 0.834802



Manual Integration Results

RT: 3.33
Response: 98326
Amount: 1.044078



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

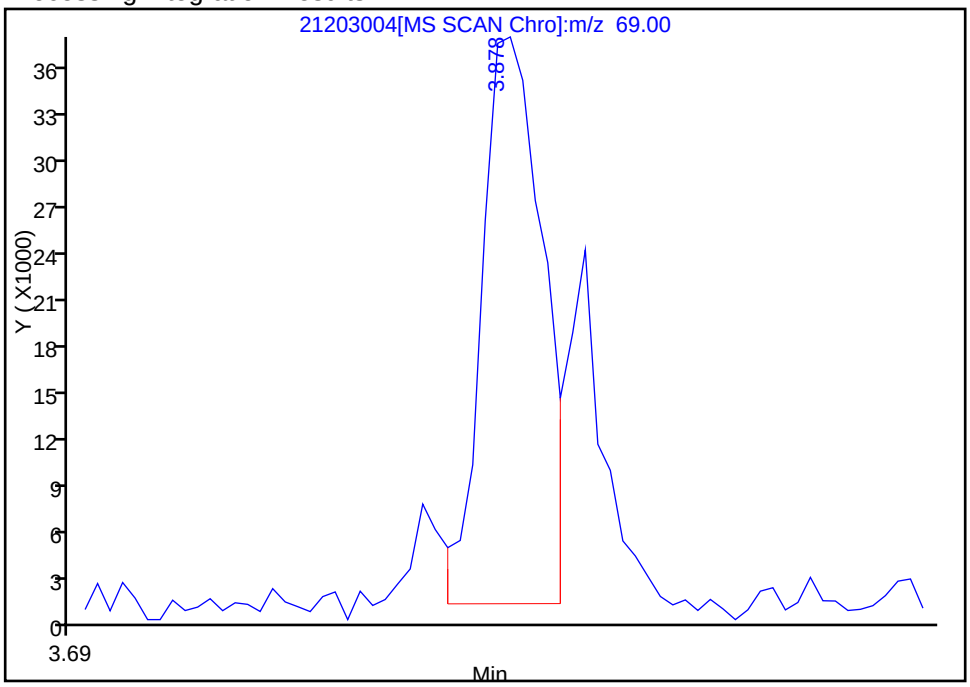
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.88

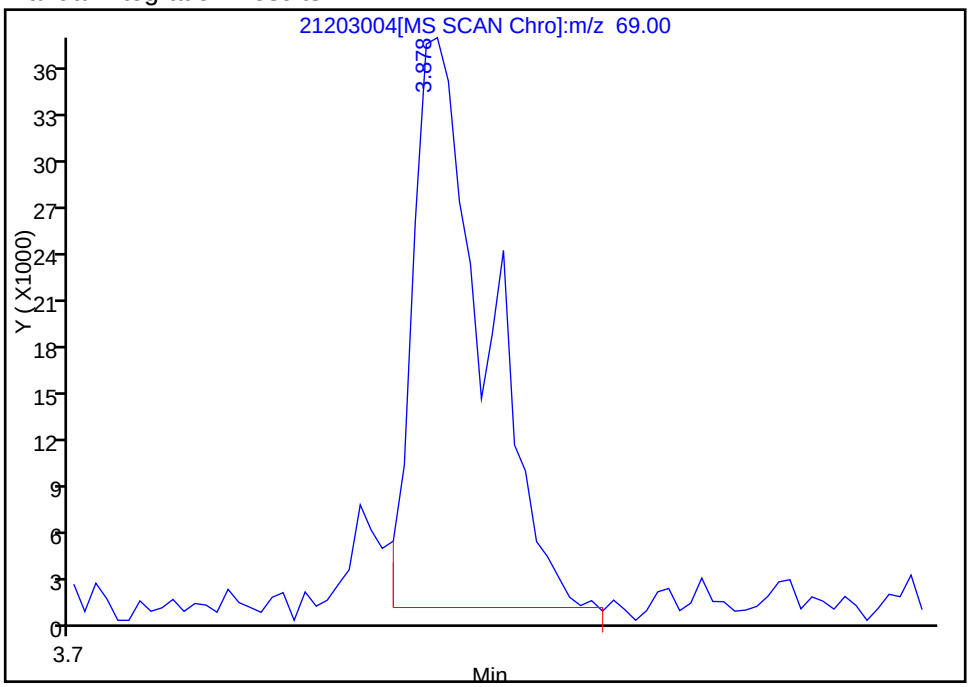
Processing Integration Results

RT: 3.88
Response: 66442
Amount: 0.817365



Manual Integration Results

RT: 3.88
Response: 88277
Amount: 0.966433



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 04-Dec-2012 08:01:20 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

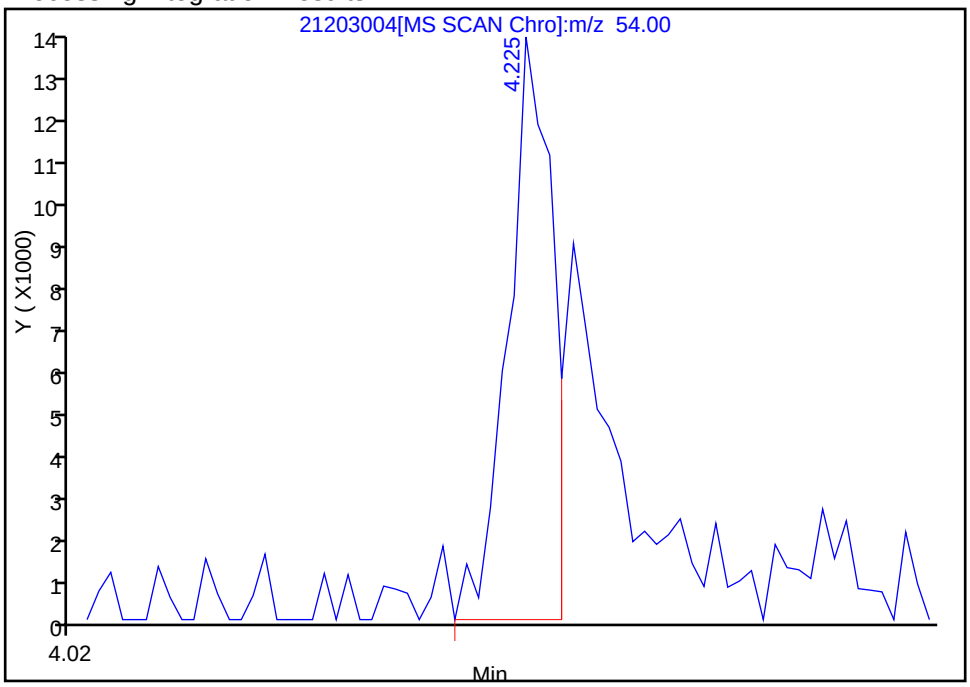
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.22

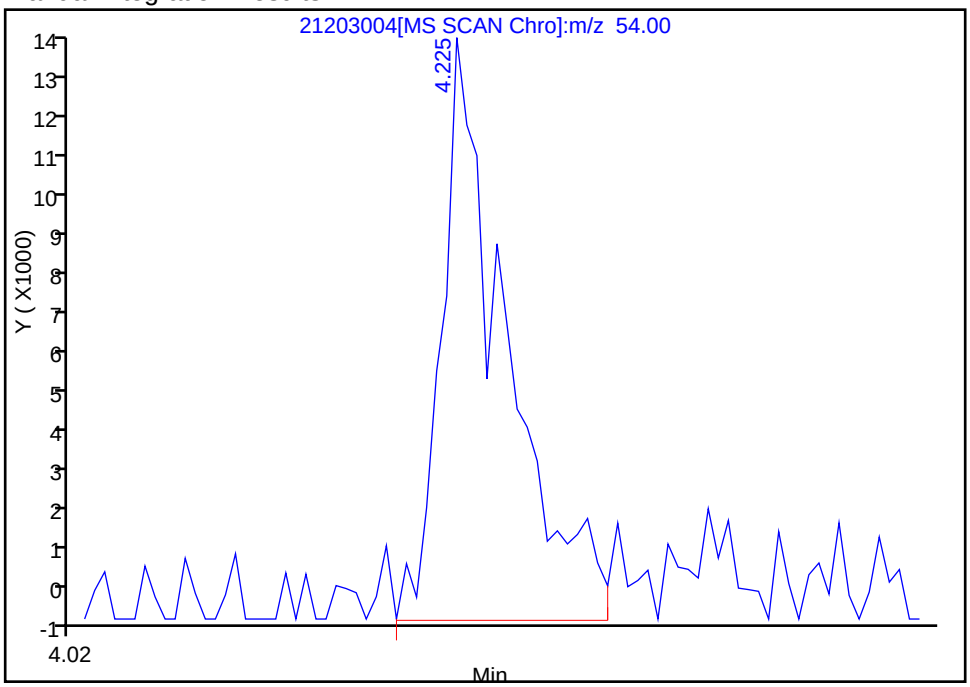
Processing Integration Results

RT: 4.22
Response: 18910
Amount: 0.692404



Manual Integration Results

RT: 4.22
Response: 32110
Amount: 0.961973



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

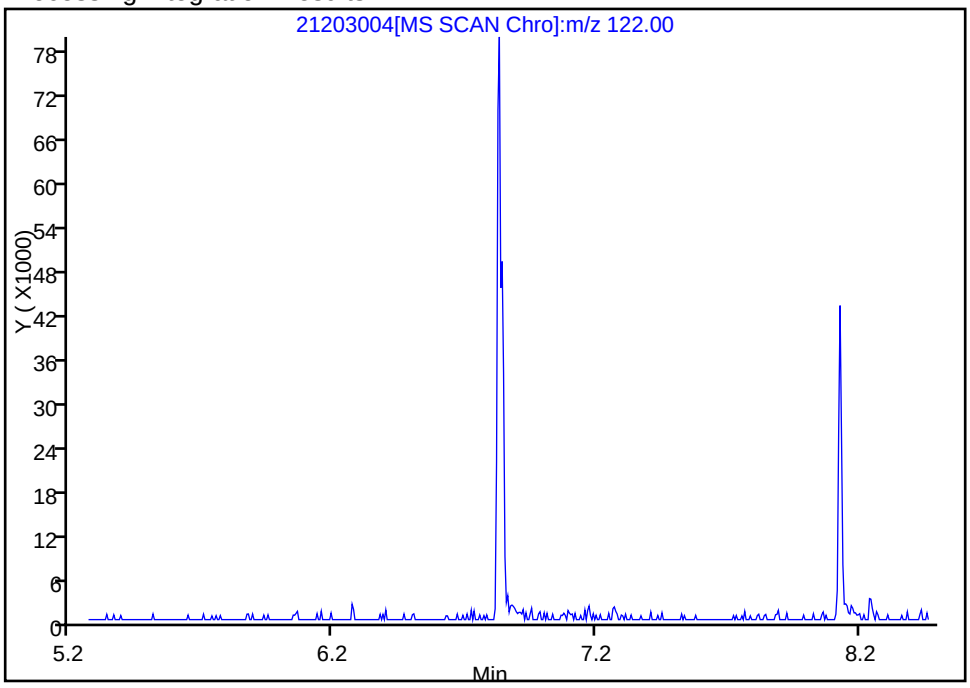
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.86

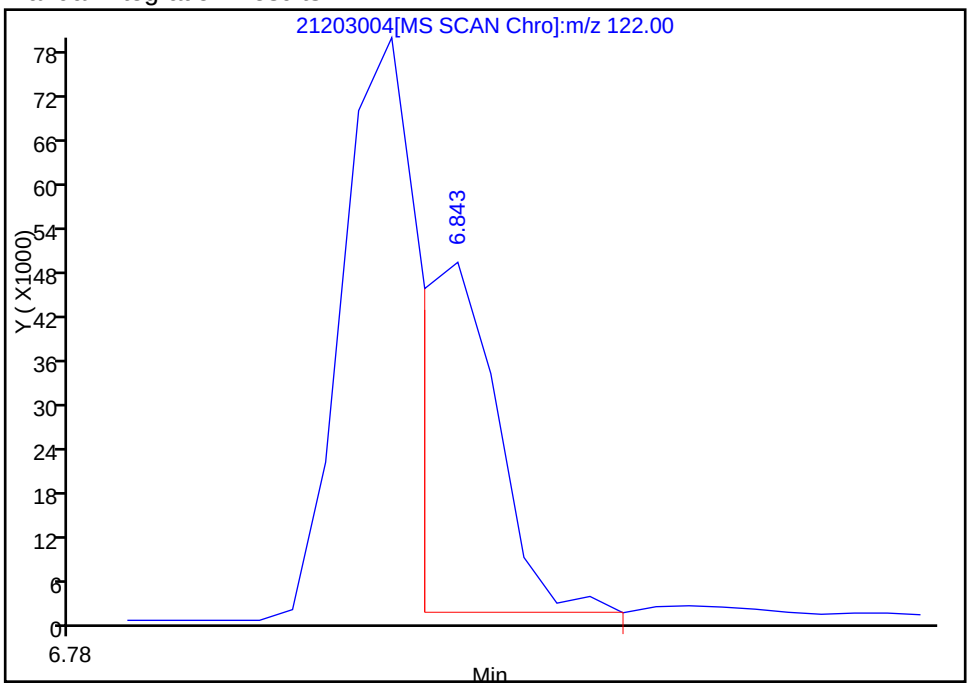
Processing Integration Results

Not Detected
Expected RT: 6.86



Manual Integration Results

RT: 6.84
Response: 43345
Amount: 2.573190



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

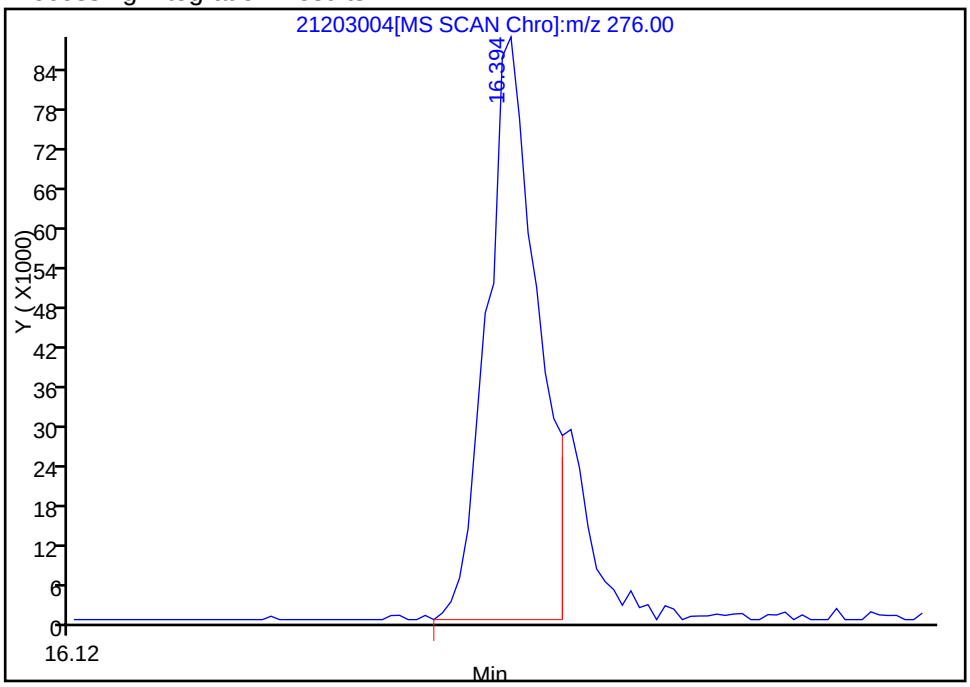
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203004.D		
Injection Date:	03-Dec-2012 12:23:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	4
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.40

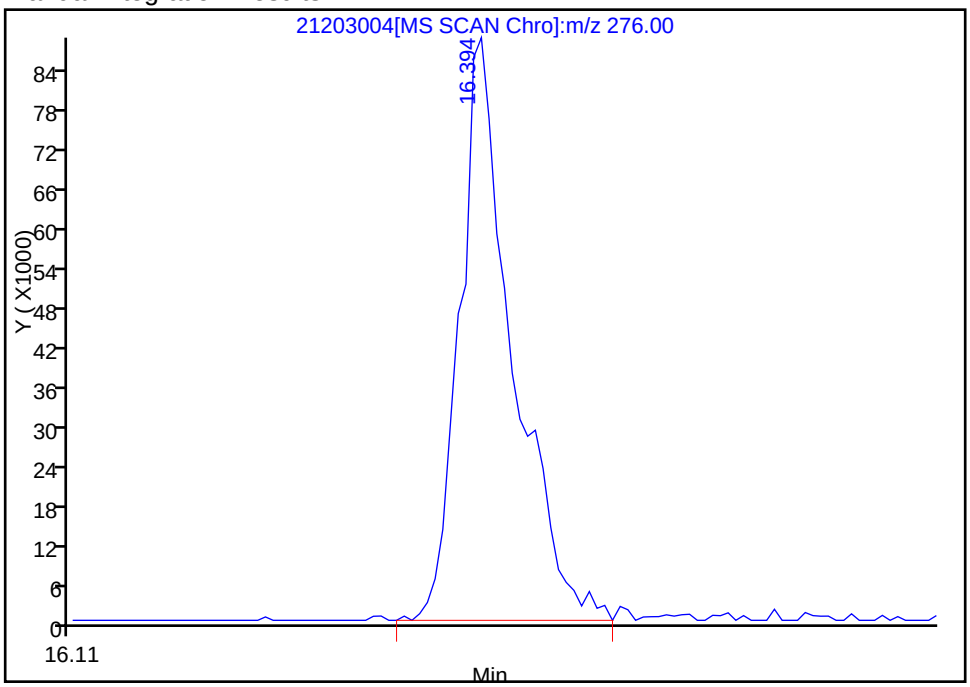
Processing Integration Results

RT: 16.39
Response: 193958
Amount: 0.872884



Manual Integration Results

RT: 16.39
Response: 224422
Amount: 0.951466



Reviewer: ulmanm, 03-Dec-2012 13:20:21
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Lims ID:	std2 tcl	Client ID:	
Inject. Date:	03-Dec-2012 12:48:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015467-005		
Misc. Info.:	STD2 TCL =STD2 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	67070	Lims Sample ID:	5
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:21	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 13:30:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.053	0.0	87	166689	4.00	
* 2 Naphthalene-d8	136	7.159	7.159	0.0	98	690277	4.00	
* 3 Acenaphthene-d10	164	8.649	8.649	0.0	62	424077	4.00	
* 4 Phenanthrene-d10	188	9.916	9.915	0.001	76	777415	4.00	
* 5 Chrysene-d12	240	12.533	12.538	-0.005	76	773850	4.00	
* 6 Perylene-d12	264	14.675	14.681	-0.006	76	601643	4.00	
$ 7 2-Fluorophenol	112	4.830	4.830	0.0	72	31278	0.4769	
$ 8 Phenol-d5	99	5.685	5.684	0.001	0	46578	0.4918	
$ 9 Nitrobenzene-d5	82	6.529	6.528	0.001	77	51904	0.4913	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.062	0.0	87	63034	0.4476	
$ 11 2,4,6-Tribromophenol	330	9.317	9.317	0.0	37	6525	0.3973	
$ 12 Terphenyl-d14	244	11.288	11.294	-0.006	92	77875	0.4912	
25 1,4-Dioxane	88		2.805					M
26 N-Nitrosodimethylamine	74		3.275					M
27 Pyridine	79	3.350	3.318	0.032	82	40196	0.4633	M
28 Ethyl methacrylate	69	3.879	3.879	0.0	67	47787	0.5679	M
29 3-Chloropropionitrile	54	4.226	4.215	0.011	57	12811	0.4166	M
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.663	5.663	0.0	76	45364	0.6037	
43 Phenol	94	5.701	5.700	0.001	79	50968	0.4750	
44 Aniline	93	5.754	5.754	0.0	78	60535	0.4515	
69 Bis(2-chloroethyl)ether	93	5.802	5.802	0.0	86	40700	0.4916	
46 2-Chlorophenol	128	5.861	5.861	0.0	79	28679	0.4712	
47 1,3-Dichlorobenzene	146	6.000	6.005	-0.005	72	29838	0.4559	
48 1,4-Dichlorobenzene	146	6.069	6.069	0.0	46	32037	0.4847	
49 Benzyl alcohol	108	6.155	6.154	0.001	73	25678	0.5118	
50 1,2-Dichlorobenzene	146	6.203	6.203	0.0	81	29726	0.4673	
51 2-Methylphenol	108	6.235	6.240	-0.005	86	32023	0.4474	
53 2,2'-oxybis[1-chloropropane]	45	6.272	6.272	0.0	95	41429	0.4910	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.363	6.363	0.0	81	32008	0.4202	
57 N-Nitrosodi-n-propylamine	70	6.384	6.384	0.0	60	35519	0.4732	
58 Acetophenone	105	6.390	6.395	-0.005	88	53016	0.4795	
61 Hexachloroethane	117	6.502	6.502	0.0	87	17103	0.5531	
62 Nitrobenzene	77	6.545	6.544	0.001	75	52311	0.4704	
64 Isophorone	82	6.742	6.747	-0.005	83	87765	0.4327	
66 2-Nitrophenol	139	6.822	6.822	0.0	76	10971	0.3618	
65 2,4-Dimethylphenol	107	6.828	6.828	0.0	90	42386	0.4977	
67 1,3,5-Trichlorobenzene	180	6.828	6.833	-0.005	64	33020	0.5307	
71 Benzoic acid	122		6.865					
70 Bis(2-chloroethoxy)methane	93	6.919	6.918	0.001	87	47277	0.4556	
73 2,4-Dichlorophenol	162	7.020	7.020	0.0	79	21517	0.4399	
74 1,2,4-Trichlorobenzene	180	7.100	7.100	0.0	80	31931	0.5278	
75 Naphthalene	128	7.175	7.175	0.0	68	85728	0.4522	
76 4-Chloroaniline	127	7.202	7.202	0.0	78	33909	0.4523	
79 Hexachlorobutadiene	225	7.271	7.271	0.0	71	17181	0.5208	
80 1,2,3-Trichlorobenzene	180	7.293	7.292	0.001	75	31708	0	
84 Caprolactam	113	7.480	7.479	0.001	68	7176	0.3597	
86 4-Chloro-3-methylphenol	107	7.586	7.592	-0.006	75	32042	0.4467	
87 2-Methylnaphthalene	142	7.763	7.762	0.001	73	51331	0.4319	
88 1-Methylnaphthalene	142	7.848	7.848	0.0	78	57695	0.5017	
90 1,2,3,5-Tetrachlorobenzene	216	7.891	7.891	0.0	70	28675	0.4846	
89 Hexachlorocyclopentadiene	237	7.891	7.891	0.0	64	14882	0.4365	
92 2,4,6-Trichlorophenol	196	7.987	7.987	0.0	77	16004	0.4359	
93 2,4,5-Trichlorophenol	196	8.019	8.019	0.0	71	18537	0.4588	
97 2,4-Toluene diamine	121	8.131	8.131	0.0	87	21489	0.6355	
99 1,2,3,4 -Tetrachlorobenzene	216	8.142	8.147	-0.005	83	30836	0	
98 1,1'-Biphenyl	154	8.153	8.152	0.001	84	67250	0.4390	
100 2-Chloronaphthalene	162	8.179	8.179	0.0	91	58061	0.4966	
102 2-Nitroaniline	65	8.249	8.249	0.0	49	23252	0.4272	
105 Dimethyl phthalate	163	8.388	8.388	0.0	92	64582	0.4688	
107 2,6-Dinitrotoluene	165	8.441	8.446	-0.005	72	11264	0.3932	
108 1,2-Dinitrobenzene	168	8.495	8.494	0.001	66	6247	0.4435	
109 Acenaphthylene	152	8.532	8.537	-0.005	89	81803	0.4386	
110 3-Nitroaniline	138	8.591	8.591	0.001	73	13218	0.4289	
111 2,4-Dinitrophenol	184		8.676					
112 Acenaphthene	153	8.682	8.681	0.001	77	54532	0.4610	
113 4-Nitrophenol	109	8.698	8.697	0.001	61	9038	0.3985	
114 2,4-Dinitrotoluene	165	8.788	8.788	0.0	66	15069	0.3920	
116 Dibenzofuran	168	8.826	8.826	0.0	86	78985	0.4627	
118 2,3,5,6-Tetrachlorophenol	232		8.879					
121 Diethyl phthalate	149	8.975	8.980	-0.005	89	61444	0.4506	
123 4-Chlorophenyl phenyl ether	204	9.098	9.098	0.0	84	34272	0.4674	
125 4-Nitroaniline	138	9.109	9.109	0.0	65	11792	0.3633	
126 Fluorene	166	9.114	9.114	0.0	72	65725	0.4549	
128 4,6-Dinitro-2-methylphenol	198		9.130					9
131 N-Nitrosodiphenylamine	169	9.194	9.194	0.0	87	48999	0.4562	
133 Azobenzene	77	9.232	9.237	-0.005	92	114275	0.4370	
132 1,2-Diphenylhydrazine	77	9.232	9.237	-0.005	98	114275	0.4370	
139 4-Bromophenyl phenyl ether	248	9.520	9.520	0.0	66	17853	0.4554	
141 Hexachlorobenzene	284	9.584	9.584	0.0	70	20402	0.5158	
142 Atrazine	200	9.622	9.622	0.0	60	15010	0.4390	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.739	9.739	0.0	61	16525	1.01	
148 Phenanthrene	178	9.937	9.937	0.0	71	99497	0.4284	
149 Anthracene	178	9.980	9.979	0.001	80	98547	0.4236	
151 Carbazole	167	10.103	10.102	0.001	56	92268	0.4428	
154 Di-n-butyl phthalate	149	10.359	10.359	0.0	97	98705	0.3856	
159 Fluoranthene	202	10.957	10.957	0.0	79	118828	0.4482	
160 Benzidine	184	11.053	11.053	0.0	72	36712	0.7938	M
161 Pyrene	202	11.176	11.176	0.0	77	118483	0.4425	
168 Butyl benzyl phthalate	149	11.785	11.785	0.0	65	39327	0.3680	
172 3,3'-Dimethoxybenzidine	244		12.415					
174 4,4'-Methylene bis(2-chloroanili	231	12.458	12.464	-0.006	61	16346	0.3785	
175 3,3'-Dichlorobenzidine	252	12.464	12.464	0.0	52	30506	0.5695	
173 Bis(2-ethylhexyl) phthalate	149	12.485	12.485	0.0	89	67372	0.4237	
177 Benzo[a]anthracene	228	12.523	12.522	0.001	85	106544	0.4421	
178 Chrysene	228	12.571	12.576	-0.005	78	99002	0.4480	
180 Di-n-octyl phthalate	149	13.420	13.425	-0.005	89	79031	0.3906	
182 Benzo[b]fluoranthene	252	14.077	14.077	0.0	80	83398	0.3999	
183 Benzo[k]fluoranthene	252	14.114	14.120	-0.006	81	97055	0.4525	
184 Benzo[a]pyrene	252	14.595	14.595	0.0	55	83098	0.4221	
188 Indeno[1,2,3-cd]pyrene	276	16.390	16.401	-0.011	84	93370	0.4317	
189 Dibenz(a,h)anthracene	278	16.422	16.427	-0.005	18	76682	0.4320	
190 Benzo[g,h,i]perylene	276	16.871	16.881	-0.010	80	82030	0.4516	
S 191 Methyl Phenols,Total	100				0		0.8676	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

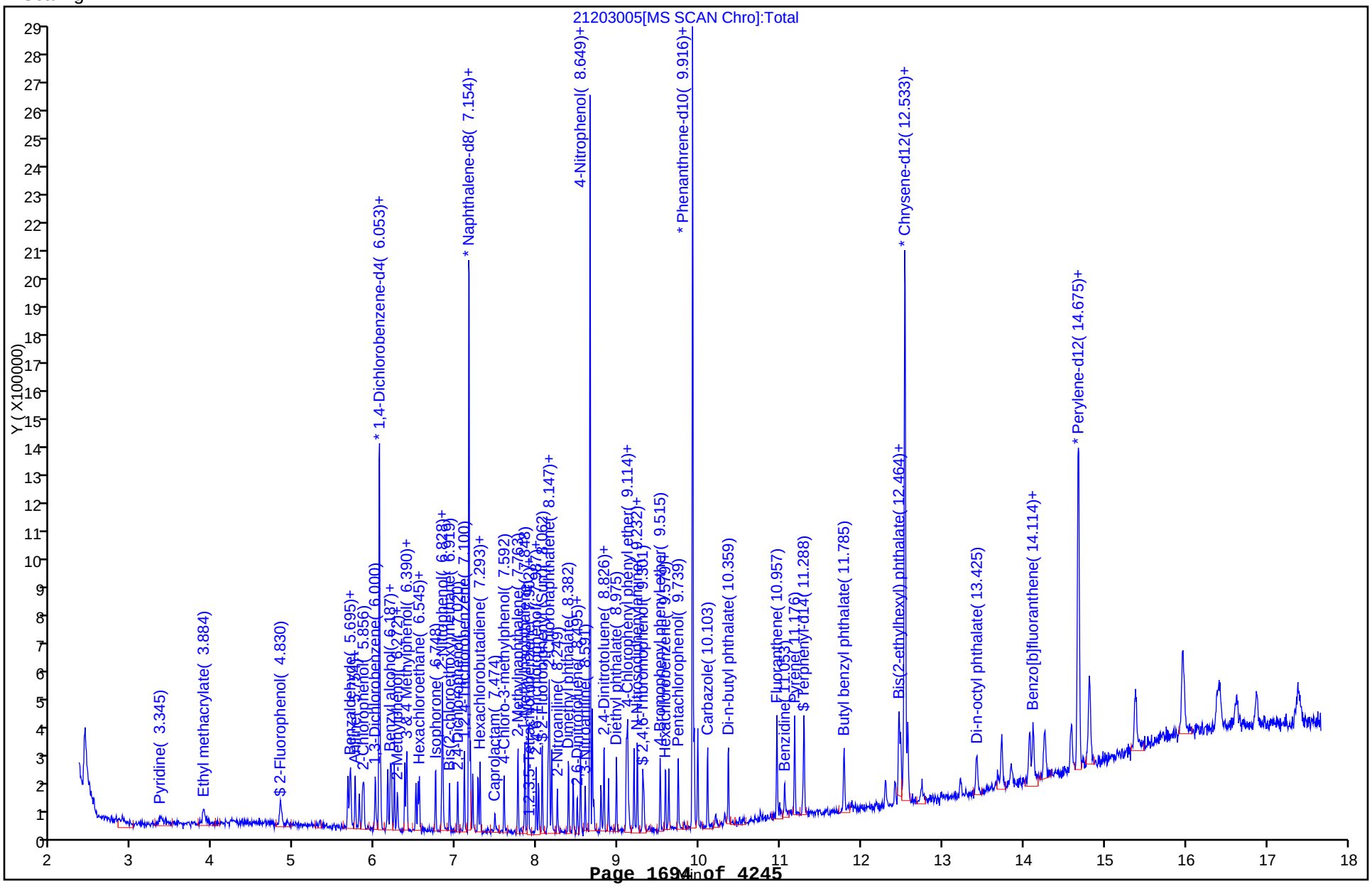
Report Date: 04-Dec-2012 08:01:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D

Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 04-Dec-2012 08:01:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

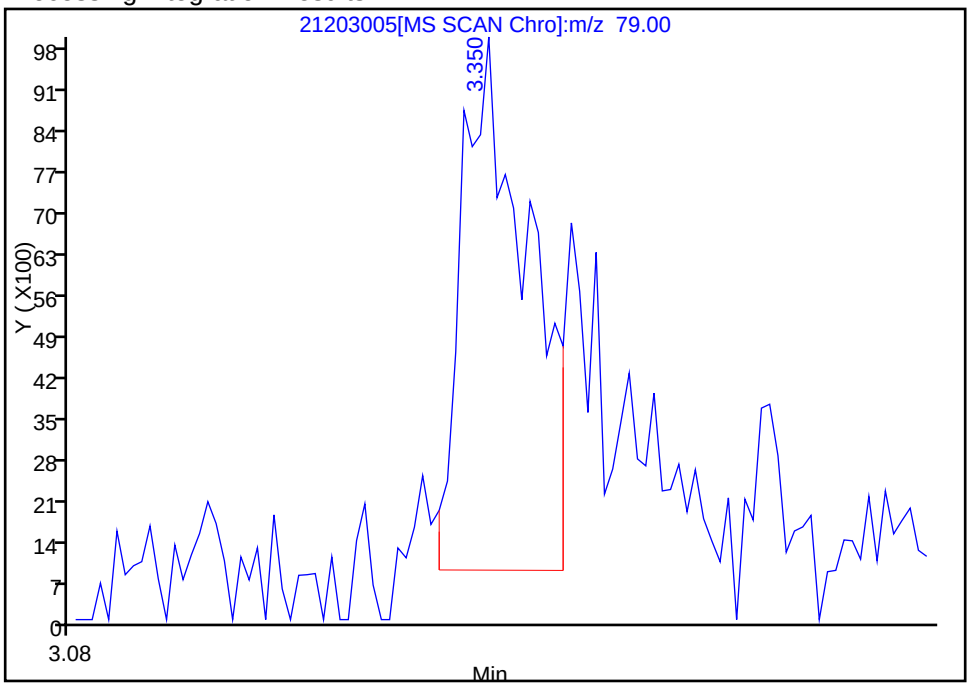
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.32

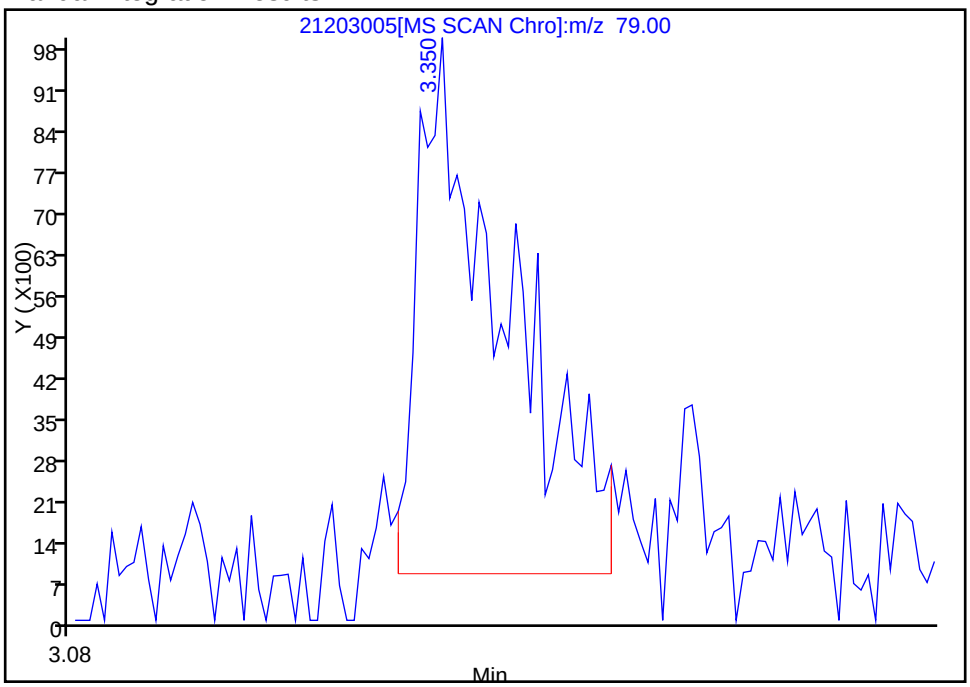
Processing Integration Results

RT: 3.35
Response: 27296
Amount: 0.353662



Manual Integration Results

RT: 3.35
Response: 40196
Amount: 0.463342



Reviewer: ulmanm, 03-Dec-2012 13:30:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 04-Dec-2012 08:01:22 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

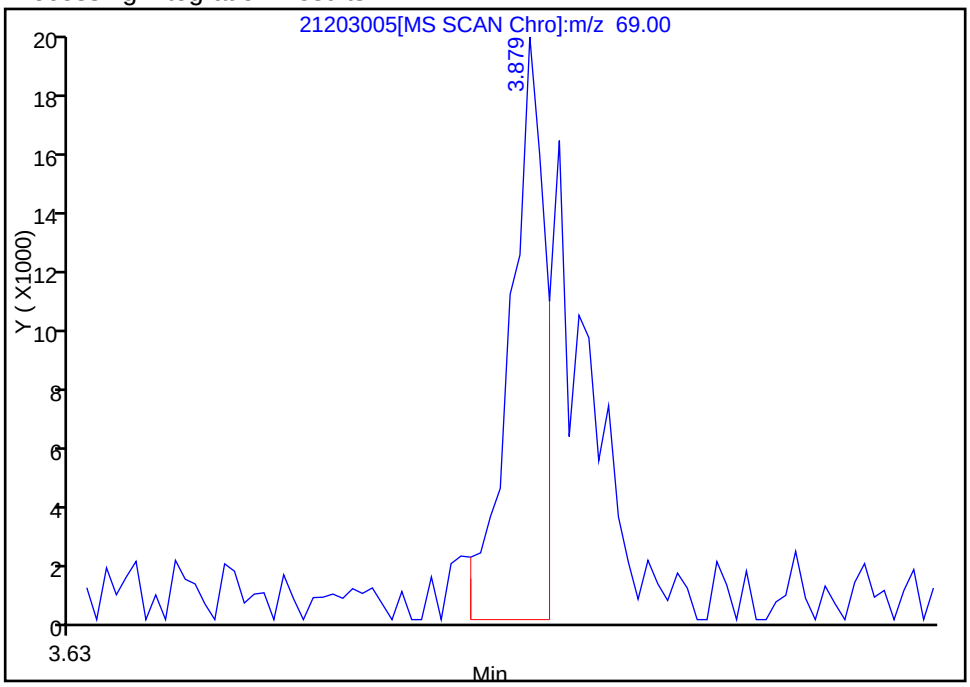
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

28 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 3.88

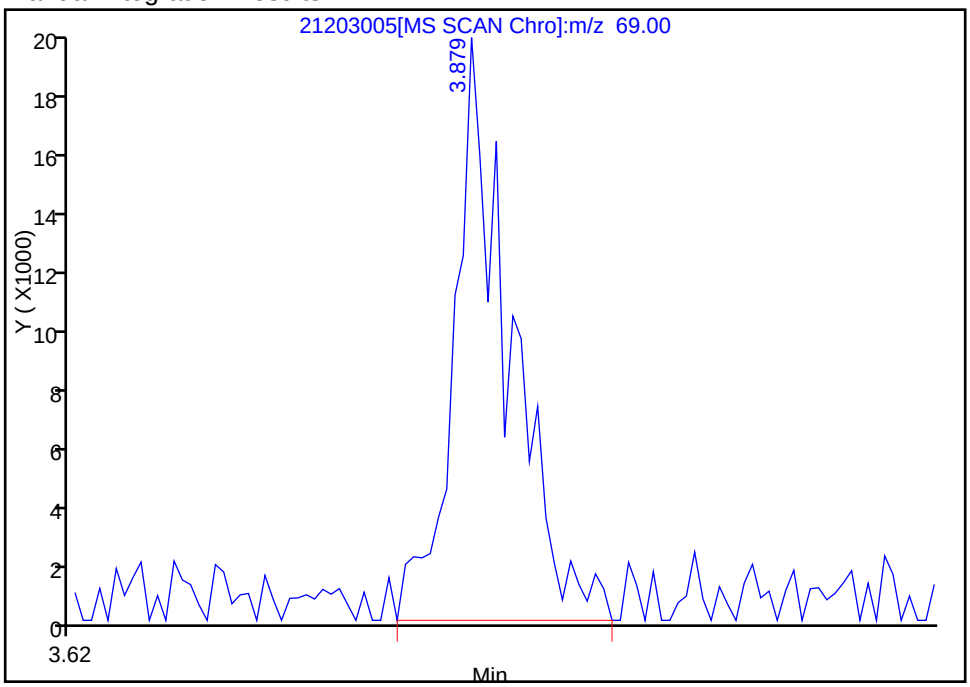
Processing Integration Results

RT: 3.88
Response: 25504
Amount: 0.344922



Manual Integration Results

RT: 3.88
Response: 47787
Amount: 0.567921



Reviewer: ulmanm, 03-Dec-2012 13:30:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

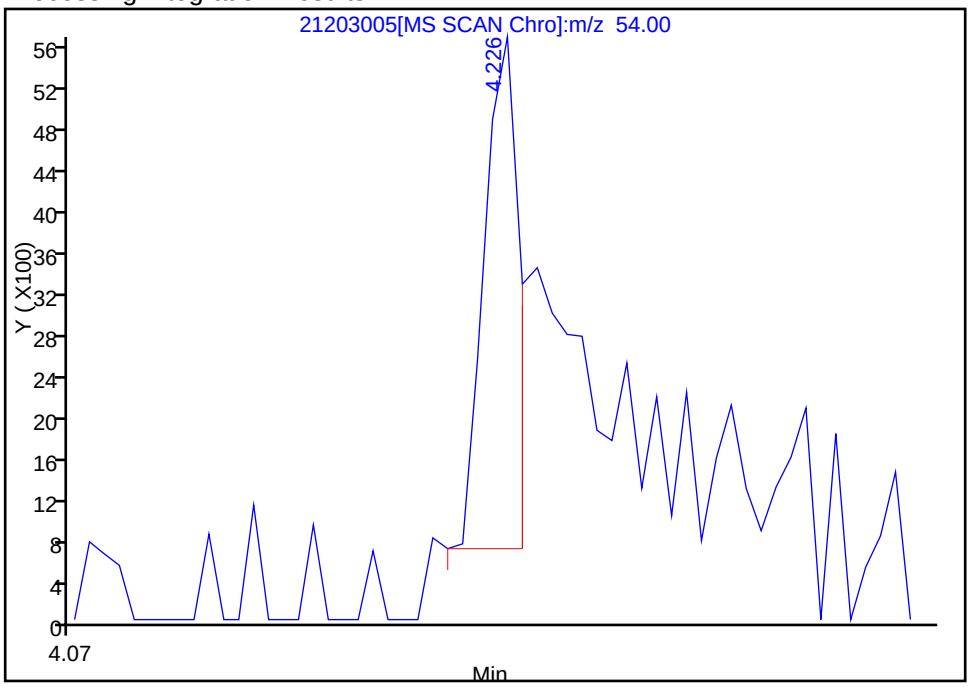
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

29 3-Chloropropionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.22

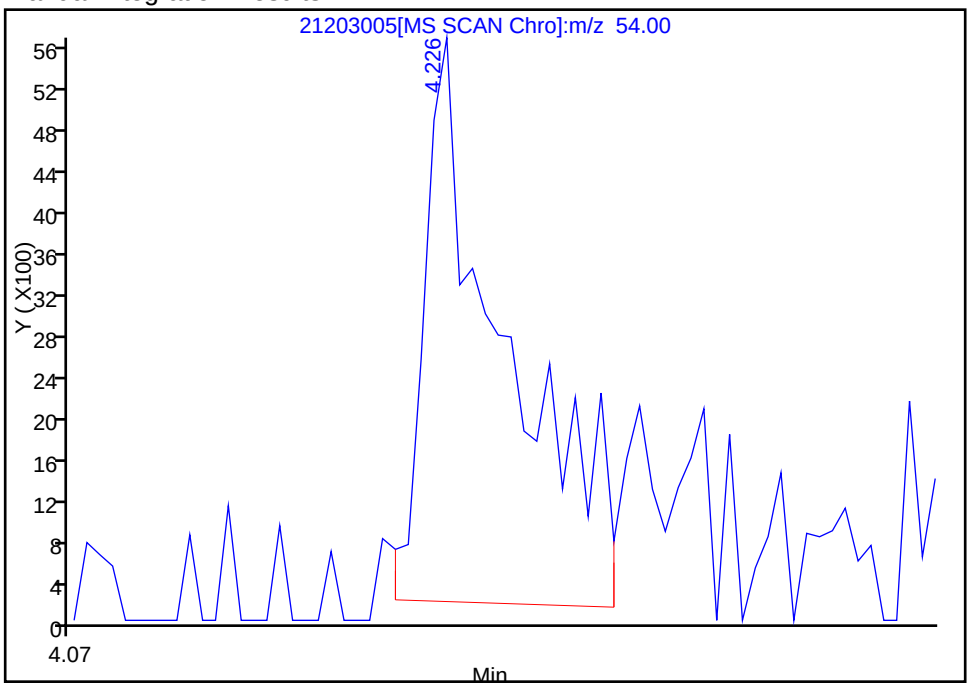
Processing Integration Results

RT: 4.23
Response: 4334
Amount: 0.180017



Manual Integration Results

RT: 4.23
Response: 12811
Amount: 0.416639



Reviewer: ulmanm, 03-Dec-2012 13:30:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

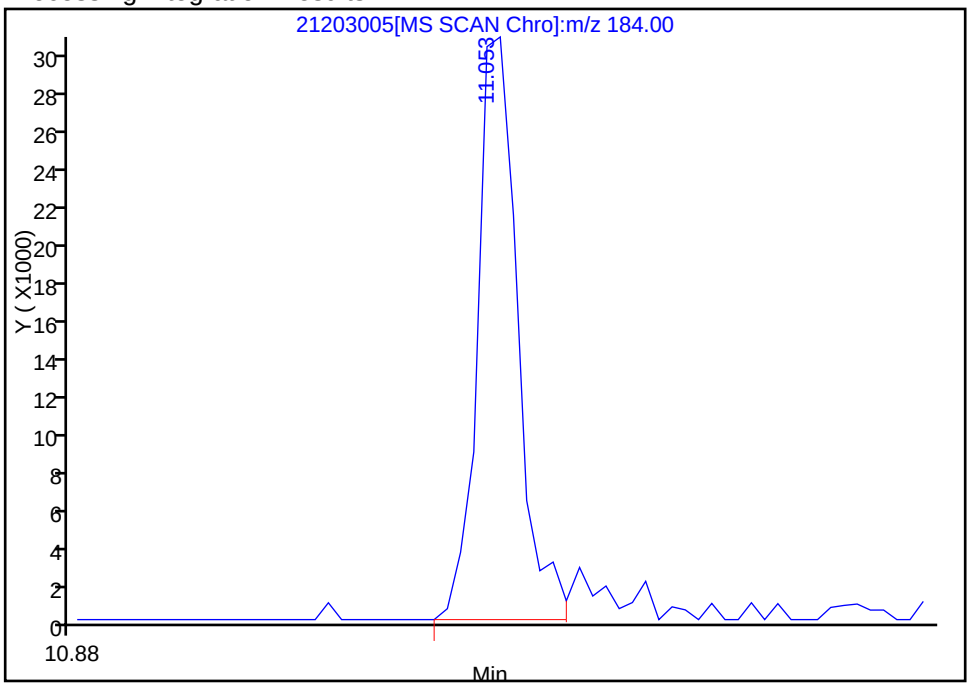
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203005.D		
Injection Date:	03-Dec-2012 12:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	5
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 11.05

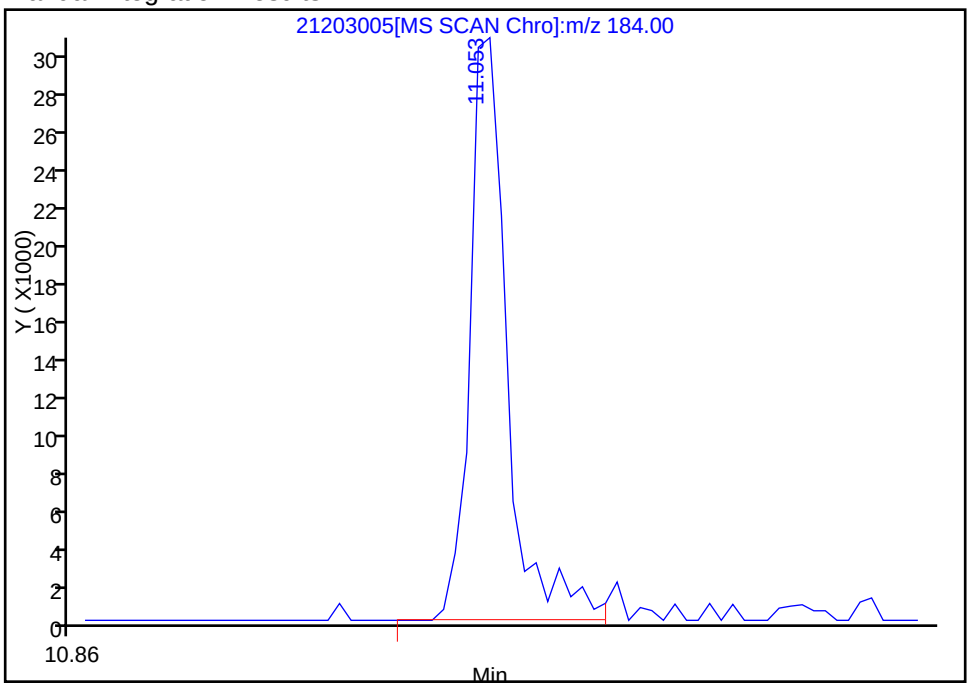
Processing Integration Results

RT: 11.05
Response: 34605
Amount: 0.370791



Manual Integration Results

RT: 11.05
Response: 36712
Amount: 0.793822



Reviewer: ulmanm, 03-Dec-2012 13:30:48
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Lims ID:	std1 tcl	Client ID:	
Inject. Date:	03-Dec-2012 13:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0015467-006		
Misc. Info.:	STD1 TCL =STD1 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	67070	Lims Sample ID:	6
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:23	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 14:05:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.053	-0.003	85	173443	4.00	
* 2 Naphthalene-d8	136	7.156	7.159	-0.003	97	739246	4.00	
* 3 Acenaphthene-d10	164	8.652	8.649	0.003	69	445835	4.00	
* 4 Phenanthrene-d10	188	9.918	9.915	0.003	77	796052	4.00	
* 5 Chrysene-d12	240	12.535	12.538	-0.003	75	770961	4.00	
* 6 Perylene-d12	264	14.672	14.681	-0.009	78	626739	4.00	
$ 9 Nitrobenzene-d5	82	6.525	6.528	-0.003	69	11443	0.1011	
$ 10 2-Fluorobiphenyl (Surr)	172	8.059	8.062	-0.003	65	16320	0.1102	
$ 12 Terphenyl-d14	244	11.291	11.294	-0.003	43	15154	0.0959	
41 Benzaldehyde	77	5.660	5.663	-0.003	72	9926	0.2199	
75 Naphthalene	128	7.177	7.175	0.002	37	21523	0.1060	
87 2-Methylnaphthalene	142	7.765	7.762	0.003	70	12424	0.0976	
88 1-Methylnaphthalene	142	7.845	7.848	-0.003	66	11067	0.0899	
98 1,1'-Biphenyl	154	8.149	8.152	-0.003	77	14581	0.0905	
100 2-Chloronaphthalene	162	8.182	8.179	0.003	61	11060	0.0900	
109 Acenaphthylene	152	8.534	8.537	-0.003	76	17578	0.0896	
112 Acenaphthene	153	8.678	8.681	-0.003	60	13551	0.1090	
116 Dibenzofuran	168	8.823	8.826	-0.003	73	15805	0.0881	
126 Fluorene	166	9.111	9.114	-0.003	72	15072	0.0992	
141 Hexachlorobenzene	284	9.581	9.584	-0.003	31	4286	0.1058	
148 Phenanthrene	178	9.934	9.937	-0.003	10	26003	0.1093	
149 Anthracene	178	9.982	9.979	0.003	65	22416	0.0941	
159 Fluoranthene	202	10.959	10.957	0.002	50	25424	0.0937	
161 Pyrene	202	11.178	11.176	0.002	86	22462	0.0842	
177 Benzo[a]anthracene	228	12.525	12.522	0.003	31	22947	0.0956	
178 Chrysene	228	12.573	12.576	-0.003	50	21697	0.0986	
182 Benzo[b]fluoranthene	252	14.074	14.077	-0.003	79	21113	0.0972	M
183 Benzo[k]fluoranthene	252	14.117	14.120	-0.003	51	18336	0.0821	
184 Benzo[a]pyrene	252	14.592	14.595	-0.003	51	19232	0.0938	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
188 Indeno[1,2,3-cd]pyrene	276	16.387	16.401	-0.014	62	19959	0.0886	M
189 Dibenz(a,h)anthracene	278	16.435	16.427	0.008	0	14445	0.0781	M
190 Benzo[g,h,i]perylene	276	16.873	16.881	-0.008	0	18782	0.0993	M

QC Flag Legend

Review Flags
M - Manually Integrated

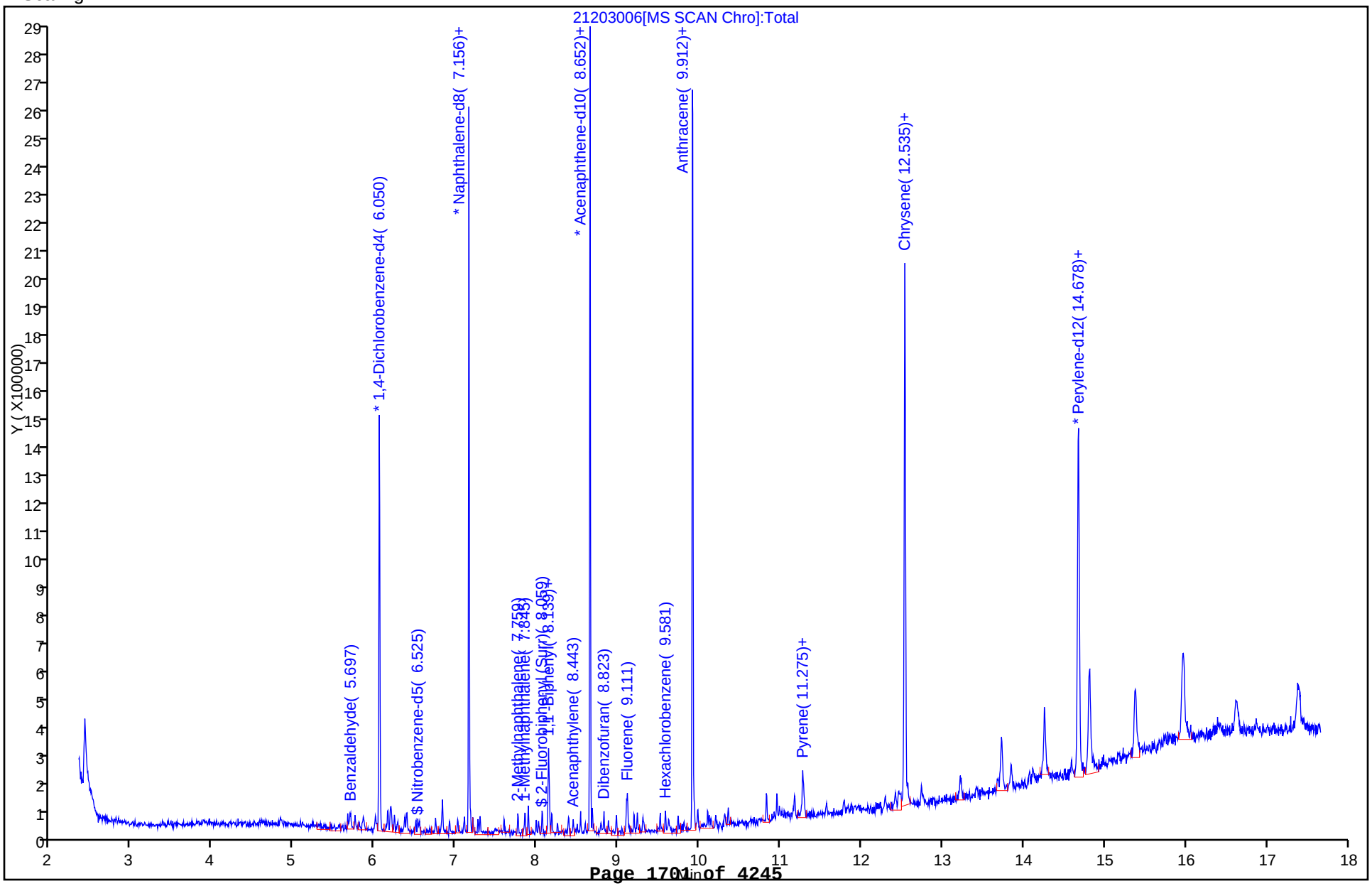
Report Date: 04-Dec-2012 08:01:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D

Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 04-Dec-2012 08:01:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

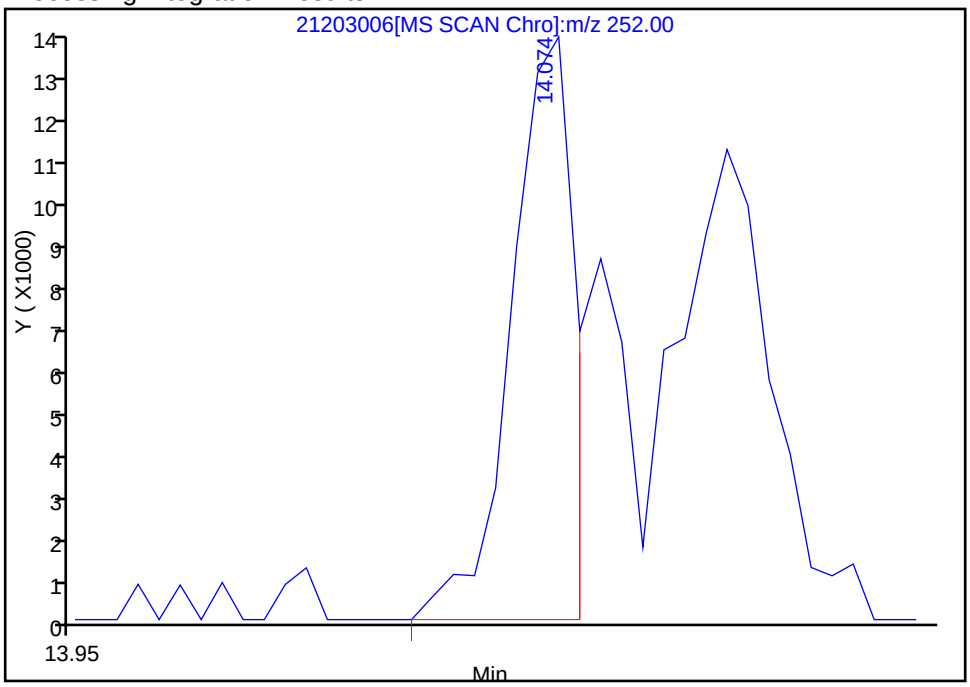
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

182 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.08

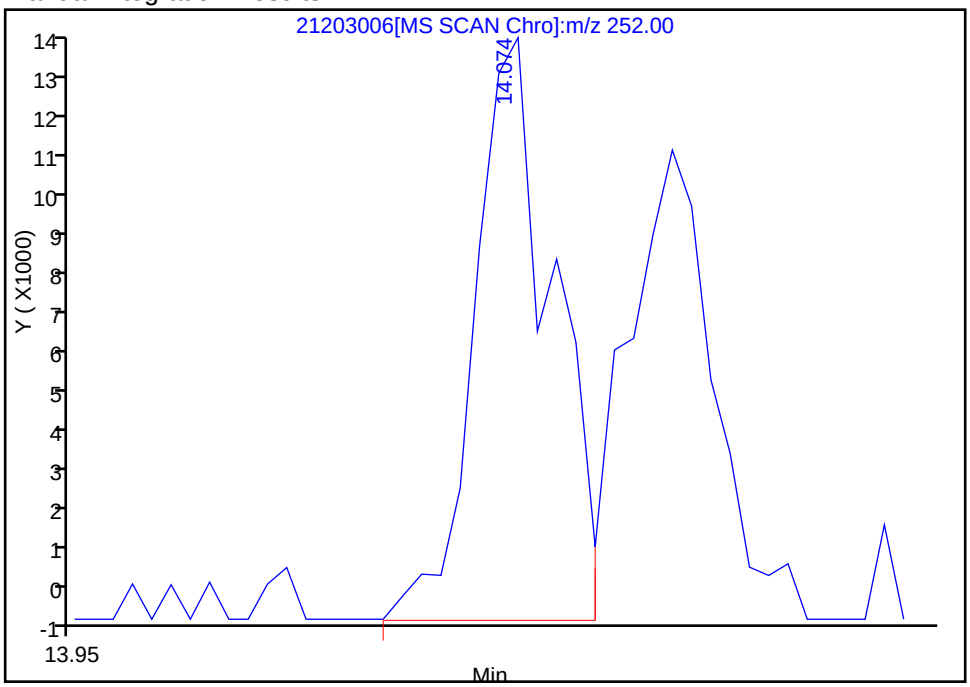
Processing Integration Results

RT: 14.07
Response: 15577
Amount: 0.081529



Manual Integration Results

RT: 14.07
Response: 21113
Amount: 0.097181



Reviewer: ulmanm, 03-Dec-2012 14:05:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

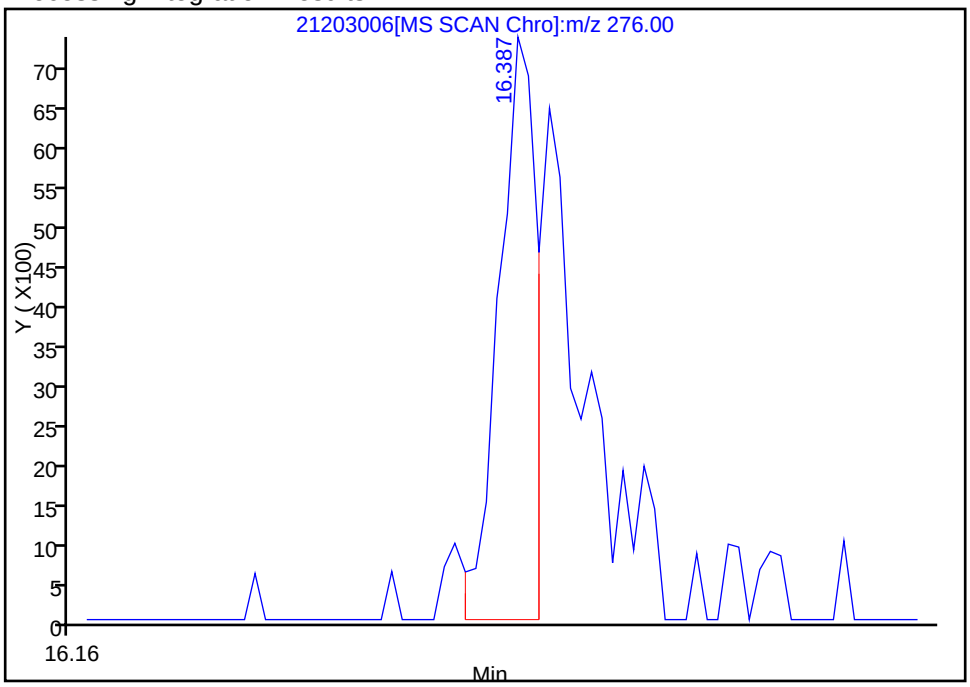
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.40

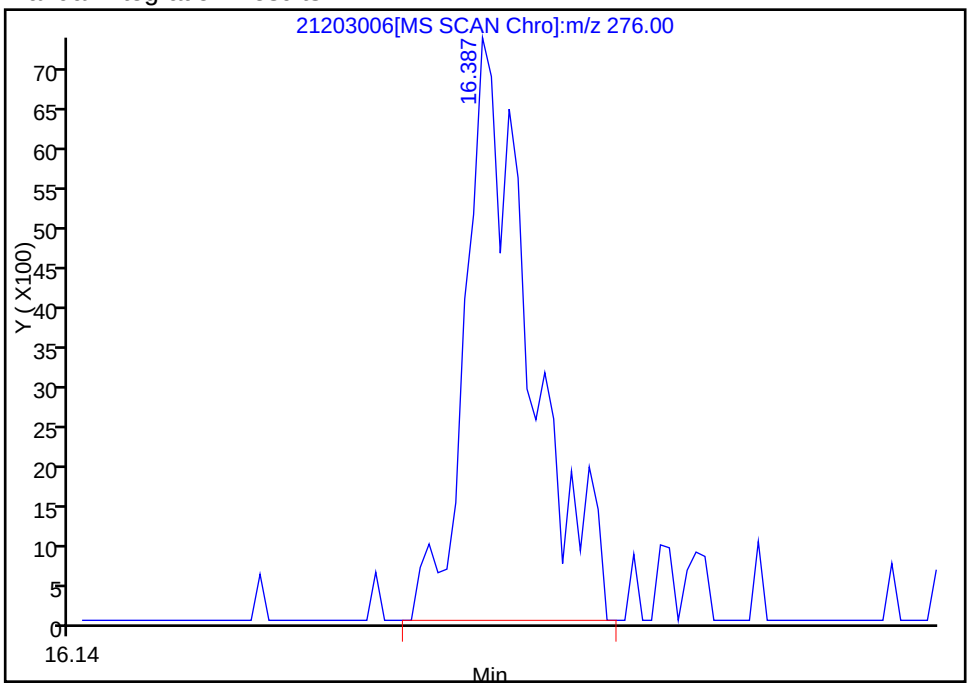
Processing Integration Results

RT: 16.39
Response: 9846
Amount: 0.103675



Manual Integration Results

RT: 16.39
Response: 19959
Amount: 0.088592



Reviewer: ulmanm, 03-Dec-2012 14:05:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

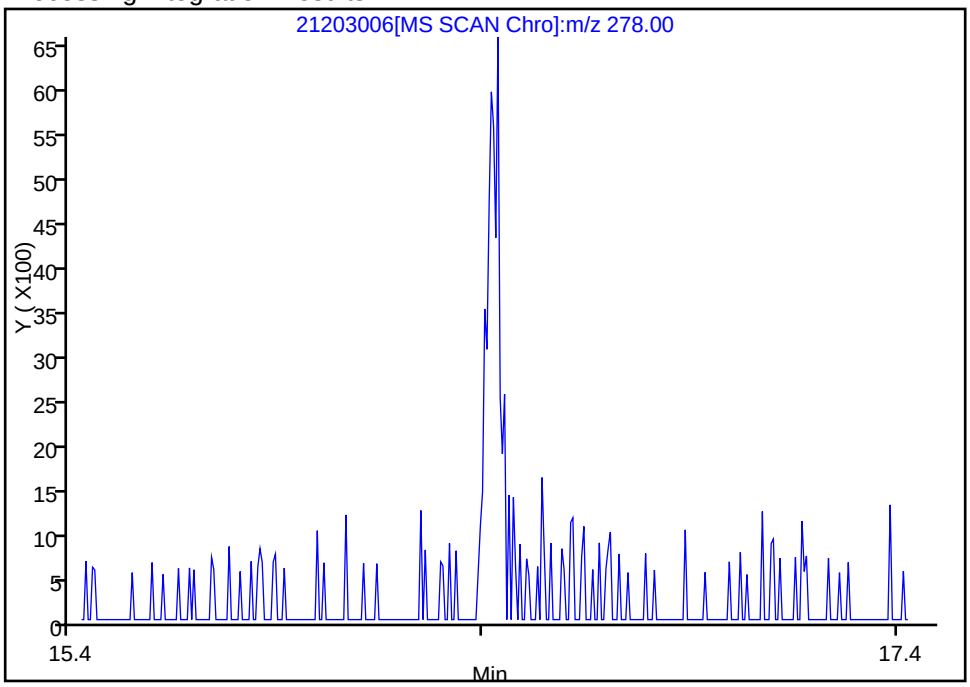
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.43

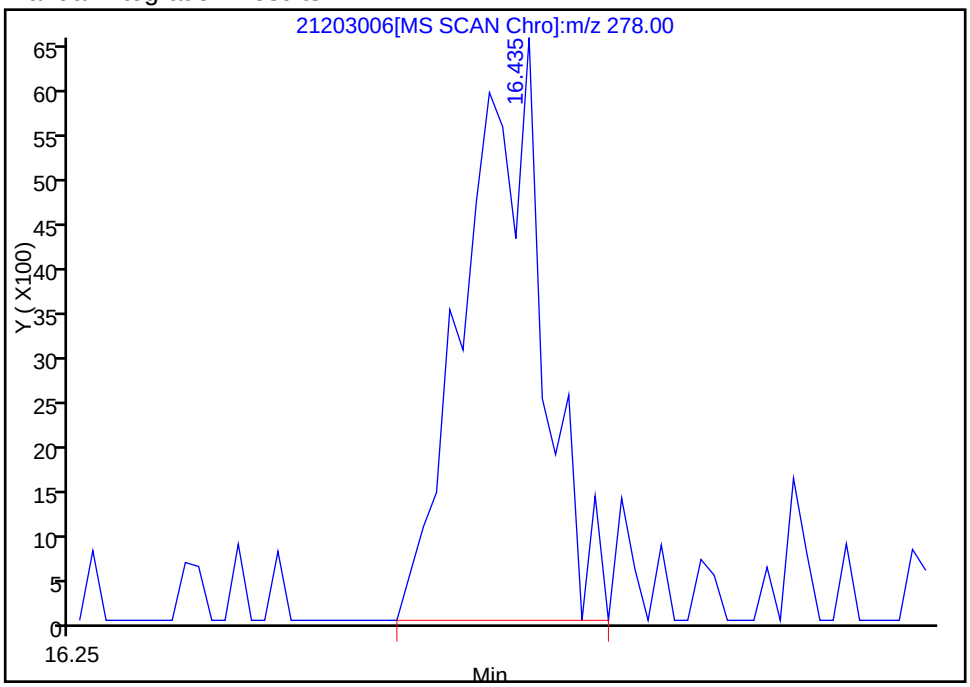
Processing Integration Results

Not Detected
Expected RT: 16.43



Manual Integration Results

RT: 16.44
Response: 14445
Amount: 0.078126



Reviewer: ulmanm, 03-Dec-2012 14:05:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 04-Dec-2012 08:01:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

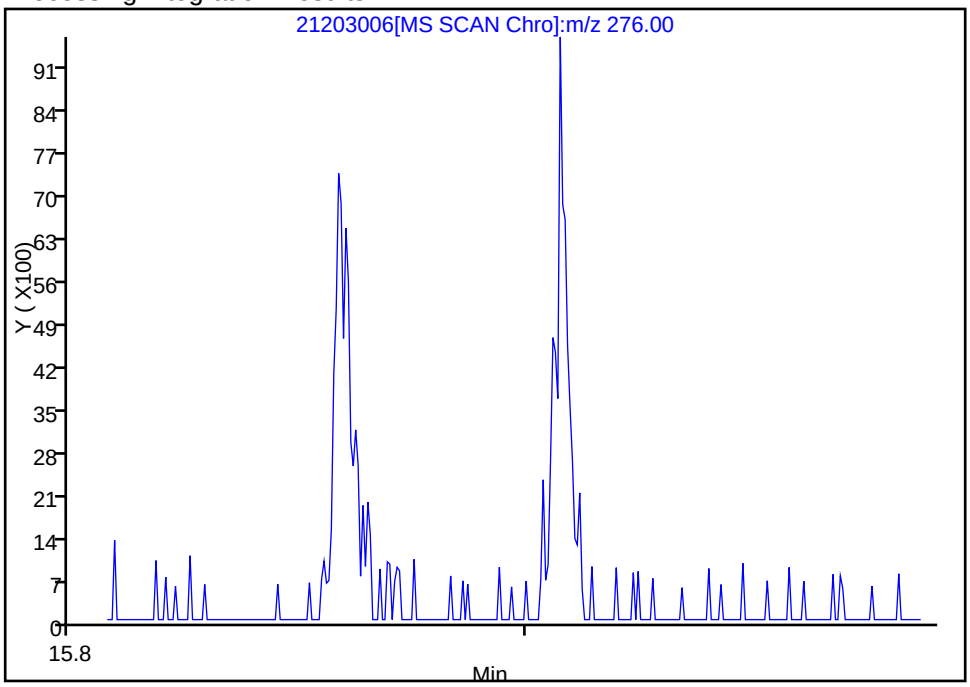
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203006.D		
Injection Date:	03-Dec-2012 13:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	6
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.88

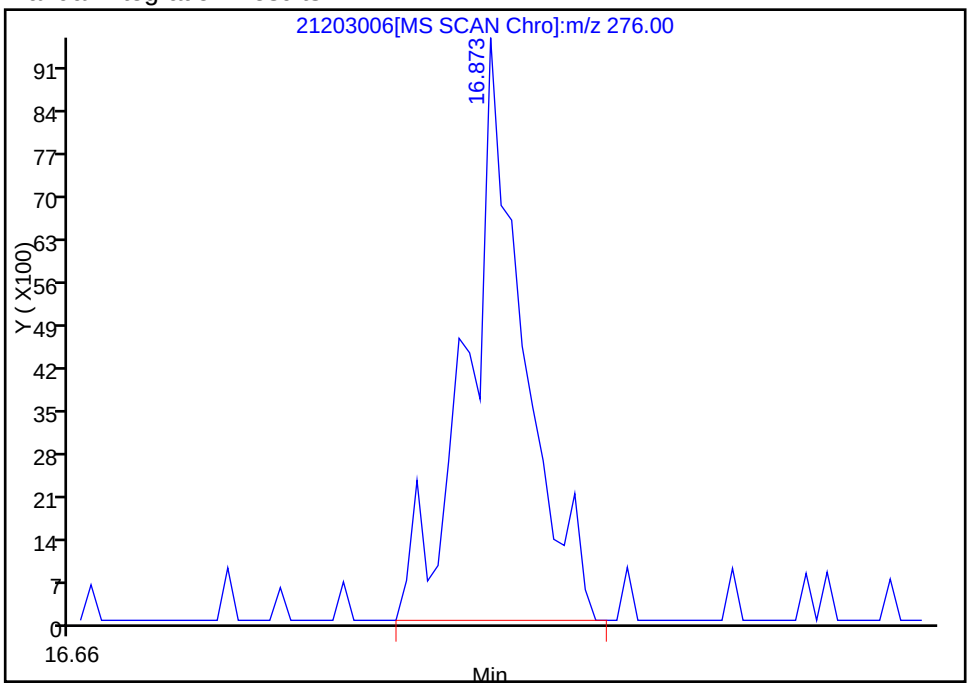
Processing Integration Results

Not Detected
Expected RT: 16.88



Manual Integration Results

RT: 16.87
Response: 18782
Amount: 0.099262



Reviewer: ulmanm, 03-Dec-2012 14:05:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203007.D		
Lims ID:	std9 tcl	Client ID:	
Inject. Date:	03-Dec-2012 13:39:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	240-0015467-007		
Misc. Info.:	7TD9 TCL =7TD9 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	67070	Lims Sample ID:	7
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:25	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 14:28:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.053	6.053	0.0	88	180007	4.00	
* 2 Naphthalene-d8	136	7.159	7.159	0.0	99	758239	4.00	
* 3 Acenaphthene-d10	164	8.655	8.649	0.006	67	479475	4.00	
* 4 Phenanthrene-d10	188	9.915	9.915	0.0	75	845700	4.00	
* 5 Chrysene-d12	240	12.544	12.538	0.006	72	867822	4.00	
* 6 Perylene-d12	264	14.680	14.681	-0.001	88	682052	4.00	
$ 7 2-Fluorophenol	112	4.830	4.830	0.0	94	1820074	25.7	
$ 8 Phenol-d5	99	5.690	5.684	0.006	0	2850089	27.9	
$ 9 Nitrobenzene-d5	82	6.534	6.528	0.006	79	3203482	27.6	
$ 10 2-Fluorobiphenyl (Surr)	172	8.062	8.062	0.0	98	4483556	28.2	
$ 11 2,4,6-Tribromophenol	330	9.322	9.317	0.005	80	517056	27.8	
$ 12 Terphenyl-d14	244	11.294	11.294	0.0	96	4830900	27.2	
25 1,4-Dioxane	88	2.805	2.805	0.0	78	814861	23.3	
26 N-Nitrosodimethylamine	74	3.270	3.275	-0.005	78	1319174	28.7	
27 Pyridine	79	3.323	3.318	0.005	79	2481993	26.5	
28 Ethyl methacrylate	69	3.879	3.879	0.0	77	2284815	25.1	
29 3-Chloropropionitrile	54	4.221	4.215	0.006	82	932926	28.1	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.663	5.663	0.0	80	1383979	24.6	
43 Phenol	94	5.700	5.700	0.0	90	3175311	27.4	
44 Aniline	93	5.754	5.754	0.0	83	4030025	27.8	
69 Bis(2-chloroethyl)ether	93	5.807	5.802	0.005	90	2412317	27.0	
46 2-Chlorophenol	128	5.861	5.861	0.0	89	1718090	26.1	
47 1,3-Dichlorobenzene	146	6.005	6.005	0.0	81	1851413	26.2	
48 1,4-Dichlorobenzene	146	6.069	6.069	0.0	79	1830542	25.6	
49 Benzyl alcohol	108	6.160	6.154	0.006	78	1457061	26.9	
50 1,2-Dichlorobenzene	146	6.203	6.203	0.0	77	1785368	26.0	
51 2-Methylphenol	108	6.240	6.240	0.0	93	2123570	27.5	
53 2,2'-oxybis[1-chloropropane]	45	6.277	6.272	0.005	95	2411441	26.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.368	6.363	0.005	92	2317991	28.2	
57 N-Nitrosodi-n-propylamine	70	6.389	6.384	0.005	66	2176245	26.8	
58 Acetophenone	105	6.395	6.395	0.0	83	3320829	27.8	
61 Hexachloroethane	117	6.502	6.502	0.0	91	849335	25.4	
62 Nitrobenzene	77	6.550	6.544	0.006	68	3400714	27.8	
64 Isophorone	82	6.747	6.747	0.0	92	6515388	29.2	
66 2-Nitrophenol	139	6.822	6.822	0.0	84	904635	27.2	
65 2,4-Dimethylphenol	107	6.833	6.828	0.005	96	2490665	26.6	
67 1,3,5-Trichlorobenzene	180	6.833	6.833	0.0	72	1779271	26.0	
71 Benzoic acid	122	6.918	6.865	0.053	74	2343332	49.4	
70 Bis(2-chloroethoxy)methane	93	6.918	6.918	0.0	94	3160983	27.7	
73 2,4-Dichlorophenol	162	7.020	7.020	0.0	90	1440479	26.8	
74 1,2,4-Trichlorobenzene	180	7.100	7.100	0.0	80	1726814	26.0	
75 Naphthalene	128	7.175	7.175	0.0	81	6046456	29.0	
76 4-Chloroaniline	127	7.207	7.202	0.005	79	2273909	27.6	
79 Hexachlorobutadiene	225	7.271	7.271	0.0	87	914699	25.2	
80 1,2,3-Trichlorobenzene	180	7.298	7.292	0.006	80	1587870	0	
84 Caprolactam	113	7.506	7.479	0.027	82	526136	24.0	
86 4-Chloro-3-methylphenol	107	7.597	7.592	0.005	79	2120588	26.9	
87 2-Methylnaphthalene	142	7.762	7.762	0.0	87	3756335	28.8	
88 1-Methylnaphthalene	142	7.848	7.848	0.0	80	3548102	28.1	
90 1,2,3,5-Tetrachlorobenzene	216	7.891	7.891	0.0	84	1753570	26.2	
89 Hexachlorocyclopentadiene	237	7.891	7.891	0.0	66	1091455	28.3	
92 2,4,6-Trichlorophenol	196	7.987	7.987	0.0	86	1121634	27.0	
93 2,4,5-Trichlorophenol	196	8.019	8.019	0.0	88	1187181	26.0	
97 2,4-Toluene diamine	121	8.136	8.131	0.005	96	868145	23.4	
99 1,2,3,4 -Tetrachlorobenzene	216	8.147	8.147	0.0	80	1698082	0	
98 1,1'-Biphenyl	154	8.152	8.152	0.0	92	5070224	29.3	
100 2-Chloronaphthalene	162	8.179	8.179	0.0	90	3677090	27.8	
102 2-Nitroaniline	65	8.249	8.249	0.0	71	1675117	27.2	
105 Dimethyl phthalate	163	8.393	8.388	0.005	95	4334729	27.8	
107 2,6-Dinitrotoluene	165	8.446	8.446	0.0	74	886451	27.4	
108 1,2-Dinitrobenzene	168	8.500	8.494	0.006	80	432595	27.2	
109 Acenaphthylene	152	8.537	8.537	0.0	90	5999467	28.5	
110 3-Nitroaniline	138	8.596	8.591	0.006	80	938131	26.9	
111 2,4-Dinitrophenol	184	8.681	8.676	0.005	67	1280687	49.7	
112 Acenaphthene	153	8.681	8.681	0.0	84	3730862	27.9	
113 4-Nitrophenol	109	8.708	8.697	0.011	82	718684	28.0	
114 2,4-Dinitrotoluene	165	8.793	8.788	0.005	81	1212832	27.9	
116 Dibenzofuran	168	8.826	8.826	0.0	86	5507295	28.5	
118 2,3,5,6-Tetrachlorophenol	232	8.879	8.879	0.0	81	1006180	26.5	
121 Diethyl phthalate	149	8.980	8.980	0.0	94	4367958	28.3	
123 4-Chlorophenyl phenyl ether	204	9.098	9.098	0.0	87	2230197	26.9	
125 4-Nitroaniline	138	9.119	9.109	0.010	51	1017942	27.7	
126 Fluorene	166	9.119	9.114	0.005	61	4641978	28.4	
128 4,6-Dinitro-2-methylphenol	198	9.135	9.130	0.005	76	827960	24.7	
131 N-Nitrosodiphenylamine	169	9.194	9.194	0.0	94	3276797	28.0	
133 Azobenzene	77	9.232	9.237	-0.005	95	7321874	25.7	
132 1,2-Diphenylhydrazine	77	9.232	9.237	-0.005	99	7323233	25.7	
139 4-Bromophenyl phenyl ether	248	9.520	9.520	0.0	65	1108836	26.0	
141 Hexachlorobenzene	284	9.584	9.584	0.0	78	1106388	25.7	
142 Atrazine	200	9.627	9.622	0.005	81	897962	24.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.744	9.739	0.005	81	1735964	49.8	
148 Phenanthrene	178	9.937	9.937	0.0	81	7024206	27.8	
149 Anthracene	178	9.985	9.979	0.006	83	7118724	28.1	
151 Carbazole	167	10.102	10.102	0.0	79	6412920	28.3	
154 Di-n-butyl phthalate	149	10.359	10.359	0.0	100	7669176	27.5	
159 Fluoranthene	202	10.957	10.957	0.0	77	7871392	27.3	
160 Benzidine	184	11.053	11.053	0.0	86	4495620	24.4	
161 Pyrene	202	11.176	11.176	0.0	73	8173377	27.2	
168 Butyl benzyl phthalate	149	11.785	11.785	0.0	83	3335278	27.8	
172 3,3'-Dimethoxybenzidine	244	12.421	12.415	0.006	79	1908849	24.4	
174 4,4'-Methylene bis(2-chloroanili	231	12.469	12.464	0.005	70	1315934	27.2	
175 3,3'-Dichlorobenzidine	252	12.469	12.464	0.005	66	2668942	24.7	
173 Bis(2-ethylhexyl) phthalate	149	12.485	12.485	0.0	95	4903668	27.5	
177 Benzo[a]anthracene	228	12.528	12.522	0.006	78	7594858	28.1	
178 Chrysene	228	12.581	12.576	0.005	83	6936430	28.0	
180 Di-n-octyl phthalate	149	13.425	13.425	0.0	98	8736814	24.8	
182 Benzo[b]fluoranthene	252	14.088	14.077	0.011	82	6902291	29.2	
183 Benzo[k]fluoranthene	252	14.130	14.120	0.010	81	6949795	28.6	
184 Benzo[a]pyrene	252	14.600	14.595	0.005	75	6529426	29.3	
188 Indeno[1,2,3-cd]pyrene	276	16.417	16.401	0.016	75	6892480	28.1	
189 Dibenz(a,h)anthracene	278	16.443	16.427	0.016	71	5894670	29.3	
190 Benzo[g,h,i]perylene	276	16.903	16.881	0.022	79	5719307	27.8	
S 191 Methyl Phenols,Total	100				0		55.7	

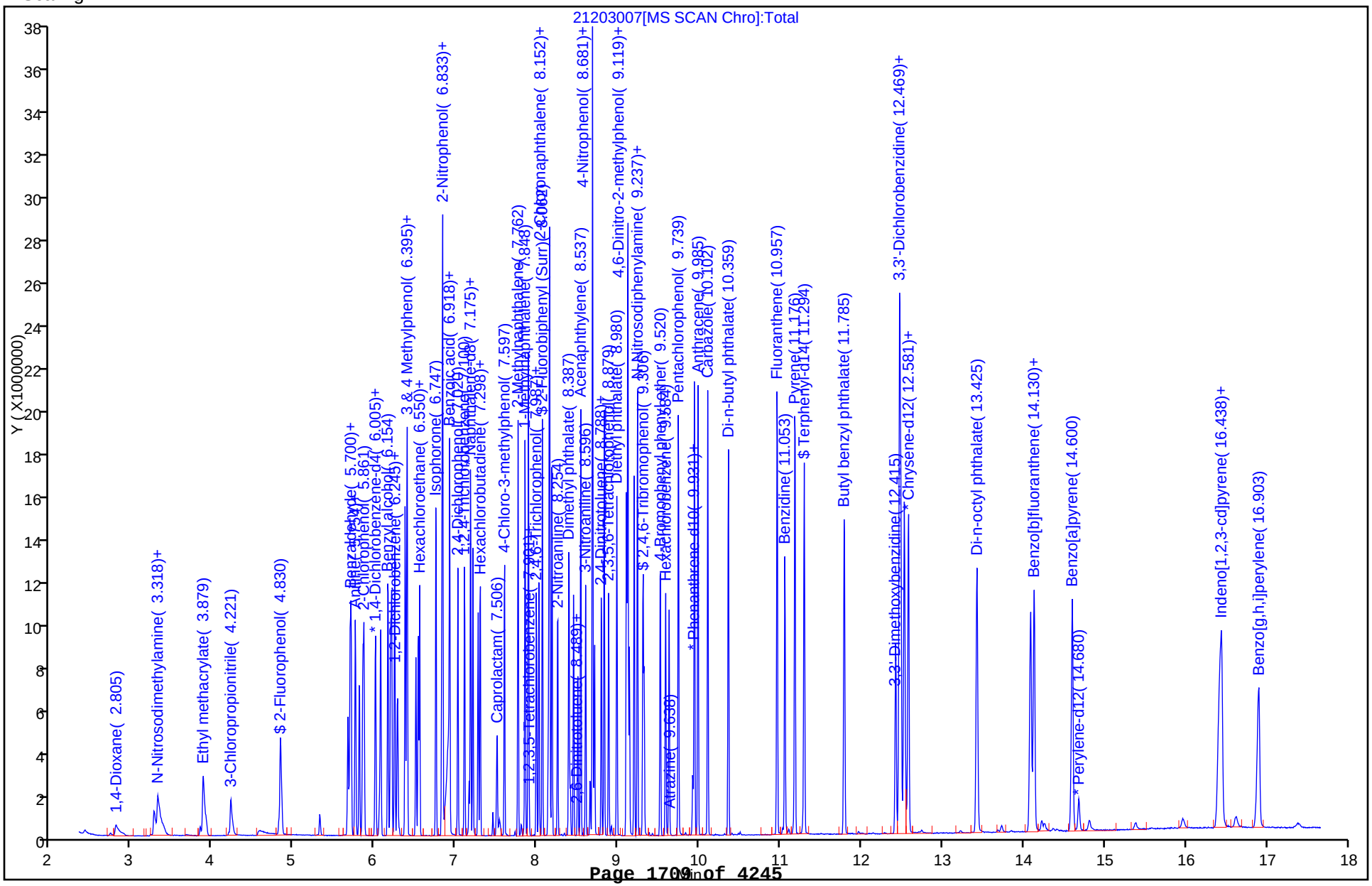
Report Date: 04-Dec-2012 08:01:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203007.D

Injection Date:	03-Dec-2012 13:39:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	7
Operator ID:	001574	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\A4HP9\20121203-15467.b\21203008.D		
Lims ID:	std8 tcl	Client ID:	
Inject. Date:	03-Dec-2012 14:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	240-0015467-008		
Misc. Info.:	STD8 TCL =STD8 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	67070	Lims Sample ID:	8
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:27	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 14:44:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.053	-0.003	87	207175	4.00	
* 2 Naphthalene-d8	136	7.156	7.159	-0.003	98	835412	4.00	
* 3 Acenaphthene-d10	164	8.652	8.649	0.003	63	523293	4.00	
* 4 Phenanthrene-d10	188	9.918	9.915	0.003	77	921971	4.00	
* 5 Chrysene-d12	240	12.541	12.538	0.003	77	904798	4.00	
* 6 Perylene-d12	264	14.678	14.681	-0.003	73	743370	4.00	
$ 7 2-Fluorophenol	112	4.832	4.830	0.002	93	1626131	19.9	
$ 8 Phenol-d5	99	5.687	5.684	0.003	0	2467806	21.0	
$ 9 Nitrobenzene-d5	82	6.531	6.528	0.003	81	2776873	21.7	
$ 10 2-Fluorobiphenyl (Surr)	172	8.064	8.062	0.002	94	3868871	22.3	
$ 11 2,4,6-Tribromophenol	330	9.320	9.317	0.003	80	451821	22.3	
$ 12 Terphenyl-d14	244	11.291	11.294	-0.003	95	4262459	23.0	
25 1,4-Dioxane	88	2.802	2.805	-0.003	76	773230	19.2	
26 N-Nitrosodimethylamine	74	3.272	3.275	-0.003	76	1174085	22.2	
27 Pyridine	79	3.320	3.318	0.002	93	2201171	20.4	
28 Ethyl methacrylate	69	3.876	3.879	-0.003	78	2039665	19.5	
29 3-Chloropropionitrile	54	4.218	4.215	0.003	83	830175	21.7	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.666	5.663	0.003	82	1470328	19.5	
43 Phenol	94	5.703	5.700	0.003	89	2812510	21.1	
44 Aniline	93	5.756	5.754	0.002	84	3559561	21.4	
69 Bis(2-chloroethyl)ether	93	5.805	5.802	0.003	92	2120375	20.6	
46 2-Chlorophenol	128	5.863	5.861	0.002	90	1532373	20.3	
47 1,3-Dichlorobenzene	146	6.002	6.005	-0.003	80	1606884	19.8	
48 1,4-Dichlorobenzene	146	6.066	6.069	-0.003	78	1645098	20.0	
49 Benzyl alcohol	108	6.157	6.154	0.003	83	1288428	20.7	
50 1,2-Dichlorobenzene	146	6.200	6.203	-0.003	76	1550612	19.6	
51 2-Methylphenol	108	6.237	6.240	-0.003	94	1870907	21.0	
53 2,2'-oxybis[1-chloropropane]	45	6.275	6.272	0.003	95	2157927	20.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.371	6.363	0.008	91	2035411	21.5	
57 N-Nitrosodi-n-propylamine	70	6.387	6.384	0.003	68	1986355	21.3	
58 Acetophenone	105	6.398	6.395	0.003	79	2935142	21.4	
61 Hexachloroethane	117	6.504	6.502	0.002	91	738370	19.2	
62 Nitrobenzene	77	6.547	6.544	0.003	70	3019500	22.4	
64 Isophorone	82	6.750	6.747	0.003	92	5823443	23.7	
66 2-Nitrophenol	139	6.820	6.822	-0.002	85	830238	22.6	
65 2,4-Dimethylphenol	107	6.830	6.828	0.002	96	2169180	21.0	
67 1,3,5-Trichlorobenzene	180	6.830	6.833	-0.003	69	1527622	20.3	
71 Benzoic acid	122	6.910	6.865	0.045	74	2085887	41.2	
70 Bis(2-chloroethoxy)methane	93	6.921	6.918	0.003	96	2822638	22.5	
73 2,4-Dichlorophenol	162	7.023	7.020	0.003	92	1262491	21.3	
74 1,2,4-Trichlorobenzene	180	7.103	7.100	0.003	77	1533437	20.9	
75 Naphthalene	128	7.177	7.175	0.002	81	5210836	22.7	
76 4-Chloroaniline	127	7.204	7.202	0.002	80	1992191	22.0	
79 Hexachlorobutadiene	225	7.268	7.271	-0.003	84	812875	20.4	
80 1,2,3-Trichlorobenzene	180	7.295	7.292	0.003	81	1440974	0	
84 Caprolactam	113	7.503	7.479	0.024	84	477229	19.8	
86 4-Chloro-3-methylphenol	107	7.594	7.592	0.002	78	1913655	22.0	
87 2-Methylnaphthalene	142	7.765	7.762	0.003	87	3241037	22.5	
88 1-Methylnaphthalene	142	7.851	7.848	0.003	81	3120059	22.4	
90 1,2,3,5-Tetrachlorobenzene	216	7.888	7.891	-0.003	80	1542651	21.1	
89 Hexachlorocyclopentadiene	237	7.893	7.891	0.002	67	939731	22.3	
92 2,4,6-Trichlorophenol	196	7.989	7.987	0.002	82	979326	21.6	
93 2,4,5-Trichlorophenol	196	8.022	8.019	0.003	88	1051056	21.1	
97 2,4-Toluene diamine	121	8.134	8.131	0.003	95	772583	18.9	
99 1,2,3,4 -Tetrachlorobenzene	216	8.144	8.147	-0.003	86	1482687	0	
98 1,1'-Biphenyl	154	8.150	8.152	-0.002	93	4314416	22.8	
100 2-Chloronaphthalene	162	8.182	8.179	0.003	92	3208551	22.2	
102 2-Nitroaniline	65	8.251	8.249	0.002	72	1495778	22.3	
105 Dimethyl phthalate	163	8.390	8.388	0.002	93	3836513	22.6	
107 2,6-Dinitrotoluene	165	8.449	8.446	0.003	77	802029	22.7	
108 1,2-Dinitrobenzene	168	8.502	8.494	0.008	75	385567	22.2	
109 Acenaphthylene	152	8.534	8.537	-0.003	86	5487335	23.8	
110 3-Nitroaniline	138	8.598	8.591	0.008	82	859948	22.6	
111 2,4-Dinitrophenol	184	8.684	8.676	0.008	70	1107986	40.6	
112 Acenaphthene	153	8.679	8.681	-0.002	85	3242918	22.2	
113 4-Nitrophenol	109	8.705	8.697	0.008	81	623747	22.3	
114 2,4-Dinitrotoluene	165	8.791	8.788	0.003	78	1083426	22.8	
116 Dibenzofuran	168	8.828	8.826	0.002	87	4828262	22.9	
118 2,3,5,6-Tetrachlorophenol	232	8.882	8.879	0.003	83	898499	21.7	
121 Diethyl phthalate	149	8.983	8.980	0.003	95	3814881	22.7	
123 4-Chlorophenyl phenyl ether	204	9.101	9.098	0.003	88	1950379	21.6	
125 4-Nitroaniline	138	9.117	9.109	0.008	50	898608	22.4	
126 Fluorene	166	9.117	9.114	0.003	70	4053228	22.7	
128 4,6-Dinitro-2-methylphenol	198	9.138	9.130	0.008	72	747522	20.7	
131 N-Nitrosodiphenylamine	169	9.197	9.194	0.003	94	2816710	22.1	
133 Azobenzene	77	9.234	9.237	-0.003	92	7088823	22.9	
132 1,2-Diphenylhydrazine	77	9.234	9.237	-0.003	100	7089323	22.9	
139 4-Bromophenyl phenyl ether	248	9.517	9.520	-0.003	68	998199	21.5	
141 Hexachlorobenzene	284	9.587	9.584	0.003	80	991457	21.1	
142 Atrazine	200	9.630	9.622	0.008	82	826393	20.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.742	9.739	0.003	75	1507520	40.5	
148 Phenanthrene	178	9.939	9.937	0.002	81	6067655	22.0	
149 Anthracene	178	9.982	9.979	0.003	82	6269234	22.7	
151 Carbazole	167	10.105	10.102	0.003	61	5791299	23.4	
154 Di-n-butyl phthalate	149	10.356	10.359	-0.003	100	7282586	24.0	
159 Fluoranthene	202	10.960	10.957	0.003	77	7170742	22.8	
160 Benzidine	184	11.056	11.053	0.003	81	4027253	21.4	
161 Pyrene	202	11.179	11.176	0.003	73	7426228	23.7	
168 Butyl benzyl phthalate	149	11.788	11.785	0.003	85	2892302	23.1	
172 3,3'-Dimethoxybenzidine	244	12.423	12.415	0.008	80	1715296	21.4	
174 4,4'-Methylene bis(2-chloroanili	231	12.466	12.464	0.002	72	1156747	22.9	
175 3,3'-Dichlorobenzidine	252	12.466	12.464	0.002	72	2300801	20.8	
173 Bis(2-ethylhexyl) phthalate	149	12.482	12.485	-0.003	94	4250837	22.9	
177 Benzo[a]anthracene	228	12.525	12.522	0.003	78	6511414	23.1	
178 Chrysene	228	12.578	12.576	0.002	83	5939114	23.0	
180 Di-n-octyl phthalate	149	13.422	13.425	-0.003	99	7518674	20.6	
182 Benzo[b]fluoranthene	252	14.085	14.077	0.008	80	5921468	23.0	
183 Benzo[k]fluoranthene	252	14.128	14.120	0.008	84	6117211	23.1	
184 Benzo[a]pyrene	252	14.603	14.595	0.008	74	5590497	23.0	
188 Indeno[1,2,3-cd]pyrene	276	16.414	16.401	0.013	77	6105267	22.8	
189 Dibenz(a,h)anthracene	278	16.441	16.427	0.014	63	5127826	23.4	
190 Benzo[g,h,i]perylene	276	16.900	16.881	0.019	79	5054031	22.5	
S 191 Methyl Phenols,Total	100				0		42.5	

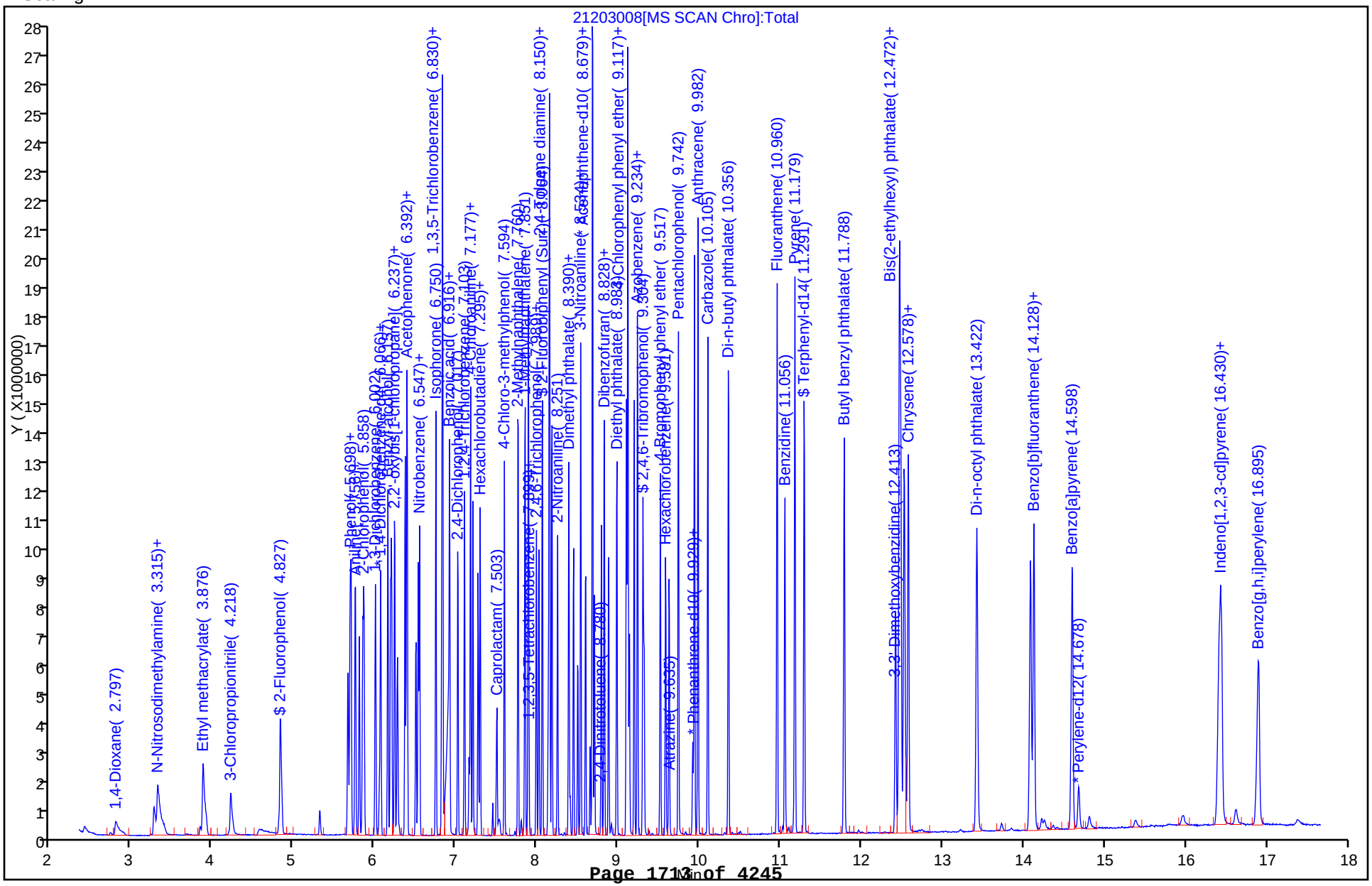
Report Date: 04-Dec-2012 08:01:27 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203008.D

Injection Date:	03-Dec-2012 14:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	8
Operator ID:	001574	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\A4HP9\20121203-15467.b\21203009.D		
Lims ID:	std7 tcl	Client ID:	
Inject. Date:	03-Dec-2012 14:36:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	240-0015467-009		
Misc. Info.:	STD7 TCL =STD7 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	67070	Lims Sample ID:	9
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:28	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 15:31:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.052	6.053	-0.001	86	196540	4.00	
* 2 Naphthalene-d8	136	7.157	7.159	-0.002	98	845951	4.00	
* 3 Acenaphthene-d10	164	8.653	8.649	0.004	66	522597	4.00	
* 4 Phenanthrene-d10	188	9.919	9.915	0.004	77	913285	4.00	
* 5 Chrysene-d12	240	12.542	12.538	0.004	75	940204	4.00	
* 6 Perylene-d12	264	14.685	14.681	0.004	85	763816	4.00	
$ 7 2-Fluorophenol	112	4.828	4.830	-0.002	92	1197803	15.5	
$ 8 Phenol-d5	99	5.688	5.684	0.004	0	1779153	15.9	
$ 9 Nitrobenzene-d5	82	6.527	6.528	-0.001	79	1975313	15.3	
$ 10 2-Fluorobiphenyl (Surr)	172	8.060	8.062	-0.002	95	2610009	15.0	
$ 11 2,4,6-Tribromophenol	330	9.321	9.317	0.004	72	323865	16.0	
$ 12 Terphenyl-d14	244	11.292	11.294	-0.002	96	2873627	14.9	
25 1,4-Dioxane	88	2.793	2.805	-0.012	78	543998	14.3	
26 N-Nitrosodimethylamine	74	3.268	3.275	-0.007	77	816856	16.3	
27 Pyridine	79	3.316	3.318	-0.002	79	1620749	15.8	
28 Ethyl methacrylate	69	3.872	3.879	-0.007	78	1500922	15.1	
29 3-Chloropropionitrile	54	4.214	4.215	-0.001	82	579758	16.0	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.662	5.663	-0.001	81	1269321	16.3	
43 Phenol	94	5.699	5.700	-0.001	89	2003163	15.8	
44 Aniline	93	5.753	5.754	-0.002	83	2502297	15.8	
69 Bis(2-chloroethyl)ether	93	5.801	5.802	-0.001	91	1492774	15.3	
46 2-Chlorophenol	128	5.859	5.861	-0.002	88	1096266	15.3	
47 1,3-Dichlorobenzene	146	6.004	6.005	-0.001	81	1180356	15.3	
48 1,4-Dichlorobenzene	146	6.068	6.069	-0.001	78	1151768	14.8	
49 Benzyl alcohol	108	6.153	6.154	-0.001	83	916925	15.5	
50 1,2-Dichlorobenzene	146	6.201	6.203	-0.002	78	1114610	14.9	
51 2-Methylphenol	108	6.239	6.240	-0.001	94	1325720	15.7	
53 2,2'-oxybis[1-chloropropane]	45	6.271	6.272	-0.001	94	1562839	15.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.367	6.363	0.004	91	1390992	15.5	
57 N-Nitrosodi-n-propylamine	70	6.383	6.384	-0.001	64	1420567	16.1	
58 Acetophenone	105	6.394	6.395	-0.001	85	2023578	15.5	
61 Hexachloroethane	117	6.500	6.502	-0.002	90	542116	14.9	
62 Nitrobenzene	77	6.548	6.544	0.004	70	2033011	14.9	
64 Isophorone	82	6.746	6.747	-0.001	92	3869063	15.6	
66 2-Nitrophenol	139	6.821	6.822	-0.001	88	580637	15.6	
65 2,4-Dimethylphenol	107	6.832	6.828	0.004	95	1535491	14.7	
67 1,3,5-Trichlorobenzene	180	6.832	6.833	-0.001	67	1095265	14.4	
71 Benzoic acid	122	6.901	6.865	0.036	77	1441946	29.6	
70 Bis(2-chloroethoxy)methane	93	6.917	6.918	-0.001	88	1938498	15.2	
73 2,4-Dichlorophenol	162	7.019	7.020	-0.001	88	872558	14.6	
74 1,2,4-Trichlorobenzene	180	7.104	7.100	0.004	80	1071050	14.4	
75 Naphthalene	128	7.179	7.175	0.004	80	3546318	15.3	
76 4-Chloroaniline	127	7.206	7.202	0.004	79	1398635	15.2	
79 Hexachlorobutadiene	225	7.270	7.271	-0.001	85	596689	14.8	
80 1,2,3-Trichlorobenzene	180	7.296	7.292	0.004	79	999010	0	
84 Caprolactam	113	7.494	7.479	0.015	79	356527	14.6	
86 4-Chloro-3-methylphenol	107	7.596	7.592	0.004	79	1322578	15.0	
87 2-Methylnaphthalene	142	7.761	7.762	-0.001	82	2197459	15.1	
88 1-Methylnaphthalene	142	7.847	7.848	-0.001	80	2113183	15.0	
90 1,2,3,5-Tetrachlorobenzene	216	7.889	7.891	-0.002	81	1097095	15.0	
89 Hexachlorocyclopentadiene	237	7.889	7.891	-0.002	63	660004	15.7	
92 2,4,6-Trichlorophenol	196	7.991	7.987	0.004	85	700417	15.5	
93 2,4,5-Trichlorophenol	196	8.018	8.019	-0.001	88	731223	14.7	
97 2,4-Toluene diamine	121	8.135	8.131	0.004	95	584842	14.1	
99 1,2,3,4 -Tetrachlorobenzene	216	8.146	8.147	-0.001	84	1044182	0	
98 1,1'-Biphenyl	154	8.151	8.152	-0.001	93	2933167	15.5	
100 2-Chloronaphthalene	162	8.178	8.179	-0.001	91	2170503	15.1	
102 2-Nitroaniline	65	8.247	8.249	-0.002	69	1059612	15.8	
105 Dimethyl phthalate	163	8.392	8.388	0.004	94	2638665	15.5	
107 2,6-Dinitrotoluene	165	8.445	8.446	-0.001	76	571148	16.2	
108 1,2-Dinitrobenzene	168	8.498	8.494	0.004	80	271922	15.7	
109 Acenaphthylene	152	8.536	8.537	-0.001	68	3717874	16.2	
110 3-Nitroaniline	138	8.595	8.591	0.005	76	605348	15.9	
111 2,4-Dinitrophenol	184	8.680	8.676	0.004	67	779421	29.9	
112 Acenaphthene	153	8.680	8.681	-0.001	84	2197679	15.1	
113 4-Nitrophenol	109	8.707	8.697	0.010	82	437400	15.7	
114 2,4-Dinitrotoluene	165	8.792	8.788	0.004	75	744156	15.7	
116 Dibenzofuran	168	8.824	8.826	-0.002	87	3312358	15.7	
118 2,3,5,6-Tetrachlorophenol	232	8.883	8.879	0.004	85	629040	15.2	
121 Diethyl phthalate	149	8.979	8.980	-0.001	95	2575128	15.3	
123 4-Chlorophenyl phenyl ether	204	9.102	9.098	0.004	89	1337478	14.8	
125 4-Nitroaniline	138	9.118	9.109	0.009	74	652966	16.3	
126 Fluorene	166	9.118	9.114	0.004	70	2719190	15.3	
128 4,6-Dinitro-2-methylphenol	198	9.134	9.130	0.004	75	513143	14.6	
131 N-Nitrosodiphenylamine	169	9.198	9.194	0.004	92	1959808	15.5	
133 Azobenzene	77	9.236	9.237	-0.001	91	5241671	17.1	
132 1,2-Diphenylhydrazine	77	9.236	9.237	-0.001	99	5242019	17.1	
139 4-Bromophenyl phenyl ether	248	9.519	9.520	-0.001	66	704915	15.3	
141 Hexachlorobenzene	284	9.583	9.584	-0.001	74	687504	14.8	
142 Atrazine	200	9.626	9.622	0.004	80	613227	15.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.743	9.739	0.004	78	1074664	29.9	
148 Phenanthrene	178	9.941	9.937	0.004	81	4266491	15.6	
149 Anthracene	178	9.983	9.979	0.004	81	4603038	16.8	
151 Carbazole	167	10.106	10.102	0.004	63	3878743	15.8	
154 Di-n-butyl phthalate	149	10.357	10.359	-0.002	100	5022953	16.7	
159 Fluoranthene	202	10.961	10.957	0.004	76	5163534	16.6	
160 Benzidine	184	11.057	11.053	0.004	86	2624642	14.2	
161 Pyrene	202	11.180	11.176	0.004	77	5266082	16.2	
168 Butyl benzyl phthalate	149	11.789	11.785	0.004	84	1998546	15.4	
172 3,3'-Dimethoxybenzidine	244	12.419	12.415	0.004	74	1115656	14.1	
174 4,4'-Methylene bis(2-chloroanili	231	12.468	12.464	0.004	63	822324	15.7	
175 3,3'-Dichlorobenzidine	252	12.468	12.464	0.004	69	1613926	14.4	
173 Bis(2-ethylhexyl) phthalate	149	12.484	12.485	-0.001	94	2892564	15.0	
177 Benzo[a]anthracene	228	12.526	12.522	0.004	84	4418081	15.1	
178 Chrysene	228	12.580	12.576	0.004	81	4053767	15.1	
180 Di-n-octyl phthalate	149	13.424	13.425	-0.001	98	4994408	14.4	
182 Benzo[b]fluoranthene	252	14.086	14.077	0.009	82	4092896	15.5	
183 Benzo[k]fluoranthene	252	14.129	14.120	0.009	83	4263040	15.7	
184 Benzo[a]pyrene	252	14.599	14.595	0.004	77	3873105	15.5	
188 Indeno[1,2,3-cd]pyrene	276	16.410	16.401	0.009	75	4197780	15.3	
189 Dibenz(a,h)anthracene	278	16.437	16.427	0.010	74	3493923	15.5	
190 Benzo[g,h,i]perylene	276	16.896	16.881	0.015	72	3434050	14.9	
S 191 Methyl Phenols,Total	100				0		31.2	

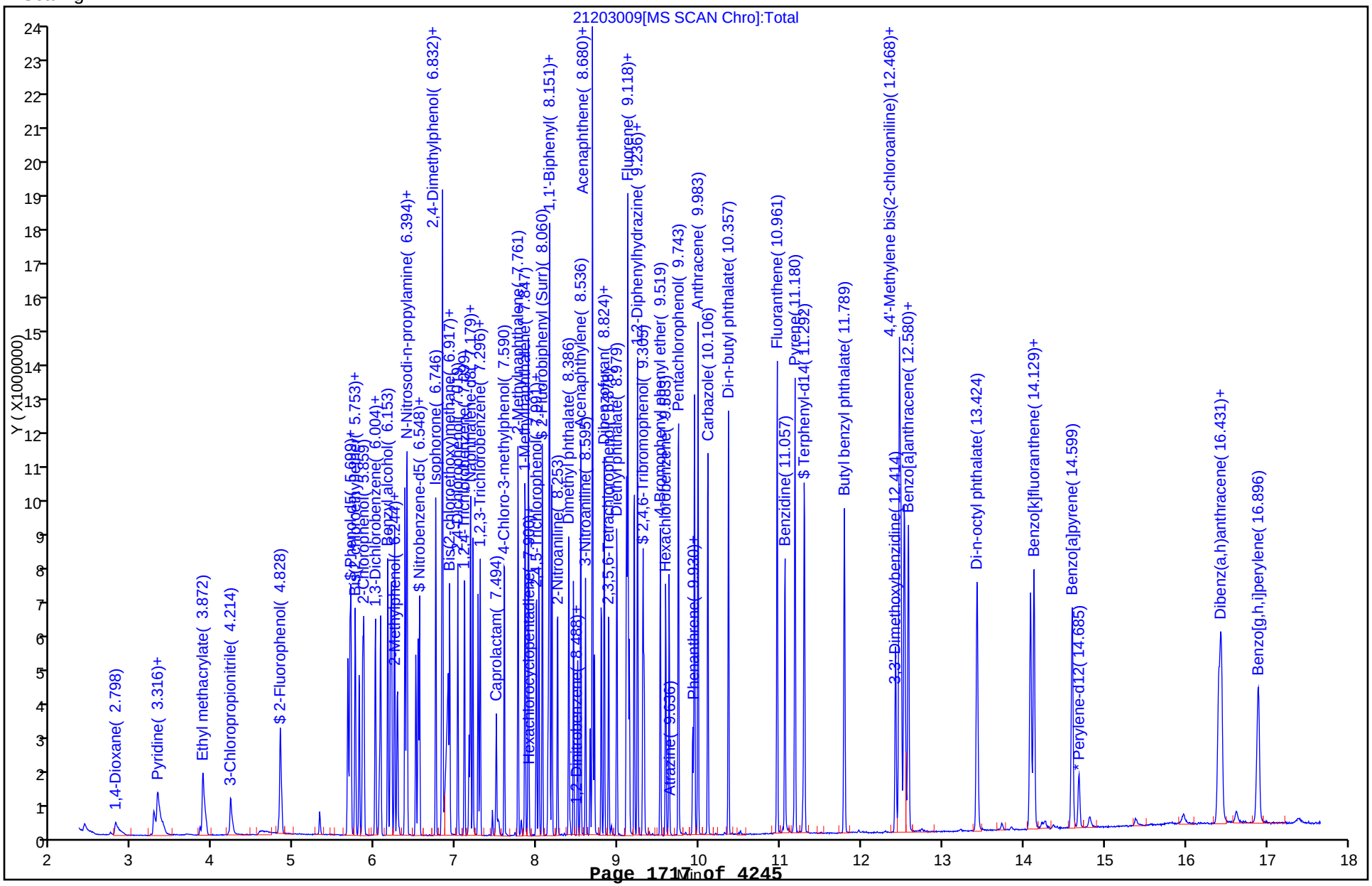
Report Date: 04-Dec-2012 08:01:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203009.D

Injection Date:	03-Dec-2012 14:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	9
Operator ID:	001574	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\A4HP9\20121203-15467.b\21203010.D		
Lims ID:	std6 tcl	Client ID:	
Inject. Date:	03-Dec-2012 15:01:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	240-0015467-010		
Misc. Info.:	STD6 TCL =STD6 TCL		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	67070	Lims Sample ID:	10
Sublist:	chrom-8270 _9*sub13		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:30	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 15:53:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.050	0.0	84	219993	4.00	
* 2 Naphthalene-d8	136	7.156	7.156	0.0	97	913768	4.00	
* 3 Acenaphthene-d10	164	8.652	8.652	0.0	61	570837	4.00	
* 4 Phenanthrene-d10	188	9.918	9.918	0.0	78	998118	4.00	
* 5 Chrysene-d12	240	12.541	12.541	0.0	75	998924	4.00	
* 6 Perylene-d12	264	14.677	14.677	0.0	76	831813	4.00	
$ 7 2-Fluorophenol	112	4.832	4.832	0.0	93	847177	9.79	
$ 8 Phenol-d5	99	5.687	5.687	0.0	0	1278603	10.2	
$ 9 Nitrobenzene-d5	82	6.531	6.531	0.0	82	1375736	9.84	
$ 10 2-Fluorobiphenyl (Surr)	172	8.059	8.059	0.0	98	1844912	9.73	
$ 11 2,4,6-Tribromophenol	330	9.319	9.319	0.0	68	230291	10.4	
$ 12 Terphenyl-d14	244	11.291	11.291	0.0	95	2036667	9.95	
25 1,4-Dioxane	88	2.807	2.807	0.0	74	399753	9.36	
26 N-Nitrosodimethylamine	74	3.272	3.272	0.0	83	607272	10.8	
27 Pyridine	79	3.320	3.320	0.0	94	1153107	10.1	
28 Ethyl methacrylate	69	3.876	3.876	0.0	83	1072582	9.66	
29 3-Chloropropionitrile	54	4.218	4.218	0.0	83	422307	10.4	
33 Malononitrile	66		4.627					
41 Benzaldehyde	77	5.665	5.665	0.0	83	965070	9.45	
43 Phenol	94	5.703	5.703	0.0	88	1431885	10.1	
44 Aniline	93	5.751	5.751	0.0	82	1794952	10.1	
69 Bis(2-chloroethyl)ether	93	5.804	5.804	0.0	93	1075083	9.84	
46 2-Chlorophenol	128	5.858	5.858	0.0	88	798948	9.95	
47 1,3-Dichlorobenzene	146	6.002	6.002	0.0	81	855886	9.91	
48 1,4-Dichlorobenzene	146	6.066	6.066	0.0	78	856970	9.82	
49 Benzyl alcohol	108	6.157	6.157	0.0	83	673487	10.2	
50 1,2-Dichlorobenzene	146	6.199	6.199	0.0	75	804726	9.59	
51 2-Methylphenol	108	6.237	6.237	0.0	94	973970	10.3	
53 2,2'-oxybis[1-chloropropane]	45	6.274	6.274	0.0	95	1110965	9.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.365	6.365	0.0	87	1015483	10.1	
57 N-Nitrosodi-n-propylamine	70	6.386	6.386	0.0	69	990057	10.0	
58 Acetophenone	105	6.392	6.392	0.0	86	1444593	9.90	
61 Hexachloroethane	117	6.504	6.504	0.0	90	396040	9.71	
62 Nitrobenzene	77	6.547	6.547	0.0	70	1497384	10.2	
64 Isophorone	82	6.744	6.744	0.0	94	2794681	10.4	
66 2-Nitrophenol	139	6.819	6.819	0.0	85	428852	10.7	
65 2,4-Dimethylphenol	107	6.830	6.830	0.0	95	1124586	9.98	
67 1,3,5-Trichlorobenzene	180	6.830	6.830	0.0	67	798595	9.70	
71 Benzoic acid	122	6.889	6.889	0.0	77	992750	20.0	
70 Bis(2-chloroethoxy)methane	93	6.915	6.915	0.0	94	1378514	10.0	
73 2,4-Dichlorophenol	162	7.017	7.017	0.0	87	641251	9.90	
74 1,2,4-Trichlorobenzene	180	7.102	7.102	0.0	78	767717	9.59	
75 Naphthalene	128	7.177	7.177	0.0	79	2482143	9.89	
76 4-Chloroaniline	127	7.204	7.204	0.0	79	1004186	10.1	
79 Hexachlorobutadiene	225	7.268	7.268	0.0	86	426339	9.76	
80 1,2,3-Trichlorobenzene	180	7.295	7.295	0.0	78	728769	0	
84 Caprolactam	113	7.487	7.487	0.0	82	267301	10.1	
86 4-Chloro-3-methylphenol	107	7.594	7.594	0.0	79	971266	10.2	
87 2-Methylnaphthalene	142	7.759	7.759	0.0	85	1568614	9.97	
88 1-Methylnaphthalene	142	7.850	7.850	0.0	79	1525035	10.0	
90 1,2,3,5-Tetrachlorobenzene	216	7.888	7.888	0.0	81	793734	9.97	
89 Hexachlorocyclopentadiene	237	7.893	7.893	0.0	73	464113	10.1	
92 2,4,6-Trichlorophenol	196	7.989	7.989	0.0	85	487834	9.87	
93 2,4,5-Trichlorophenol	196	8.016	8.016	0.0	89	549869	10.1	
97 2,4-Toluene diamine	121	8.133	8.133	0.0	97	444710	9.94	
99 1,2,3,4 -Tetrachlorobenzene	216	8.144	8.144	0.0	84	767938	0	
98 1,1'-Biphenyl	154	8.149	8.149	0.0	94	2097075	10.2	
100 2-Chloronaphthalene	162	8.181	8.181	0.0	91	1601844	10.2	
102 2-Nitroaniline	65	8.246	8.246	0.0	71	759915	10.4	
105 Dimethyl phthalate	163	8.384	8.384	0.0	92	1847769	9.96	
107 2,6-Dinitrotoluene	165	8.443	8.443	0.0	75	408875	10.6	
108 1,2-Dinitrobenzene	168	8.497	8.497	0.0	81	202332	10.7	
109 Acenaphthylene	152	8.534	8.534	0.0	86	2549553	10.2	
110 3-Nitroaniline	138	8.593	8.593	0.0	80	425539	10.3	
111 2,4-Dinitrophenol	184	8.678	8.678	0.0	65	538392	20.0	
112 Acenaphthene	153	8.678	8.678	0.0	84	1575777	9.90	
113 4-Nitrophenol	109	8.700	8.700	0.0	74	325899	10.7	
114 2,4-Dinitrotoluene	165	8.785	8.785	0.0	78	550422	10.6	
116 Dibenzofuran	168	8.822	8.822	0.0	85	2367844	10.3	
118 2,3,5,6-Tetrachlorophenol	232	8.881	8.881	0.0	85	453798	10.1	
121 Diethyl phthalate	149	8.977	8.977	0.0	94	1832980	9.99	
123 4-Chlorophenyl phenyl ether	204	9.100	9.100	0.0	88	981917	9.95	
125 4-Nitroaniline	138	9.111	9.111	0.0	80	458818	10.5	
126 Fluorene	166	9.116	9.116	0.0	67	1907218	9.81	
128 4,6-Dinitro-2-methylphenol	198	9.132	9.132	0.0	76	374569	10.0	
131 N-Nitrosodiphenylamine	169	9.191	9.191	0.0	94	1381461	10.0	
133 Azobenzene	77	9.234	9.234	0.0	92	3692336	11.0	
132 1,2-Diphenylhydrazine	77	9.234	9.234	0.0	99	3692336	11.0	
139 4-Bromophenyl phenyl ether	248	9.517	9.517	0.0	66	517373	10.3	
141 Hexachlorobenzene	284	9.581	9.581	0.0	78	503817	9.92	
142 Atrazine	200	9.624	9.624	0.0	80	463454	10.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.741	9.741	0.0	81	749230	19.7	
148 Phenanthrene	178	9.939	9.939	0.0	82	2998659	10.1	
149 Anthracene	178	9.982	9.982	0.0	81	3207585	10.7	
151 Carbazole	167	10.105	10.105	0.0	61	2771758	10.4	
154 Di-n-butyl phthalate	149	10.356	10.356	0.0	100	3532454	10.7	
159 Fluoranthene	202	10.959	10.959	0.0	76	3605052	10.6	
160 Benzidine	184	11.050	11.050	0.0	86	1843303	9.84	
161 Pyrene	202	11.178	11.178	0.0	73	3639569	10.5	
168 Butyl benzyl phthalate	149	11.787	11.787	0.0	85	1468183	10.6	
172 3,3'-Dimethoxybenzidine	244	12.418	12.418	0.0	85	786421	9.73	
174 4,4'-Methylene bis(2-chloroanili	231	12.466	12.466	0.0	67	594586	10.7	
175 3,3'-Dichlorobenzidine	252	12.466	12.466	0.0	70	1151707	9.95	
173 Bis(2-ethylhexyl) phthalate	149	12.482	12.482	0.0	94	2092198	10.2	
177 Benzo[a]anthracene	228	12.525	12.525	0.0	80	3116592	10.0	
178 Chrysene	228	12.573	12.573	0.0	82	2855800	10.0	
180 Di-n-octyl phthalate	149	13.422	13.422	0.0	98	3512292	9.91	
182 Benzo[b]fluoranthene	252	14.079	14.079	0.0	83	2885491	10.0	
183 Benzo[k]fluoranthene	252	14.122	14.122	0.0	82	3025983	10.2	
184 Benzo[a]pyrene	252	14.597	14.597	0.0	77	2722148	10.0	
188 Indeno[1,2,3-cd]pyrene	276	16.403	16.403	0.0	78	3017526	10.1	
189 Dibenz(a,h)anthracene	278	16.430	16.430	0.0	60	2535331	10.3	
190 Benzo[g,h,i]perylene	276	16.889	16.889	0.0	80	2461930	9.80	
S 191 Methyl Phenols,Total	100				0		20.4	

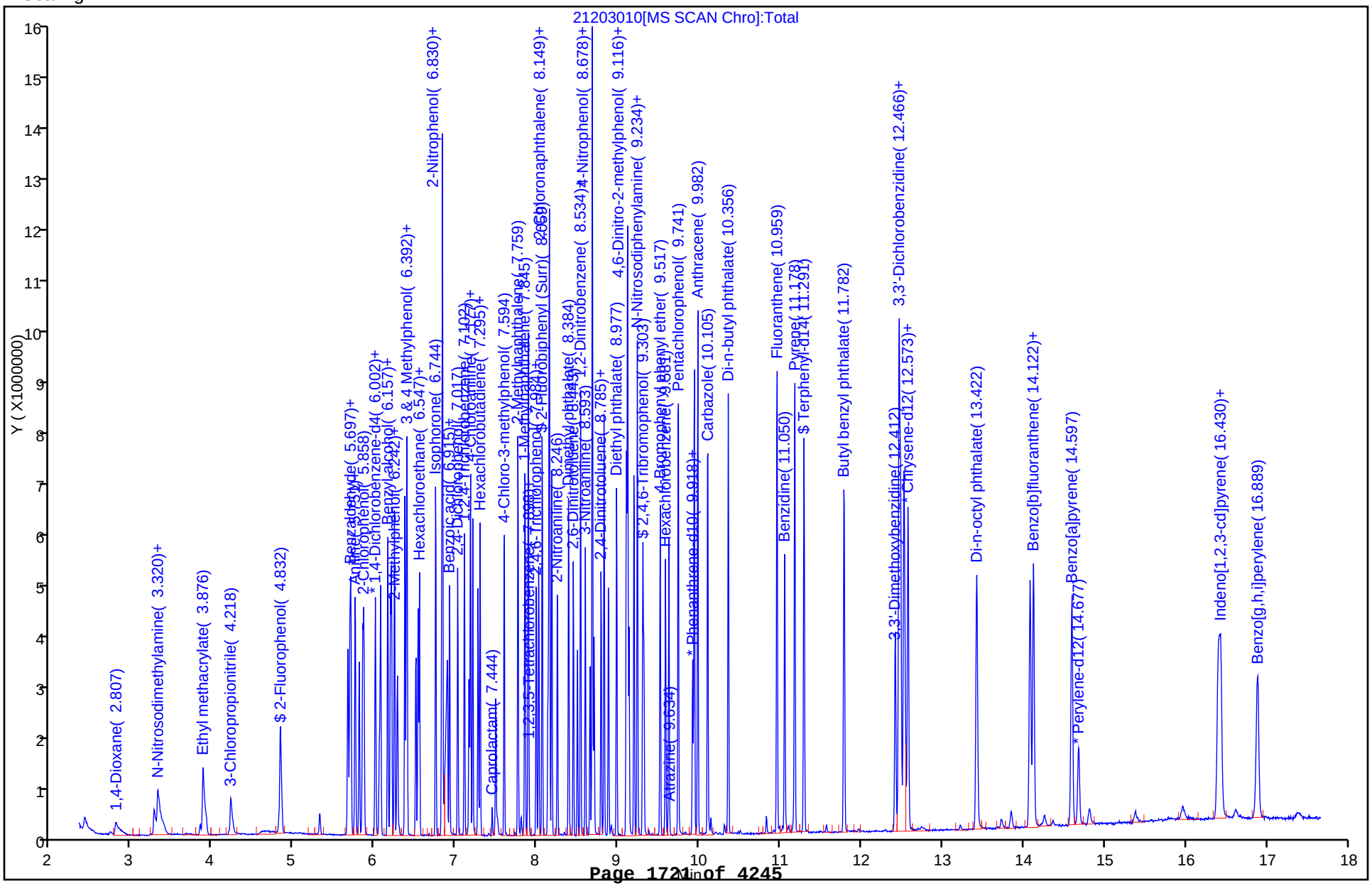
Report Date: 04-Dec-2012 08:01:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D

Injection Date:	03-Dec-2012 15:01:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	10
Operator ID:	001574	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.: 240-17796-1

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	0.0500	12.2	10.0	22.4*	20.0
2,6-Dichlorophenol	Ave	0.2496	0.2970	0.0500	11.9	10.0	19.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5057	0.5686	0.0500	11.2	10.0	12.4	20.0

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	

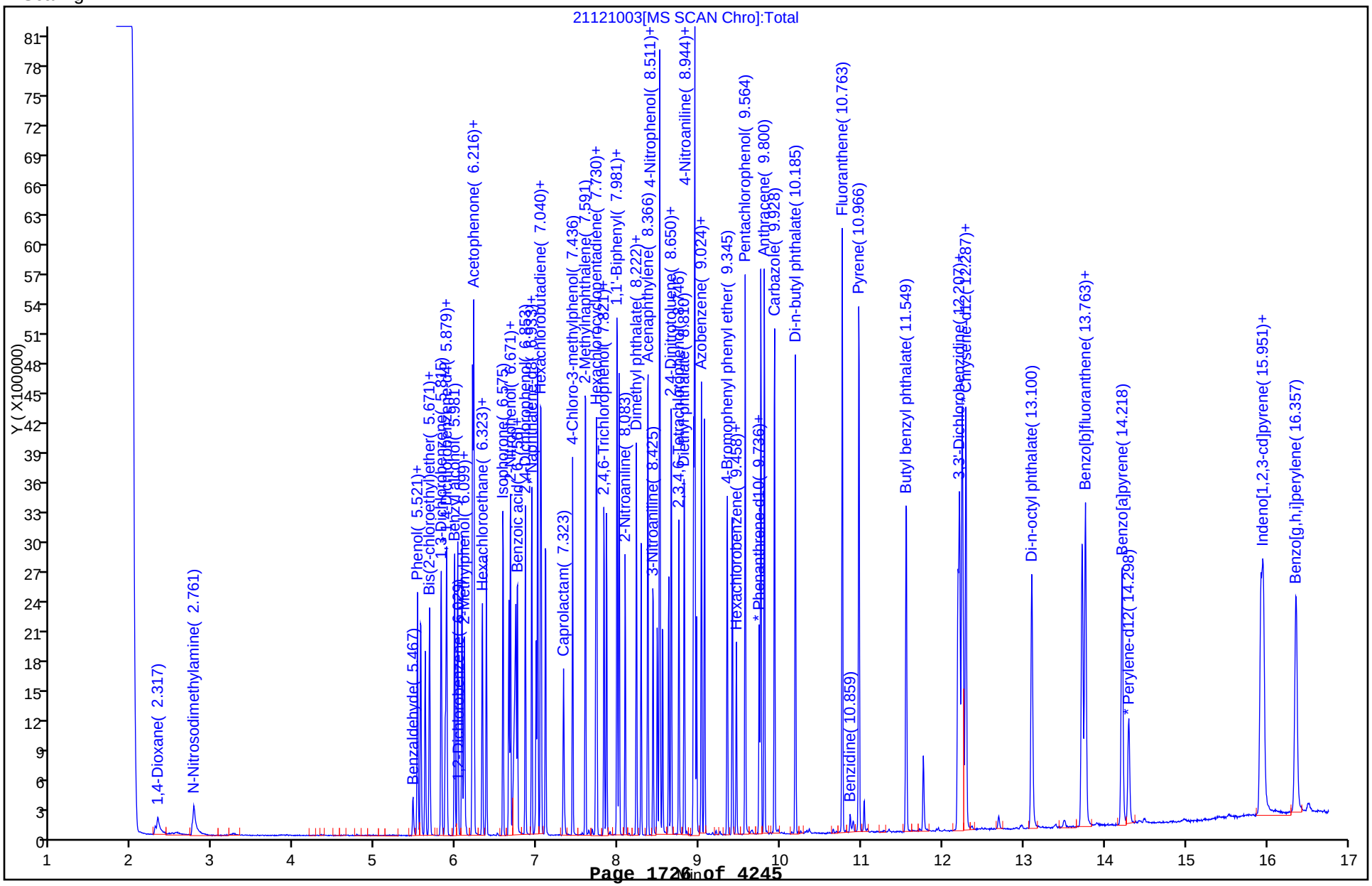
Report Date: 23-Nov-2012 10:11:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

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	0.0500	9.81	10.0	-1.9	20.0
N-Nitrosodimethylamine	Qua		0.7900	0.0500	9.88	10.0	-1.2	20.0
Benzaldehyde	Ave	1.043	0.1913	0.0500	1.83	10.0	-81.7*	20.0
Phenol	Ave	1.674	1.746	0.0500	10.4	10.0	4.3	20.0
Aniline	Ave	2.093	1.817	0.0500	8.68	10.0	-13.2	20.0
Bis(2-chloroethyl)ether	Ave	1.293	1.309	0.0500	10.1	10.0	1.3	20.0
2-Chlorophenol	Ave	1.352	1.363	0.0500	10.1	10.0	0.8	20.0
1,3-Dichlorobenzene	Ave	1.457	1.418	0.0500	9.73	10.0	-2.7	20.0
1,4-Dichlorobenzene	Ave	1.448	1.460	0.0500	10.1	10.0	0.8	20.0
Benzyl alcohol	Ave	0.8332	0.8993	0.0500	10.8	10.0	7.9	20.0
1,2-Dichlorobenzene	Ave	1.380	1.382	0.0500	10.0	10.0	0.1	20.0
2-Methylphenol	Ave	1.220	1.227	0.0500	10.1	10.0	0.6	20.0
bis (2-chloroisopropyl) ether	Ave	1.897	1.940	0.0500	10.2	10.0	2.2	20.0
3 & 4 Methylphenol	Ave	1.279	1.289	0.0500	10.1	10.0	0.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.9059	1.016	0.0500	11.2	10.0	12.1	20.0
Acetophenone	Ave	1.808	1.853	0.0500	10.3	10.0	2.5	20.0
Hexachloroethane	Ave	0.5884	0.5740	0.0500	9.75	10.0	-2.5	20.0
Nitrobenzene	Ave	0.3635	0.4041	0.0500	11.1	10.0	11.2	20.0
Isophorone	Ave	0.6380	0.7096	0.0500	11.1	10.0	11.2	20.0
2-Nitrophenol	Ave	0.1710	0.2006	0.0500	11.7	10.0	17.3	20.0
2,4-Dimethylphenol	Ave	0.3362	0.3528	0.0500	10.5	10.0	4.9	20.0
Benzoic acid	Qua		0.2241	0.0500	20.1	20.0	0.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.4052	0.4343	0.0500	10.7	10.0	7.2	20.0
2,4-Dichlorophenol	Ave	0.2657	0.2995	0.0500	11.3	10.0	12.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3169	0.3336	0.0500	10.5	10.0	5.3	20.0
Naphthalene	Ave	0.999	1.081	0.0500	10.8	10.0	8.2	20.0
4-Chloroaniline	Ave	0.4261	0.4502	0.0500	10.6	10.0	5.7	20.0
Hexachlorobutadiene	Ave	0.1716	0.1889	0.0500	11.0	10.0	10.1	20.0
Caprolactam	Qua		0.1073	0.0500	10.7	10.0	6.9	20.0
4-Chloro-3-methylphenol	Ave	0.2854	0.3245	0.0500	11.4	10.0	13.7	20.0
2-Methylnaphthalene	Ave	0.6393	0.6829	0.0500	10.7	10.0	6.8	20.0
Hexachlorocyclopentadiene	Ave	0.3241	0.3738	0.0500	11.5	10.0	15.3	20.0
2,4,6-Trichlorophenol	Ave	0.3372	0.3806	0.0500	11.3	10.0	12.9	20.0
2,4,5-Trichlorophenol	Ave	0.3632	0.4064	0.0500	11.2	10.0	11.9	20.0
1,1'-Biphenyl	Ave	1.413	1.522	0.0500	10.8	10.0	7.7	20.0
2-Chloronaphthalene	Ave	1.105	1.171	0.0500	10.6	10.0	6.0	20.0
2-Nitroaniline	Ave	0.3242	0.3713	0.0500	11.5	10.0	14.5	20.0
Dimethyl phthalate	Ave	1.175	1.293	0.0500	11.0	10.0	10.0	20.0
2,6-Dinitrotoluene	Qua		0.2876	0.0500	10.6	10.0	6.4	20.0
Acenaphthylene	Ave	1.825	1.912	0.0500	10.5	10.0	4.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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
3-Nitroaniline	Ave	0.2941	0.3292	0.0500	11.2	10.0	11.9	20.0
Acenaphthene	Ave	1.097	1.132	0.0500	10.3	10.0	3.2	20.0
2,4-Dinitrophenol	Qua		0.1945	0.0500	20.9	20.0	4.4	20.0
4-Nitrophenol	Ave	0.1694	0.1848	0.0500	10.9	10.0	9.1	20.0
2,4-Dinitrotoluene	Qua		0.3951	0.0500	10.8	10.0	8.2	20.0
Dibenzofuran	Ave	1.629	1.686	0.0500	10.4	10.0	3.5	20.0
Diethyl phthalate	Ave	1.228	1.326	0.0500	10.8	10.0	8.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.6187	0.6644	0.0500	10.7	10.0	7.4	20.0
4-Nitroaniline	Qua		0.3016	0.0500	9.37	10.0	-6.3	20.0
Fluorene	Ave	1.308	1.369	0.0500	10.5	10.0	4.7	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1434	0.0500	10.8	10.0	7.7	20.0
N-Nitrosodiphenylamine	Ave	0.5517	0.5798	0.0500	10.5	10.0	5.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2040	0.2259	0.0500	11.1	10.0	10.7	20.0
Hexachlorobenzene	Ave	0.2101	0.2360	0.0500	11.2	10.0	12.3	20.0
Atrazine	Ave	0.1501	0.1117	0.0500	7.44	10.0	-25.6*	20.0
Pentachlorophenol	Qua		0.1539	0.0500	21.5	20.0	7.5	20.0
Phenanthrene	Ave	1.093	1.150	0.0500	10.5	10.0	5.2	20.0
Anthracene	Ave	1.086	1.181	0.0500	10.9	10.0	8.7	20.0
Carbazole	Ave	1.055	1.112	0.0500	10.5	10.0	5.4	20.0
Di-n-butyl phthalate	Ave	1.185	1.343	0.0500	11.3	10.0	13.4	20.0
Fluoranthene	Ave	1.207	1.328	0.0500	11.0	10.0	10.1	20.0
Benzidine	Qua		0.0449*	0.0500	1.06	10.0	-89.4*	20.0
Pyrene	Ave	1.276	1.268	0.0500	9.94	10.0	-0.6	20.0
Butyl benzyl phthalate	Qua		0.5435	0.0500	10.3	10.0	3.0	20.0
3,3'-Dichlorobenzidine	Qua		0.3487	0.0500	7.89	10.0	-21.1*	20.0
Bis(2-ethylhexyl) phthalate	Qua		0.7530	0.0500	10.1	10.0	0.9	20.0
Benzo[a]anthracene	Ave	1.116	1.148	0.0500	10.3	10.0	2.8	20.0
Chrysene	Ave	1.064	1.094	0.0500	10.3	10.0	2.9	20.0
Di-n-octyl phthalate	Qua		1.478	0.0500	10.1	10.0	1.4	20.0
Benzo[b]fluoranthene	Ave	1.276	1.250	0.0500	9.79	10.0	-2.1	20.0
Benzo[k]fluoranthene	Ave	1.387	1.425	0.0500	10.3	10.0	2.8	20.0
Benzo[a]pyrene	Qua		1.166	0.0500	8.86	10.0	-11.4	20.0
Indeno[1,2,3-cd]pyrene	Qua		1.467	0.0500	10.1	10.0	1.0	20.0
Dibenz(a,h)anthracene	Qua		1.239	0.0500	10.0	10.0	0.1	20.0
Benzo[g,h,i]perylene	Ave	1.145	1.271	0.0500	11.1	10.0	11.0	20.0

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	

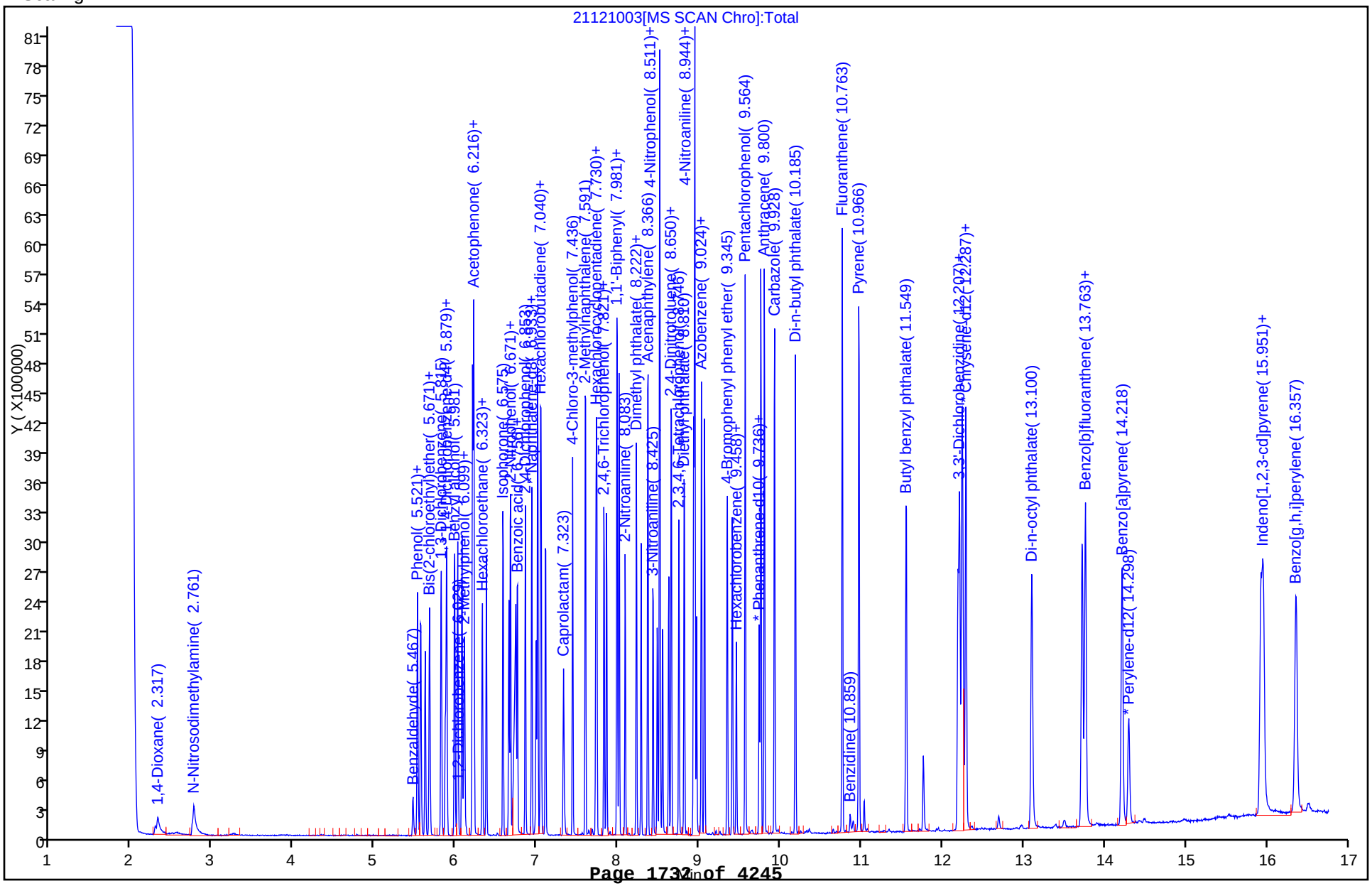
Report Date: 23-Nov-2012 10:11:27 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66717/2 Calibration Date: 11/29/2012 09:27

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: 21129002.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	0.4686	0.0500	10.1	10.0	0.9	20.0
N-Nitrosodimethylamine	Qua		0.8073	0.0500	10.1	10.0	0.9	20.0
Pyridine	Ave	1.330	1.450	0.0500	10.9	10.0	9.0	20.0
Benzaldehyde	Ave	1.043	1.032	0.0500	9.89	10.0	-1.1	20.0
Phenol	Ave	1.674	1.728	0.0500	10.3	10.0	3.3	20.0
Aniline	Ave	2.093	2.111	0.0500	10.1	10.0	0.9	20.0
Bis(2-chloroethyl)ether	Ave	1.293	1.301	0.0500	10.1	10.0	0.6	20.0
2-Chlorophenol	Ave	1.352	1.370	0.0500	10.1	10.0	1.3	20.0
1,3-Dichlorobenzene	Ave	1.457	1.459	0.0500	10.0	10.0	0.1	20.0
1,4-Dichlorobenzene	Ave	1.448	1.453	0.0500	10.0	10.0	0.4	20.0
Benzyl alcohol	Ave	0.8332	0.8332	0.0500	10.0	10.0	-0.0	20.0
1,2-Dichlorobenzene	Ave	1.380	1.396	0.0500	10.1	10.0	1.1	20.0
2-Methylphenol	Ave	1.220	1.228	0.0500	10.1	10.0	0.7	20.0
bis (2-chloroisopropyl) ether	Ave	1.897	1.927	0.0500	10.2	10.0	1.6	20.0
3 & 4 Methylphenol	Ave	1.279	1.289	0.0500	10.1	10.0	0.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.9059	0.8998	0.0500	9.93	10.0	-0.7	20.0
Acetophenone	Ave	1.808	1.759	0.0500	9.73	10.0	-2.7	20.0
Hexachloroethane	Ave	0.5884	0.5930	0.0500	10.1	10.0	0.8	20.0
Nitrobenzene	Ave	0.3635	0.3864	0.0500	10.6	10.0	6.3	20.0
Isophorone	Ave	0.6380	0.6637	0.0500	10.4	10.0	4.0	20.0
2-Nitrophenol	Ave	0.1710	0.1834	0.0500	10.7	10.0	7.2	20.0
2,4-Dimethylphenol	Ave	0.3362	0.3518	0.0500	10.5	10.0	4.6	20.0
Benzoic acid	Qua		0.2096	0.0500	18.9	20.0	-5.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.4052	0.3932	0.0500	9.70	10.0	-3.0	20.0
2,4-Dichlorophenol	Ave	0.2657	0.2776	0.0500	10.4	10.0	4.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3169	0.3221	0.0500	10.2	10.0	1.6	20.0
Naphthalene	Ave	0.999	1.015	0.0500	10.2	10.0	1.6	20.0
4-Chloroaniline	Ave	0.4261	0.4256	0.0500	9.99	10.0	-0.1	20.0
Hexachlorobutadiene	Ave	0.1716	0.1808	0.0500	10.5	10.0	5.3	20.0
Caprolactam	Qua		0.1056	0.0500	10.5	10.0	5.1	20.0
4-Chloro-3-methylphenol	Ave	0.2854	0.2942	0.0500	10.3	10.0	3.1	20.0
2-Methylnaphthalene	Ave	0.6393	0.6148	0.0500	9.62	10.0	-3.8	20.0
Hexachlorocyclopentadiene	Ave	0.3241	0.3424	0.0500	10.6	10.0	5.6	20.0
2,4,6-Trichlorophenol	Ave	0.3372	0.3573	0.0500	10.6	10.0	6.0	20.0
2,4,5-Trichlorophenol	Ave	0.3632	0.3816	0.0500	10.5	10.0	5.1	20.0
1,1'-Biphenyl	Ave	1.413	1.389	0.0500	9.84	10.0	-1.6	20.0
2-Chloronaphthalene	Ave	1.105	1.073	0.0500	9.71	10.0	-2.9	20.0
2-Nitroaniline	Ave	0.3242	0.3607	0.0500	11.1	10.0	11.2	20.0
Dimethyl phthalate	Ave	1.175	1.198	0.0500	10.2	10.0	2.0	20.0
2,6-Dinitrotoluene	Qua		0.2848	0.0500	10.5	10.0	5.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66717/2 Calibration Date: 11/29/2012 09:27

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: 21129002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.825	1.834	0.0500	10.1	10.0	0.5	20.0
3-Nitroaniline	Ave	0.2941	0.3212	0.0500	10.9	10.0	9.2	20.0
Acenaphthene	Ave	1.097	1.082	0.0500	9.86	10.0	-1.4	20.0
2,4-Dinitrophenol	Qua		0.1845	0.0500	19.9	20.0	-0.4	20.0
4-Nitrophenol	Ave	0.1694	0.1804	0.0500	10.7	10.0	6.5	20.0
2,4-Dinitrotoluene	Qua		0.3685	0.0500	10.1	10.0	1.2	20.0
Dibenzofuran	Ave	1.629	1.600	0.0500	9.82	10.0	-1.8	20.0
Diethyl phthalate	Ave	1.228	1.224	0.0500	9.97	10.0	-0.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6187	0.6381	0.0500	10.3	10.0	3.1	20.0
Fluorene	Ave	1.308	1.275	0.0500	9.75	10.0	-2.5	20.0
4-Nitroaniline	Qua		0.3213	0.0500	9.97	10.0	-0.3	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1325	0.0500	10.0	10.0	0.2	20.0
N-Nitrosodiphenylamine	Ave	0.5517	0.5446	0.0500	9.87	10.0	-1.3	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785	0.7925	0.0500	10.2	10.0	1.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2040	0.2050	0.0500	10.0	10.0	0.5	20.0
Hexachlorobenzene	Ave	0.2101	0.2177	0.0500	10.4	10.0	3.6	20.0
Atrazine	Ave	0.1501	0.1599	0.0500	10.6	10.0	6.5	20.0
Pentachlorophenol	Qua		0.1411	0.0500	19.8	20.0	-1.0	20.0
Phenanthrene	Ave	1.093	1.047	0.0500	9.58	10.0	-4.2	20.0
Anthracene	Ave	1.086	1.091	0.0500	10.1	10.0	0.5	20.0
Carbazole	Ave	1.055	1.052	0.0500	9.98	10.0	-0.2	20.0
Di-n-butyl phthalate	Ave	1.185	1.226	0.0500	10.3	10.0	3.5	20.0
Fluoranthene	Ave	1.207	1.230	0.0500	10.2	10.0	1.9	20.0
Benzidine	Qua		0.6913	0.0500	10.0	10.0	0.3	20.0
Pyrene	Ave	1.276	1.293	0.0500	10.1	10.0	1.3	20.0
Butyl benzyl phthalate	Qua		0.5441	0.0500	10.3	10.0	3.1	20.0
3,3'-Dichlorobenzidine	Qua		0.4602	0.0500	10.3	10.0	3.2	20.0
Bis(2-ethylhexyl) phthalate	Qua		0.7595	0.0500	10.2	10.0	1.7	20.0
Benzo[a]anthracene	Ave	1.116	1.153	0.0500	10.3	10.0	3.3	20.0
Chrysene	Ave	1.064	1.078	0.0500	10.1	10.0	1.3	20.0
Di-n-octyl phthalate	Qua		1.437	0.0500	9.88	10.0	-1.2	20.0
Benzo[b]fluoranthene	Ave	1.276	1.326	0.0500	10.4	10.0	3.9	20.0
Benzo[k]fluoranthene	Ave	1.387	1.408	0.0500	10.2	10.0	1.5	20.0
Benzo[a]pyrene	Qua		1.294	0.0500	9.79	10.0	-2.1	20.0
Indeno[1,2,3-cd]pyrene	Qua		1.451	0.0500	10.0	10.0	-0.0	20.0
Dibenz(a,h)anthracene	Qua		1.199	0.0500	9.70	10.0	-3.0	20.0
Benzo[g,h,i]perylene	Ave	1.145	1.248	0.0500	10.9	10.0	9.0	20.0
2-Fluorophenol (Surr)	Ave	1.236	1.282	0.0500	10.4	10.0	3.7	20.0
Phenol-d5 (Surr)	Ave	1.570	1.666	0.0500	10.6	10.0	6.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3517	0.3853	0.0500	11.0	10.0	9.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66717/2 Calibration Date: 11/29/2012 09:27

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: 21129002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Fluorobiphenyl (Surr)	Ave	1.298	1.270	0.0500	9.79	10.0	-2.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1655	0.1802	0.0500	10.9	10.0	8.9	20.0
Terphenyl-d14 (Surr)	Ave	0.7408	0.7477	0.0500	10.1	10.0	0.9	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129002.D		
Lims ID:	ccv tcl	Client ID:	
Inject. Date:	29-Nov-2012 09:27:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	240-0015374-002		
Misc. Info.:	ccv tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	66717	Lims Sample ID:	2
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\8270_hp7.m		
Last Update:	30-Nov-2012 13:29:57	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:	XAWRK032		
First Level Reviewer: gruberj		Date:	29-Nov-2012 09:50:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.806	5.806	0.0	97	155413	4.00	
* 2 Naphthalene-d8	136	6.929	6.929	0.0	100	582750	4.00	
* 3 Acenaphthene-d10	164	8.427	8.427	0.0	92	332505	4.00	
* 4 Phenanthrene-d10	188	9.684	9.684	0.0	98	571175	4.00	
* 5 Chrysene-d12	240	12.171	12.171	0.0	91	565972	4.00	
* 6 Perylene-d12	264	14.193	14.193	0.0	96	496653	4.00	
$ 7 2-Fluorophenol	112	4.528	4.528	0.0	93	498287	10.4	
$ 8 Phenol-d5	99	5.459	5.459	0.0	90	647236	10.6	
$ 9 Nitrobenzene-d5	82	6.298	6.298	0.0	89	561290	11.0	
$ 10 2-Fluorobiphenyl (Surr)	172	7.844	7.844	0.0	99	1055695	9.79	
$ 11 2,4,6-Tribromophenol	330	9.090	9.090	0.0	91	149819	10.9	
$ 12 Terphenyl-d14	244	11.021	11.021	0.0	98	1057934	10.1	
24 1,4-Dioxane	88	2.180	2.180	0.0	95	182051	10.1	
25 N-Nitrosodimethylamine	74	2.608	2.608	0.0	90	313649	10.1	
26 Pyridine	79	2.667	2.667	0.0	95	563231	10.9	
27 Ethyl methacrylate	69	3.389	3.389	0.0	90	455727	10.6	
28 3-Chloropropionitrile	54	3.817	3.817	0.0	89	332954	11.6	
32 Malononitrile	66	4.207	4.207	0.0	99	614886	11.4	
40 Benzaldehyde	77	5.405	5.405	0.0	91	400840	9.89	
41 Phenol	94	5.469	5.469	0.0	99	671465	10.3	
43 Aniline	93	5.501	5.501	0.0	97	820209	10.1	
44 Bis(2-chloroethyl)ether	93	5.560	5.560	0.0	94	505353	10.1	
46 2-Chlorophenol	128	5.614	5.614	0.0	98	532340	10.1	
47 1,3-Dichlorobenzene	146	5.758	5.758	0.0	97	566877	10.0	
48 1,4-Dichlorobenzene	146	5.822	5.822	0.0	91	564620	10.0	
49 Benzyl alcohol	108	5.924	5.924	0.0	89	323708	10.0	
50 1,2-Dichlorobenzene	146	5.961	5.961	0.0	93	542373	10.1	
51 2-Methylphenol	108	6.020	6.020	0.0	97	477167	10.1	
52 2,2'-oxybis[1-chloropropane]	45	6.047	6.047	0.0	91	748611	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.154	6.154	0.0	97	500873	10.1	
56 N-Nitrosodi-n-propylamine	70	6.159	6.159	0.0	91	349600	9.93	
57 Acetophenone	105	6.165	6.165	0.0	92	683242	9.73	
60 Hexachloroethane	117	6.266	6.266	0.0	94	230386	10.1	
61 Nitrobenzene	77	6.320	6.320	0.0	84	562980	10.6	
63 Isophorone	82	6.523	6.523	0.0	98	966943	10.4	
65 2-Nitrophenol	139	6.598	6.598	0.0	95	267146	10.7	
66 1,3,5-Trichlorobenzene	180	6.609	6.609	0.0	96	479820	10.4	
64 2,4-Dimethylphenol	107	6.619	6.619	0.0	94	512506	10.5	
69 Benzoic acid	122	6.689	6.689	0.0	87	610682	18.9	
68 Bis(2-chloroethoxy)methane	93	6.705	6.705	0.0	93	572841	9.70	
71 2,4-Dichlorophenol	162	6.801	6.801	0.0	96	404479	10.4	
72 1,2,4-Trichlorobenzene	180	6.881	6.881	0.0	90	469273	10.2	
73 Naphthalene	128	6.951	6.951	0.0	97	1478892	10.2	
74 4-Chloroaniline	127	6.988	6.988	0.0	85	620060	9.99	
77 Hexachlorobutadiene	225	7.047	7.047	0.0	95	263433	10.5	
78 1,2,3-Trichlorobenzene	180	7.074	7.074	0.0	90	443788	0	
83 Caprolactam	113	7.272	7.272	0.0	71	153874	10.5	
84 4-Chloro-3-methylphenol	107	7.389	7.389	0.0	97	428652	10.3	
85 2-Methylnaphthalene	142	7.539	7.539	0.0	89	895716	9.62	
86 1-Methylnaphthalene	142	7.625	7.625	0.0	90	885544	10.0	
87 1,2,3,5-Tetrachlorobenzene	216	7.668	7.668	0.0	95	454869	10.1	
88 Hexachlorocyclopentadiene	237	7.668	7.668	0.0	75	284611	10.6	
90 2,4,6-Trichlorophenol	196	7.775	7.775	0.0	93	296977	10.6	
91 2,4,5-Trichlorophenol	196	7.807	7.807	0.0	95	317228	10.5	
94 2,4-Toluene diamine	121	7.914	7.914	0.0	97	296898	10.0	
96 1,2,3,4 -Tetrachlorobenzene	216	7.924	7.924	0.0	94	438730	0	
95 1,1'-Biphenyl	154	7.930	7.930	0.0	94	1155014	9.84	
98 2-Chloronaphthalene	162	7.956	7.956	0.0	95	891623	9.71	
100 2-Nitroaniline	65	8.031	8.031	0.0	81	299817	11.1	
103 Dimethyl phthalate	163	8.170	8.170	0.0	98	995765	10.2	
105 2,6-Dinitrotoluene	165	8.229	8.229	0.0	94	236700	10.5	
106 1,2-Dinitrobenzene	168	8.277	8.277	0.0	89	119808	11.1	
107 Acenaphthylene	152	8.309	8.309	0.0	92	1524626	10.1	
108 3-Nitroaniline	138	8.379	8.379	0.0	95	267021	10.9	
110 Acenaphthene	153	8.454	8.454	0.0	95	899623	9.86	
109 2,4-Dinitrophenol	184	8.465	8.465	0.0	87	306702	19.9	
111 4-Nitrophenol	109	8.497	8.497	0.0	94	149982	10.7	
112 2,4-Dinitrotoluene	165	8.572	8.572	0.0	89	306332	10.1	
114 Dibenzofuran	168	8.598	8.598	0.0	88	1329740	9.82	
115 2,3,5,6-Tetrachlorophenol	232	8.657	8.657	0.0	90	268251	10.8	
119 Diethyl phthalate	149	8.764	8.764	0.0	97	1017856	9.97	
121 4-Chlorophenyl phenyl ether	204	8.876	8.876	0.0	91	530446	10.3	
124 Fluorene	166	8.887	8.887	0.0	91	1059833	9.75	
123 4-Nitroaniline	138	8.892	8.892	0.0	79	267049	9.97	
126 4,6-Dinitro-2-methylphenol	198	8.914	8.914	0.0	83	189182	10.0	
130 N-Nitrosodiphenylamine	169	8.973	8.973	0.0	0	777668	9.87	
131 Azobenzene	77	9.010	9.010	0.0	99	1132293	10.2	
129 1,2-Diphenylhydrazine	77	9.010	9.010	0.0	0	1131691	10.2	
137 4-Bromophenyl phenyl ether	248	9.288	9.288	0.0	66	292742	10.0	
139 Hexachlorobenzene	284	9.352	9.352	0.0	91	310883	10.4	
140 Atrazine	200	9.406	9.406	0.0	91	228285	10.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.513	9.513	0.0	88	403079	19.8	
146 Phenanthrene	178	9.700	9.700	0.0	97	1494420	9.58	
147 Anthracene	178	9.748	9.748	0.0	97	1558210	10.1	
149 Carbazole	167	9.871	9.871	0.0	82	1502837	9.98	
151 Di-n-butyl phthalate	149	10.128	10.128	0.0	100	1750140	10.3	
157 Fluoranthene	202	10.706	10.706	0.0	97	1756056	10.2	
158 Benzidine	184	10.802	10.802	0.0	100	978075	10.0	
160 Pyrene	202	10.909	10.909	0.0	96	1829788	10.1	
166 Butyl benzyl phthalate	149	11.481	11.481	0.0	97	769837	10.3	
170 3,3'-Dimethoxybenzidine	244	12.070	12.070	0.0	92	378817	9.72	
172 4,4'-Methylene bis(2-chloroanili	231	12.112	12.112	0.0	64	298354	10.3	
173 3,3'-Dichlorobenzidine	252	12.112	12.112	0.0	65	651184	10.3	
171 Bis(2-ethylhexyl) phthalate	149	12.128	12.128	0.0	96	1074610	10.2	
175 Benzo[a]anthracene	228	12.160	12.160	0.0	94	1632016	10.3	
176 Chrysene	228	12.209	12.209	0.0	95	1525499	10.1	
178 Di-n-octyl phthalate	149	13.011	13.011	0.0	99	1784599	9.88	
180 Benzo[b]fluoranthene	252	13.621	13.621	0.0	93	1646472	10.4	
181 Benzo[k]fluoranthene	252	13.663	13.663	0.0	95	1747782	10.2	
182 Benzo[a]pyrene	252	14.113	14.113	0.0	74	1607141	9.79	
186 Indeno[1,2,3-cd]pyrene	276	15.808	15.808	0.0	93	1801367	10.0	
187 Dibenz(a,h)anthracene	278	15.835	15.835	0.0	70	1488353	9.70	
188 Benzo[g,h,i]perylene	276	16.225	16.225	0.0	91	1549604	10.9	
S 189 Methyl Phenols,Total	100				0		10.1	

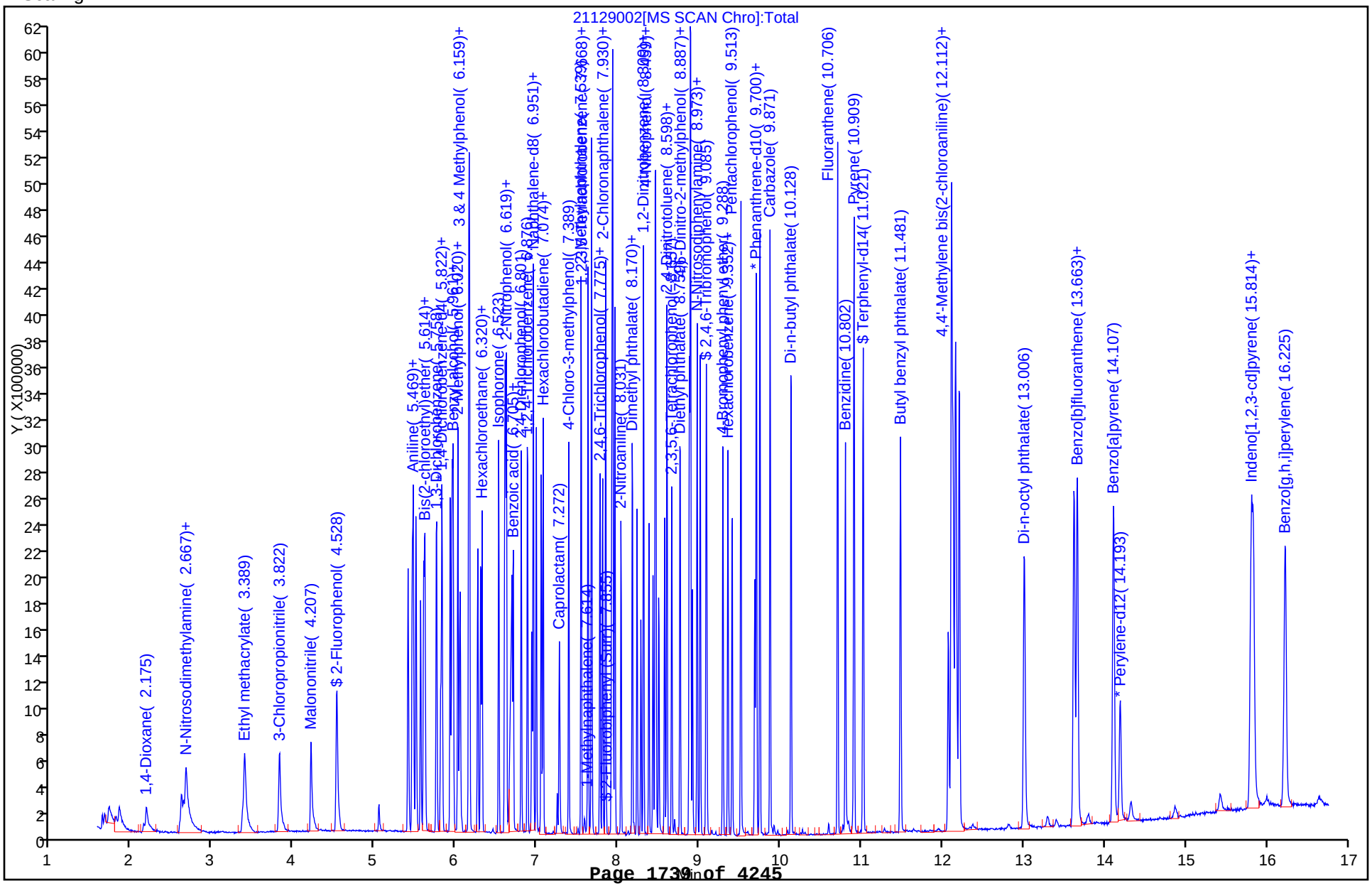
Report Date: 30-Nov-2012 13:29:57 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129002.D

Injection Date:	29-Nov-2012 09:27:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	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.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-67225/2 Calibration Date: 12/04/2012 09:21

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: 21204002.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	0.4329		9.33	10.0	-6.7	
N-Nitrosodimethylamine	Qua		0.6808		8.57	10.0	-14.3	
Pyridine	Ave	1.330	1.270		9.55	10.0	-4.5	
Benzaldehyde	Ave	1.043	0.9648		9.25	10.0	-7.5	
Phenol	Ave	1.674	1.590		9.50	10.0	-5.0	
Aniline	Ave	2.093	1.925		9.20	10.0	-8.0	
Bis(2-chloroethyl)ether	Ave	1.293	1.218		9.42	10.0	-5.8	
2-Chlorophenol	Ave	1.352	1.287		9.52	10.0	-4.8	
1,3-Dichlorobenzene	Ave	1.457	1.353		9.29	10.0	-7.1	
1,4-Dichlorobenzene	Ave	1.448	1.366		9.43	10.0	-5.7	
Benzyl alcohol	Ave	0.8332	0.7983		9.58	10.0	-4.2	
1,2-Dichlorobenzene	Ave	1.380	1.307		9.47	10.0	-5.3	
2-Methylphenol	Ave	1.220	1.132		9.28	10.0	-7.2	
3 & 4 Methylphenol	Ave	1.279	1.197		9.36	10.0	-6.4	
N-Nitrosodi-n-propylamine	Ave	0.9059	0.8643		9.54	10.0	-4.6	
Acetophenone	Ave	1.808	1.681		9.30	10.0	-7.0	
Hexachloroethane	Ave	0.5884	0.5492		9.33	10.0	-6.7	
Nitrobenzene	Ave	0.3635	0.3719		10.2	10.0	2.3	
Isophorone	Ave	0.6380	0.6343		9.94	10.0	-0.6	
2-Nitrophenol	Ave	0.1710	0.1743		10.2	10.0	1.9	
2,4-Dimethylphenol	Ave	0.3362	0.3274		9.74	10.0	-2.6	
Benzoic acid	Qua		0.1927		17.5	20.0	-12.4	
Bis(2-chloroethoxy)methane	Ave	0.4052	0.3819		9.42	10.0	-5.8	
2,4-Dichlorophenol	Ave	0.2657	0.2615		9.84	10.0	-1.6	
1,2,4-Trichlorobenzene	Ave	0.3169	0.3086		9.74	10.0	-2.6	
Naphthalene	Ave	0.999	0.9637		9.64	10.0	-3.6	
Hexachlorobutadiene	Ave	0.1716	0.1688		9.83	10.0	-1.7	
Caprolactam	Qua		0.0950		9.38	10.0	-6.2	
4-Chloro-3-methylphenol	Ave	0.2854	0.2795		9.79	10.0	-2.1	
2-Methylnaphthalene	Ave	0.6393	0.5976		9.35	10.0	-6.5	
Hexachlorocyclopentadiene	Ave	0.3241	0.3115		9.61	10.0	-3.9	
2,4,6-Trichlorophenol	Ave	0.3372	0.3384		10.0	10.0	0.4	
2,4,5-Trichlorophenol	Ave	0.3632	0.3497		9.63	10.0	-3.7	
1,1'-Biphenyl	Ave	1.413	1.314		9.30	10.0	-7.0	
2-Chloronaphthalene	Ave	1.105	1.043		9.44	10.0	-5.6	
2-Nitroaniline	Ave	0.3242	0.3336		10.3	10.0	2.9	
Dimethyl phthalate	Ave	1.175	1.129		9.61	10.0	-3.9	
2,6-Dinitrotoluene	Qua		0.2479		9.22	10.0	-7.8	
Acenaphthylene	Ave	1.825	1.730		9.48	10.0	-5.2	
3-Nitroaniline	Ave	0.2941	0.2959		10.1	10.0	0.6	
Acenaphthene	Ave	1.097	1.033		9.41	10.0	-5.9	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-67225/2 Calibration Date: 12/04/2012 09:21

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: 21204002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua		0.1656		18.1	20.0	-9.5	
4-Nitrophenol	Ave	0.1694	0.1763		10.4	10.0	4.1	
2,4-Dinitrotoluene	Qua		0.3502		9.64	10.0	-3.6	
Dibenzofuran	Ave	1.629	1.492		9.16	10.0	-8.4	
Diethyl phthalate	Ave	1.228	1.186		9.66	10.0	-3.4	
4-Chlorophenyl phenyl ether	Ave	0.6187	0.5896		9.53	10.0	-4.7	
Fluorene	Ave	1.308	1.229		9.40	10.0	-6.0	
4-Nitroaniline	Qua		0.2959		9.20	10.0	-8.0	
4,6-Dinitro-2-methylphenol	Qua		0.1169		8.95	10.0	-10.5	
N-Nitrosodiphenylamine	Ave	0.5517	0.4990		9.05	10.0	-9.5	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785	0.7165		9.20	10.0	-8.0	
4-Bromophenyl phenyl ether	Ave	0.2040	0.1930		9.46	10.0	-5.4	
Hexachlorobenzene	Ave	0.2101	0.1945		9.26	10.0	-7.4	
Atrazine	Ave	0.1501	0.1450		9.66	10.0	-3.4	
Pentachlorophenol	Qua		0.1336		18.8	20.0	-6.1	
Phenanthrene	Ave	1.093	0.9599		8.78	10.0	-12.2	
Anthracene	Ave	1.086	1.004		9.25	10.0	-7.5	
Carbazole	Ave	1.055	0.9613		9.11	10.0	-8.9	
Di-n-butyl phthalate	Ave	1.185	1.118		9.44	10.0	-5.6	
Fluoranthene	Ave	1.207	1.122		9.30	10.0	-7.0	
Benzidine	Qua		0.4794		7.20	10.0	-28.0	
Pyrene	Ave	1.276	1.175		9.21	10.0	-7.9	
Butyl benzyl phthalate	Qua		0.4626		8.84	10.0	-11.6	
3,3'-Dichlorobenzidine	Qua		0.3993		8.99	10.0	-10.1	
Bis(2-ethylhexyl) phthalate	Qua		0.6710		9.04	10.0	-9.6	
Benzo[a]anthracene	Ave	1.116	1.030		9.23	10.0	-7.7	
Chrysene	Ave	1.064	0.9700		9.12	10.0	-8.8	
Di-n-octyl phthalate	Qua		1.209		8.42	10.0	-15.8	
Benzo[b]fluoranthene	Ave	1.276	1.201		9.41	10.0	-5.9	
Benzo[k]fluoranthene	Ave	1.387	1.301		9.38	10.0	-6.2	
Benzo[a]pyrene	Qua		1.189		9.03	10.0	-9.7	
Indeno[1,2,3-cd]pyrene	Qua		1.294		8.96	10.0	-10.4	
Dibenz(a,h)anthracene	Qua		1.095		8.88	10.0	-11.2	
Benzo[g,h,i]perylene	Ave	1.145	1.130		9.87	10.0	-1.3	
2-Fluorophenol (Surr)	Ave	1.236	1.178		9.53	10.0	-4.7	
Phenol-d5 (Surr)	Ave	1.570	1.498		9.54	10.0	-4.6	
Nitrobenzene-d5 (Surr)	Ave	0.3517	0.3603		10.2	10.0	2.4	
2-Fluorobiphenyl (Surr)	Ave	1.298	1.226		9.45	10.0	-5.5	
2,4,6-Tribromophenol (Surr)	Ave	0.1655	0.1719		10.4	10.0	3.9	
Terphenyl-d14 (Surr)	Ave	0.7408	0.6725		9.08	10.0	-9.2	

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204002.D		
Lims ID:	ccv tcl	Client ID:	
Inject. Date:	04-Dec-2012 09:21:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	240-0015502-002		
Misc. Info.:	ccv tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	67225	Lims Sample ID:	2
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 08:15:37	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:	XAWRK005		
First Level Reviewer: hulat		Date:	05-Dec-2012 08:15:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.769	5.769	0.0	96	182784	4.00	
* 2 Naphthalene-d8	136	6.892	6.892	0.0	100	687548	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	90	401283	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	719945	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	91	734647	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	93	625293	4.00	
$ 7 2-Fluorophenol	112	4.486	4.486	0.0	92	538250	9.53	
$ 8 Phenol-d5	99	5.422	5.422	0.0	96	684336	9.54	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	89	619227	10.2	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	1230199	9.45	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	90	172476	10.4	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	99	1235171	9.08	
24 1,4-Dioxane	88	2.116	2.116	0.0	96	197827	9.33	
25 N-Nitrosodimethylamine	74	2.544	2.544	0.0	87	311113	8.57	
26 Pyridine	79	2.592	2.592	0.0	93	580474	9.55	
27 Ethyl methacrylate	69	3.325	3.325	0.0	91	403801	7.99	
28 3-Chloropropionitrile	54	3.769	3.769	0.0	88	344866	10.2	
32 Malononitrile	66	4.165	4.165	0.0	99	651732	10.2	
40 Benzaldehyde	77	5.368	5.368	0.0	95	440853	9.25	
41 Phenol	94	5.432	5.432	0.0	99	726461	9.50	
43 Aniline	93	5.464	5.464	0.0	96	879860	9.20	
44 Bis(2-chloroethyl)ether	93	5.523	5.523	0.0	95	556643	9.42	
46 2-Chlorophenol	128	5.577	5.577	0.0	97	588215	9.52	
47 1,3-Dichlorobenzene	146	5.721	5.721	0.0	96	618405	9.29	
48 1,4-Dichlorobenzene	146	5.785	5.785	0.0	91	624147	9.43	
49 Benzyl alcohol	108	5.887	5.887	0.0	89	364809	9.58	
50 1,2-Dichlorobenzene	146	5.924	5.924	0.0	93	597047	9.47	
51 2-Methylphenol	108	5.983	5.983	0.0	96	517072	9.28	
52 2,2'-oxybis[1-chloropropane]	45	6.010	6.010	0.0	92	836378	9.65	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.117	6.117	0.0	97	546839	9.36	
56 N-Nitrosodi-n-propylamine	70	6.122	6.122	0.0	91	394934	9.54	
57 Acetophenone	105	6.128	6.128	0.0	93	768167	9.30	
60 Hexachloroethane	117	6.229	6.229	0.0	93	250965	9.33	
61 Nitrobenzene	77	6.283	6.283	0.0	84	639232	10.2	
63 Isophorone	82	6.486	6.486	0.0	99	1090214	9.94	
65 2-Nitrophenol	139	6.561	6.561	0.0	97	299662	10.2	
66 1,3,5-Trichlorobenzene	180	6.572	6.572	0.0	95	542982	9.96	
64 2,4-Dimethylphenol	107	6.582	6.582	0.0	93	562834	9.74	
69 Benzoic acid	122	6.652	6.652	0.0	88	662541	17.5	
68 Bis(2-chloroethoxy)methane	93	6.668	6.668	0.0	91	656379	9.42	
71 2,4-Dichlorophenol	162	6.764	6.764	0.0	96	449428	9.84	
72 1,2,4-Trichlorobenzene	180	6.844	6.844	0.0	90	530385	9.74	
73 Naphthalene	128	6.914	6.914	0.0	97	1656381	9.64	
74 4-Chloroaniline	127	6.951	6.951	0.0	86	690289	9.43	
77 Hexachlorobutadiene	225	7.015	7.015	0.0	91	290102	9.83	
78 1,2,3-Trichlorobenzene	180	7.037	7.037	0.0	91	499417	0	
83 Caprolactam	113	7.240	7.240	0.0	75	163329	9.38	
84 4-Chloro-3-methylphenol	107	7.352	7.352	0.0	97	480434	9.79	
85 2-Methylnaphthalene	142	7.508	7.508	0.0	90	1027161	9.35	
86 1-Methylnaphthalene	142	7.593	7.593	0.0	90	1001446	9.58	
87 1,2,3,5-Tetrachlorobenzene	216	7.636	7.636	0.0	96	512257	9.39	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	83	312489	9.61	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	91	339495	10.0	
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	94	350850	9.63	
94 2,4-Toluene diamine	121	7.882	7.882	0.0	97	308397	8.81	
96 1,2,3,4 -Tetrachlorobenzene	216	7.887	7.887	0.0	93	500922	0	
95 1,1'-Biphenyl	154	7.898	7.898	0.0	94	1317815	9.30	
98 2-Chloronaphthalene	162	7.919	7.919	0.0	96	1045949	9.44	
100 2-Nitroaniline	65	8.000	8.000	0.0	85	334653	10.3	
103 Dimethyl phthalate	163	8.139	8.139	0.0	98	1133112	9.61	
105 2,6-Dinitrotoluene	165	8.198	8.198	0.0	93	248649	9.22	
106 1,2-Dinitrobenzene	168	8.246	8.246	0.0	91	137873	10.5	
107 Acenaphthylene	152	8.272	8.272	0.0	90	1735299	9.48	
108 3-Nitroaniline	138	8.342	8.342	0.0	92	296825	10.1	
110 Acenaphthene	153	8.417	8.417	0.0	95	1036362	9.41	
109 2,4-Dinitrophenol	184	8.427	8.427	0.0	84	332189	18.1	
111 4-Nitrophenol	109	8.465	8.465	0.0	94	176816	10.4	
112 2,4-Dinitrotoluene	165	8.534	8.534	0.0	86	351296	9.64	
114 Dibenzofuran	168	8.561	8.561	0.0	87	1497192	9.16	
115 2,3,5,6-Tetrachlorophenol	232	8.620	8.620	0.0	93	311405	10.4	
119 Diethyl phthalate	149	8.727	8.727	0.0	97	1189682	9.66	
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	92	591513	9.53	
124 Fluorene	166	8.850	8.850	0.0	84	1232958	9.40	
123 4-Nitroaniline	138	8.855	8.855	0.0	85	296845	9.20	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	77	210456	8.95	
130 N-Nitrosodiphenylamine	169	8.936	8.936	0.0	0	898110	9.05	
131 Azobenzene	77	8.973	8.973	0.0	99	1290707	9.21	
129 1,2-Diphenylhydrazine	77	8.973	8.973	0.0	0	1289517	9.20	
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	62	347308	9.46	
139 Hexachlorobenzene	284	9.315	9.315	0.0	90	350118	9.26	
140 Atrazine	200	9.369	9.369	0.0	89	260984	9.66	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.476	9.476	0.0	87	481077	18.8	
146 Phenanthrene	178	9.663	9.663	0.0	97	1727692	8.78	
147 Anthracene	178	9.711	9.711	0.0	97	1806940	9.25	
149 Carbazole	167	9.834	9.834	0.0	82	1730259	9.11	
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	2013113	9.44	
157 Fluoranthene	202	10.669	10.669	0.0	97	2019593	9.30	
158 Benzidine	184	10.765	10.765	0.0	99	880547	7.20	
160 Pyrene	202	10.866	10.866	0.0	98	2158127	9.21	
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	97	849524	8.84	
170 3,3'-Dimethoxybenzidine	244	12.022	12.022	0.0	92	272033	5.81	
172 4,4'-Methylene bis(2-chloroanili	231	12.059	12.059	0.0	69	317304	8.55	
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	68	733400	8.99	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	95	1232422	9.04	
175 Benzo[a]anthracene	228	12.107	12.107	0.0	95	1891704	9.23	
176 Chrysene	228	12.150	12.150	0.0	94	1781451	9.12	
178 Di-n-octyl phthalate	149	12.952	12.952	0.0	99	1889270	8.42	
180 Benzo[b]fluoranthene	252	13.551	13.551	0.0	96	1877744	9.41	
181 Benzo[k]fluoranthene	252	13.594	13.594	0.0	99	2033384	9.38	
182 Benzo[a]pyrene	252	14.038	14.038	0.0	76	1858520	9.03	
186 Indeno[1,2,3-cd]pyrene	276	15.723	15.723	0.0	97	2023403	8.96	
187 Dibenz(a,h)anthracene	278	15.750	15.750	0.0	68	1711548	8.88	
188 Benzo[g,h,i]perylene	276	16.135	16.135	0.0	95	1766099	9.87	
S 189 Methyl Phenols,Total	100				0		9.28	

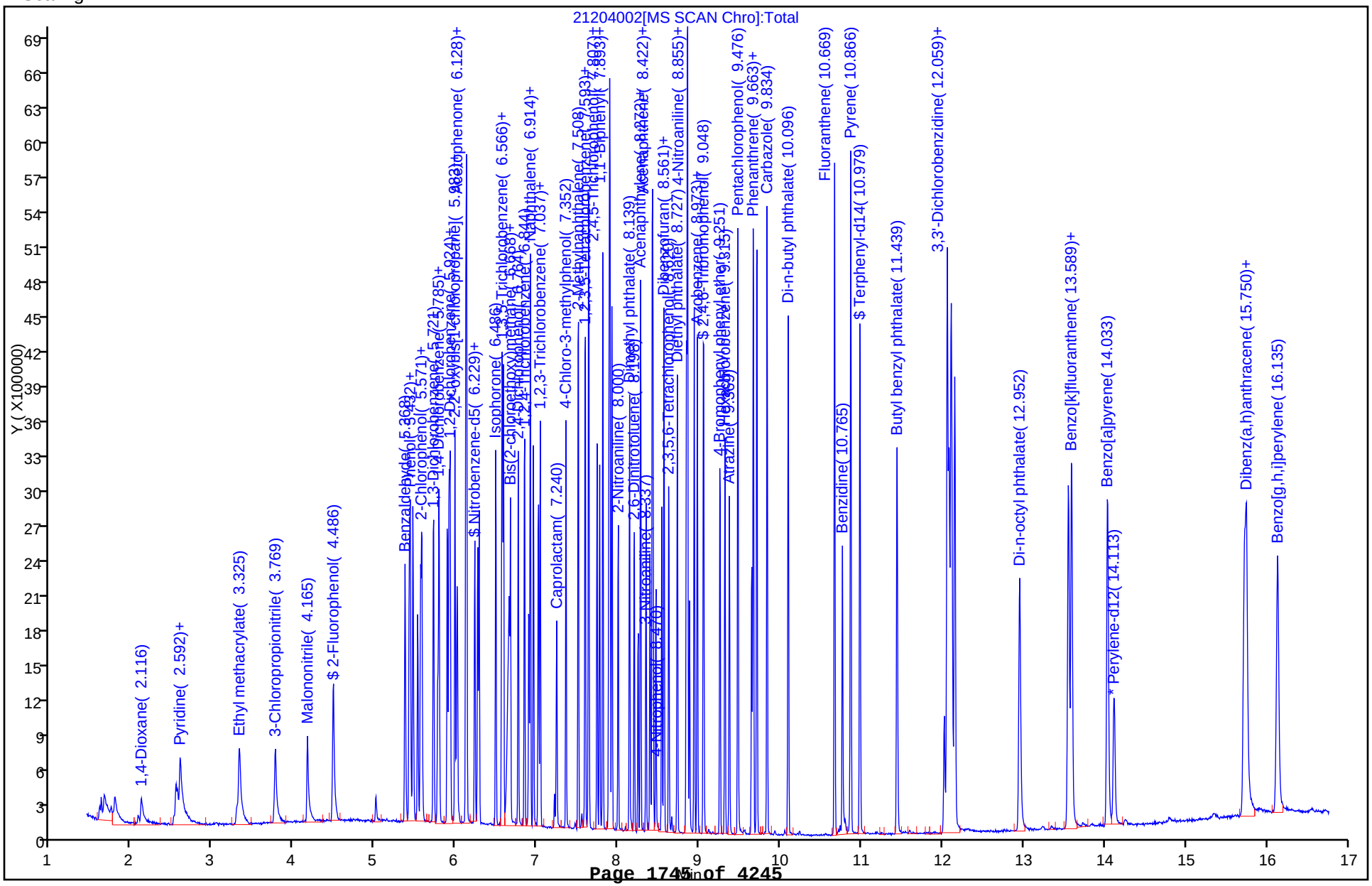
Report Date: 05-Dec-2012 08:15:38 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204002.D

Injection Date:	04-Dec-2012 09:21:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/04/2012 18:49

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: 21204026.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.043			0.115	0.100		
Phenol	Ave	1.674			0.0948	0.100		
Bis(2-chloroethyl)ether	Ave	1.293			0.0998	0.100		
2-Chlorophenol	Ave	1.352			0.0825	0.100		
1,3-Dichlorobenzene	Ave	1.457			0.0725	0.100		
1,4-Dichlorobenzene	Ave	1.448			0.0915	0.100		
Benzyl alcohol	Ave	0.8332			0.0631	0.100		
1,2-Dichlorobenzene	Ave	1.380			0.0991	0.100		
2-Methylphenol	Ave	1.220			0.0948	0.100		
3 & 4 Methylphenol	Ave	1.279			0.0930	0.100		
N-Nitrosodi-n-propylamine	Ave	0.9059			0.107	0.100		
Acetophenone	Ave	1.808			0.0859	0.100		
Hexachloroethane	Ave	0.5884			0.0970	0.100		
Nitrobenzene	Ave	0.3635			0.114	0.100		
Isophorone	Ave	0.6380			0.101	0.100		
2-Nitrophenol	Ave	0.1710			0.0920	0.100		
2,4-Dimethylphenol	Ave	0.3362			0.105	0.100		
Bis(2-chloroethoxy)methane	Ave	0.4052			0.0953	0.100		
2,4-Dichlorophenol	Ave	0.2657			0.0991	0.100		
1,2,4-Trichlorobenzene	Ave	0.3169			0.0970	0.100		
Naphthalene	Ave	0.999			0.0930	0.100		
Hexachlorobutadiene	Ave	0.1716			0.0868	0.100		
4-Chloro-3-methylphenol	Ave	0.2854			0.0877	0.100		
2-Methylnaphthalene	Ave	0.6393			0.108	0.100		
2,4,6-Trichlorophenol	Ave	0.3372			0.0874	0.100		
2,4,5-Trichlorophenol	Ave	0.3632			0.0904	0.100		
1,1'-Biphenyl	Ave	1.413			0.0979	0.100		
2-Chloronaphthalene	Ave	1.105			0.102	0.100		
2-Nitroaniline	Ave	0.3242			0.0771	0.100		
Dimethyl phthalate	Ave	1.175			0.0968	0.100		
Acenaphthylene	Ave	1.825			0.0922	0.100		
3-Nitroaniline	Ave	0.2941			0.0581	0.100		
Acenaphthene	Ave	1.097			0.0974	0.100		
Dibenzofuran	Ave	1.629			0.104	0.100		
Diethyl phthalate	Ave	1.228			0.0971	0.100		
4-Chlorophenyl phenyl ether	Ave	0.6187			0.104	0.100		
Fluorene	Ave	1.308			0.100	0.100		
4-Nitroaniline	Qua				0.357	0.100		
N-Nitrosodiphenylamine	Ave	0.5517			0.0824	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			0.0904	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/04/2012 18:49

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: 21204026.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			0.0864	0.100		
Hexachlorobenzene	Ave	0.2101			0.111	0.100		
Atrazine	Ave	0.1501			0.0875	0.100		
Phenanthrene	Ave	1.093			0.0898	0.100		
Anthracene	Ave	1.086			0.0892	0.100		
Carbazole	Ave	1.055			0.0765	0.100		
Di-n-butyl phthalate	Ave	1.185			0.0877	0.100		
Fluoranthene	Ave	1.207			0.0932	0.100		
Pyrene	Ave	1.276			0.0938	0.100		
Butyl benzyl phthalate	Qua				0.211	0.100		
Bis(2-ethylhexyl) phthalate	Qua				0.282	0.100		
Benzo[a]anthracene	Ave	1.116			0.0977	0.100		
Chrysene	Ave	1.064			0.0925	0.100		
Benzo[b]fluoranthene	Ave	1.276			0.0724	0.100		
Benzo[k]fluoranthene	Ave	1.387			0.0807	0.100		
Benzo[a]pyrene	Qua				0.194	0.100		
Indeno[1,2,3-cd]pyrene	Qua				0.152	0.100		
Dibenz(a,h)anthracene	Qua				0.237	0.100		
Benzo[g,h,i]perylene	Ave	1.145			0.0720	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-Nitrophenol	Ave	0.1694			0.00240	0.100		
Aniline	Ave	2.093			0.00240	0.100		
Benzidine	Qua				0.00240	0.100		
Benzoic acid	Qua				0.0100	0.200		
Caprolactam	Qua				0.000800	0.100		
Di-n-octyl phthalate	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			0.0864	0.100	86	35-105
Phenol-d5 (Surr)	Ave	1.570			0.0922	0.100	92	40-100

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/04/2012 18:49

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: 21204026.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			0.0975	0.100	98	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			0.0985	0.100	99	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			0.0360	0.100	36	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			0.0915	0.100	92	30-125

Report Date: 05-Dec-2012 14:18:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204026.D
Lims ID: mdll1 Client ID:
Inject. Date: 04-Dec-2012 18:49:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015502-026
Misc. Info.: mdll1
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 67225 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:48:03 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: XAWRK027

First Level Reviewer: gruberj Date: 05-Dec-2012 09:42:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.775	5.769	0.006	96	234297	4.00	
* 2 Naphthalene-d8	136	6.892	6.892	0.0	99	890153	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	90	520870	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	97	957239	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	958189	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	97	821980	4.00	
$ 7 2-Fluorophenol	112	4.486	4.486	0.0	1	6258	0.0864	M
$ 8 Phenol-d5	99	5.422	5.422	0.0	68	8474	0.0922	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	69	7633	0.0975	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	87	16646	0.0985	
$ 11 2,4,6-Tribromophenol	330	9.059	9.053	0.006	1	776	0.0360	M
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	84	16246	0.0915	
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					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					
24 1,4-Dioxane	88		2.116					9
25 N-Nitrosodimethylamine	74		2.544					9
26 Pyridine	79		2.592					
232 1-Methyl-2-pyrrilidinone	99		3.271					1
27 Ethyl methacrylate	69		3.325					9
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.769					
30 2-Picoline	93		3.964					9
31 N-Nitrosomethylethylamine	88		4.103					9
32 Malononitrile	66		4.165					
33 Acrylamide	71	4.363	4.349	0.014	1	198	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	5.373	5.368	0.005	63	7028	0.1151	
37 2-Methylcyclohexanone	68	5.379	5.376	0.003	1	136	0	
38 3-Methylcyclohexanone	69	5.416	5.414	0.002	1	1456	0	
41 Phenol	94	5.432	5.432	0.0	68	9297	0.0948	
39 4-Methylcyclohexanone	55	5.470	5.462	0.008	1	1501	0	
43 Aniline	93		5.464					9
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.529	5.523	0.006	79	7560	0.0998	
46 2-Chlorophenol	128	5.577	5.577	0.0	65	6537	0.0825	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.721	5.721	0.0	79	6189	0.0725	
48 1,4-Dichlorobenzene	146	5.785	5.785	0.0	47	7760	0.0915	
49 Benzyl alcohol	108	5.892	5.887	0.005	36	3080	0.0631	
50 1,2-Dichlorobenzene	146	5.924	5.924	0.0	70	8015	0.0991	
51 2-Methylphenol	108	5.983	5.983	0.0	75	6776	0.0948	
52 2,2'-oxybis[1-chloropropane]	45	6.010	6.010	0.0	63	12335	0.1110	
53 Indene	115		6.066					9
191 3 & 4 Methylphenol	108	6.117	6.117	0.0	89	6967	0.0930	
56 N-Nitrosodi-n-propylamine	70	6.122	6.122	0.0	73	5670	0.1069	
57 Acetophenone	105	6.133	6.128	0.005	83	9101	0.0859	
55 N-Nitrosopyrrolidine	100		6.216					
60 Hexachloroethane	117	6.229	6.229	0.0	64	3342	0.0970	
58 N-Nitrosomorpholine	56		6.248					
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77	6.283	6.283	0.0	67	9211	0.1139	
63 Isophorone	82	6.486	6.486	0.0	75	14352	0.1011	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.566	6.561	0.005	40	3502	0.0920	
66 1,3,5-Trichlorobenzene	180	6.572	6.572	0.0	82	7462	0.1057	
64 2,4-Dimethylphenol	107	6.588	6.582	0.006	40	7875	0.1052	
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93	6.668	6.668	0.0	73	8596	0.0953	
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162	6.764	6.764	0.0	64	5862	0.0991	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.844	6.844	0.0	71	6839	0.0970	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.914	6.914	0.0	55	20679	0.0930	
74 4-Chloroaniline	127	6.957	6.951	0.006	79	7964	0.0840	
77 Hexachlorobutadiene	225	7.010	7.015	-0.005	59	3315	0.0868	
78 1,2,3-Trichlorobenzene	180	7.037	7.037	0.0	69	7675	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					9
83 Caprolactam	113		7.240					9
80 Quinoline	129		7.259					
81 N-Nitrosodi-n-butylamine	84		7.328					9
84 4-Chloro-3-methylphenol	107	7.352	7.352	0.0	67	5570	0.0877	
82 p-Phenylene diamine	108		7.355					
85 2-Methylnaphthalene	142	7.508	7.508	0.0	82	15304	0.1076	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.593	7.593	0.0	70	13700	0.1012	
87 1,2,3,5-Tetrachlorobenzene	216	7.636	7.636	0.0	79	6763	0.0955	
88 Hexachlorocyclopentadiene	237		7.636					9
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	60	3837	0.0874	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	60	4275	0.0904	
94 2,4-Toluene diamine	121		7.882					9
96 1,2,3,4 -Tetrachlorobenzene	216	7.887	7.887	0.0	66	7685	0	
95 1,1'-Biphenyl	154	7.898	7.898	0.0	90	18015	0.0979	
98 2-Chloronaphthalene	162	7.919	7.919	0.0	84	14731	0.1024	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65	8.000	8.000	0.0	46	3256	0.0771	
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163	8.139	8.139	0.0	94	14805	0.0968	
101 1,4-Naphthoquinone	158		8.168					
105 2,6-Dinitrotoluene	165		8.198					
102 1,4-Dinitrobenzene	168		8.211					9
106 1,2-Dinitrobenzene	168	8.246	8.246	0.0	63	1385	0.0816	
107 Acenaphthylene	152	8.272	8.272	0.0	80	21901	0.0922	
104 1,3-Dinitrobenzene	168		8.275					9
108 3-Nitroaniline	138	8.353	8.342	0.011	59	2223	0.0581	
110 Acenaphthene	153	8.417	8.417	0.0	81	13920	0.0974	
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					
114 Dibenzofuran	168	8.561	8.561	0.0	71	22044	0.1040	
115 2,3,5,6-Tetrachlorophenol	232		8.620					9
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.727	8.727	0.0	90	15531	0.0971	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
118 2-Naphthylamine	143		8.799					
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	84	8365	0.1038	
124 Fluorene	166	8.855	8.850	0.005	80	17086	0.1003	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.861	8.855	0.006	18	3267	0.3572	
126 4,6-Dinitro-2-methylphenol	198		8.877					
120 Thionazin	97		8.901					9
130 N-Nitrosodiphenylamine	169	8.936	8.936	0.0	0	10878	0.0824	
122 N-Nitro-o-toluidine	152		8.954					9
131 Azobenzene	77	8.973	8.973	0.0	83	16849	0.0904	
129 1,2-Diphenylhydrazine	77	8.973	8.973	0.0	0	16849	0.0904	
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	54	4220	0.0864	
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					
139 Hexachlorobenzene	284	9.315	9.315	0.0	71	5601	0.1114	
230 Diallate Peak 2	86		9.356					
140 Atrazine	200	9.369	9.369	0.0	56	3142	0.0875	
138 Dimethoate	87		9.430					
141 Pentachlorophenol	266		9.476					9
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.663	9.663	0.0	93	23483	0.0898	
147 Anthracene	178	9.711	9.711	0.0	89	23183	0.0892	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167	9.834	9.834	0.0	84	19321	0.0765	
148 DFTPP								
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	96	24860	0.0877	
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
156 Isodrin	66		10.655					
157 Fluoranthene	202	10.669	10.669	0.0	91	26916	0.0932	
158 Benzidine	184		10.765					
160 Pyrene	202	10.867	10.866	0.001	96	28690	0.0938	
164 4,4'-DDE	246		10.925					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
163 4,4'-DDD	235		11.246					9
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	79	10786	0.2111	
165 Famphur	218		11.522					
168 4,4'-DDT	235		11.551					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244		12.022					9
172 4,4'-Methylene bis(2-chloroanili	231		12.059					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252		12.059					9
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	83	15949	0.2825	
175 Benzo[a]anthracene	228	12.107	12.107	0.0	44	26126	0.0977	
176 Chrysene	228	12.150	12.150	0.0	59	23574	0.0925	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149		12.952					9
180 Benzo[b]fluoranthene	252	13.557	13.551	0.006	83	18991	0.0724	
181 Benzo[k]fluoranthene	252	13.594	13.594	0.0	65	22993	0.0807	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	14.038	14.038	0.0	59	21609	0.1943	
183 3-Methylcholanthrene	268		14.774					
184 Dibenz[a,j]acridine	279		15.501					
185 Dibenz[a,h]acridine	279		15.576					
186 Indeno[1,2,3-cd]pyrene	276	15.739	15.723	0.016	1	20749	0.1522	M
187 Dibenz(a,h)anthracene	278	15.744	15.750	-0.006	0	17521	0.2374	M
188 Benzo[g,h,i]perylene	276	16.130	16.135	-0.005	78	16941	0.0720	
S 189 Methyl Phenols,Total	100				0		0.0948	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	2.934	3.050	-0.116	1	271	0	
T 194 Octadecane (TIC)	254	14.792	6.300	8.492	94	22323	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

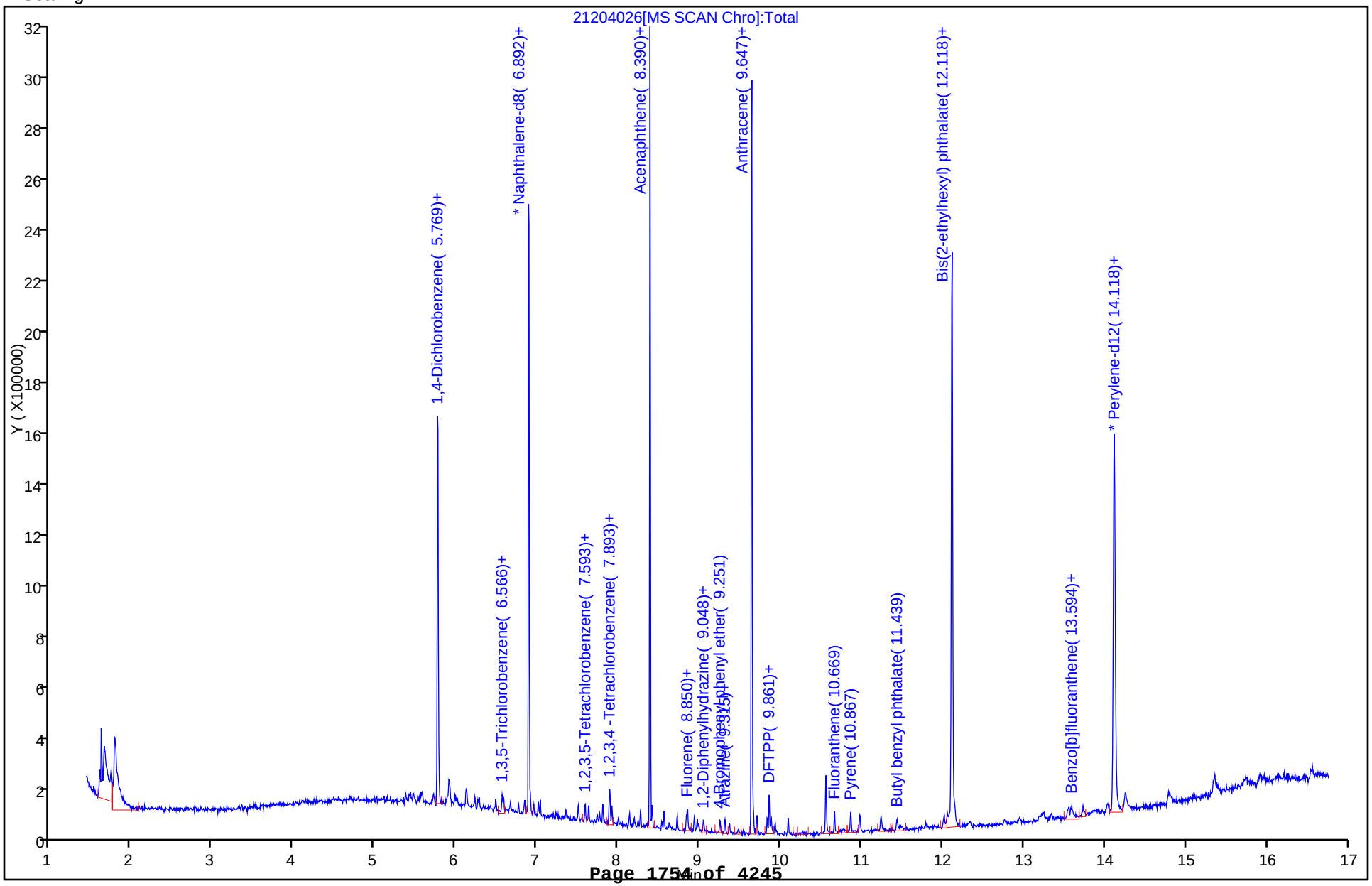
Report Date: 05-Dec-2012 14:18:15 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204026.D

Injection Date:	04-Dec-2012 18:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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

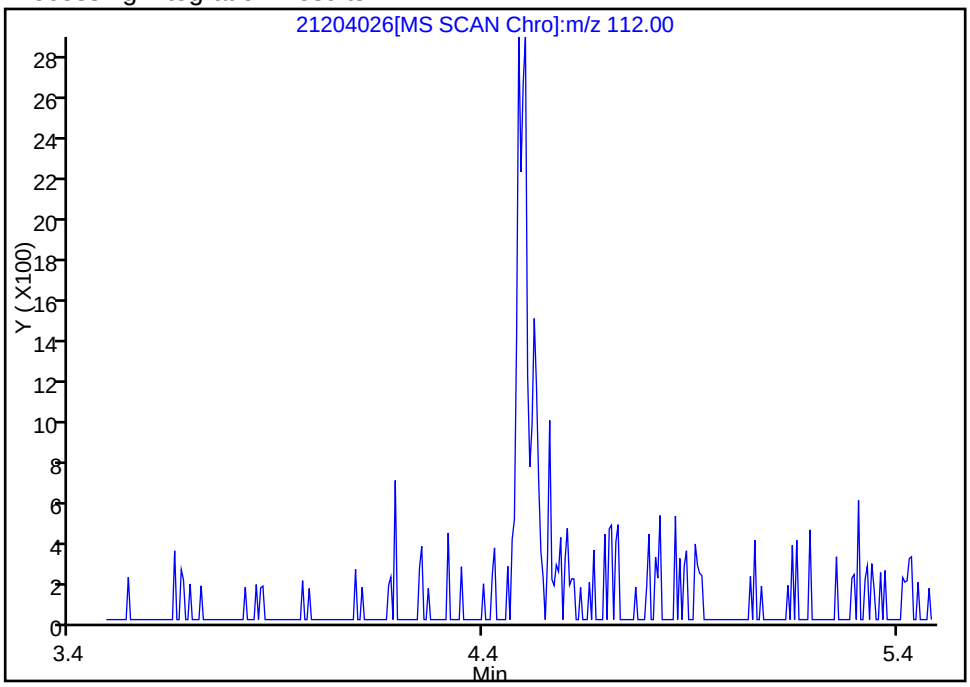
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204026.D		
Injection Date:	04-Dec-2012 18:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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: 4.49

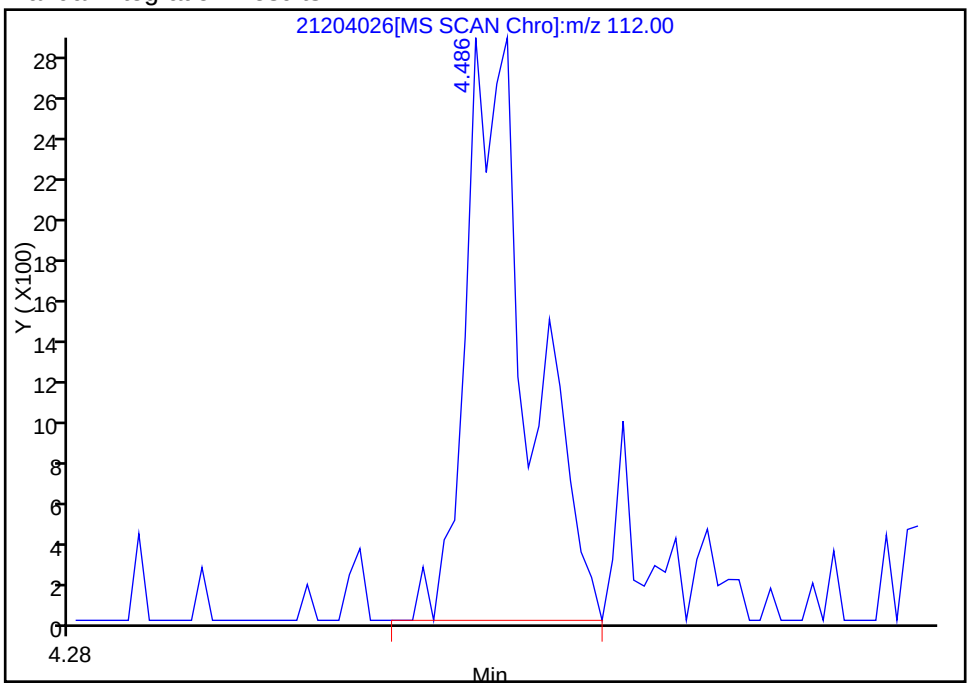
Processing Integration Results

Not Detected
Expected RT: 4.49



Manual Integration Results

RT: 4.49
Response: 6258
Amount: 0.086407



Reviewer: gruberj, 05-Dec-2012 09:42:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

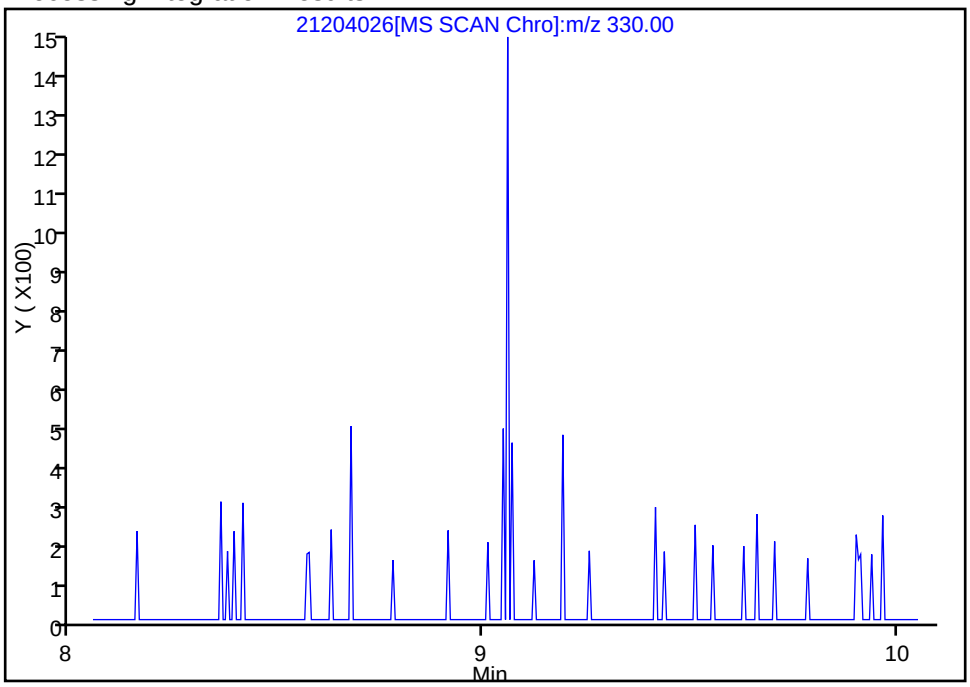
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204026.D		
Injection Date:	04-Dec-2012 18:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	26
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 9.05

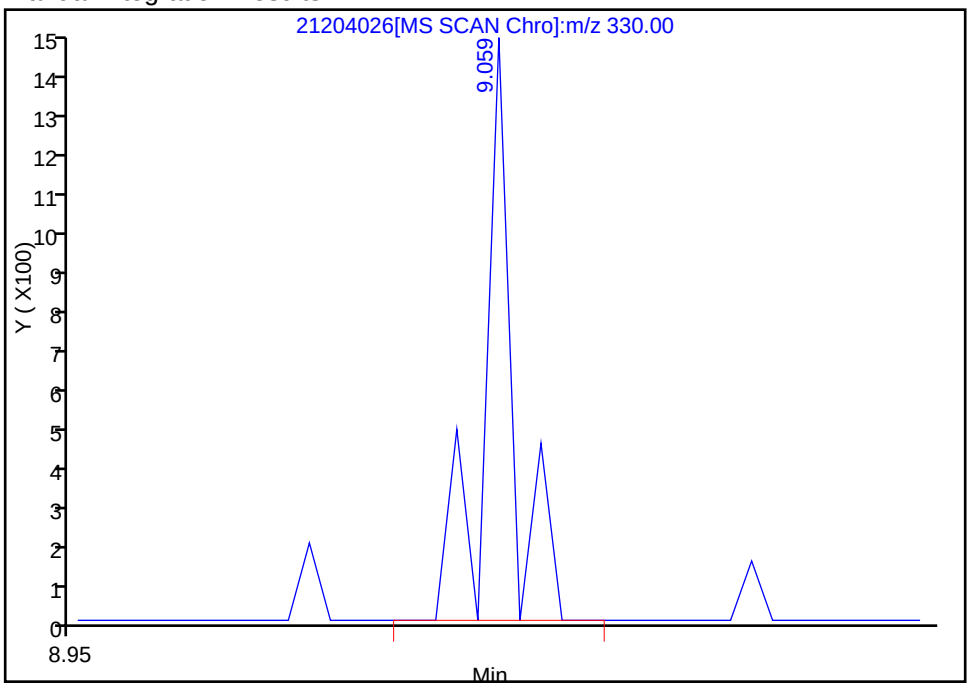
Processing Integration Results

Not Detected
Expected RT: 9.05



Manual Integration Results

RT: 9.06
Response: 776
Amount: 0.036014



Reviewer: gruberj, 05-Dec-2012 09:42:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

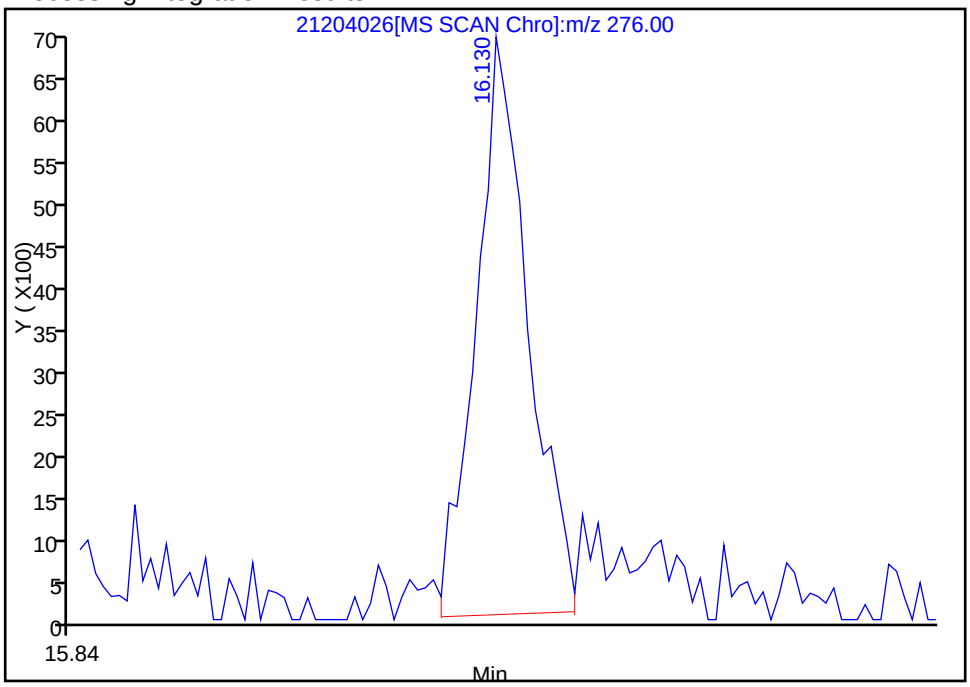
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204026.D		
Injection Date:	04-Dec-2012 18:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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: 15.72

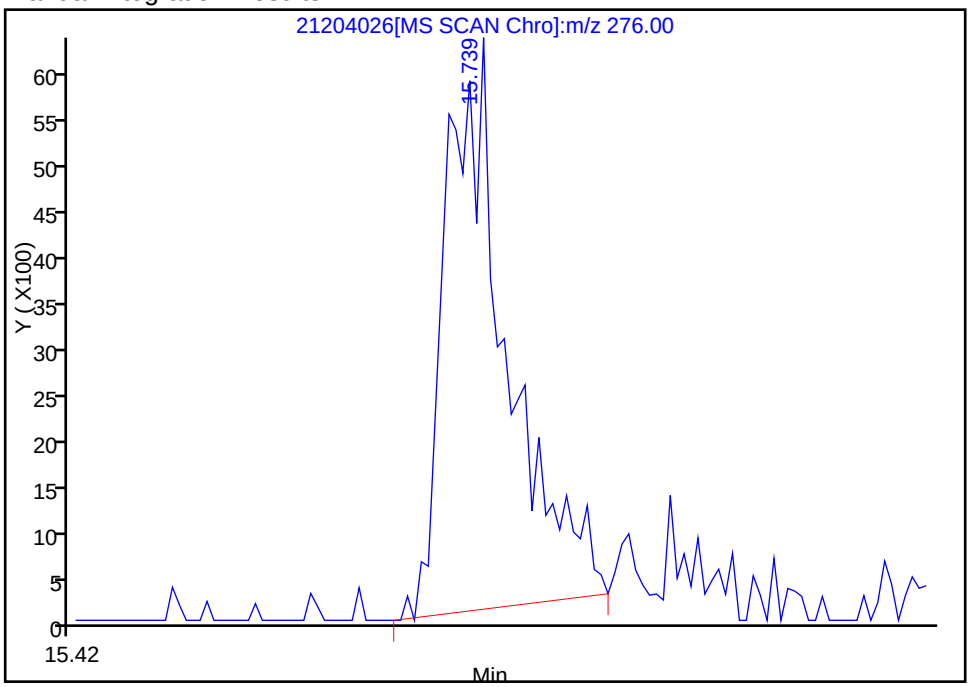
Processing Integration Results

RT: 16.13
Response: 16941
Amount: 0.139146



Manual Integration Results

RT: 15.74
Response: 20749
Amount: 0.152202



Reviewer: gruberj, 05-Dec-2012 12:53:22
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

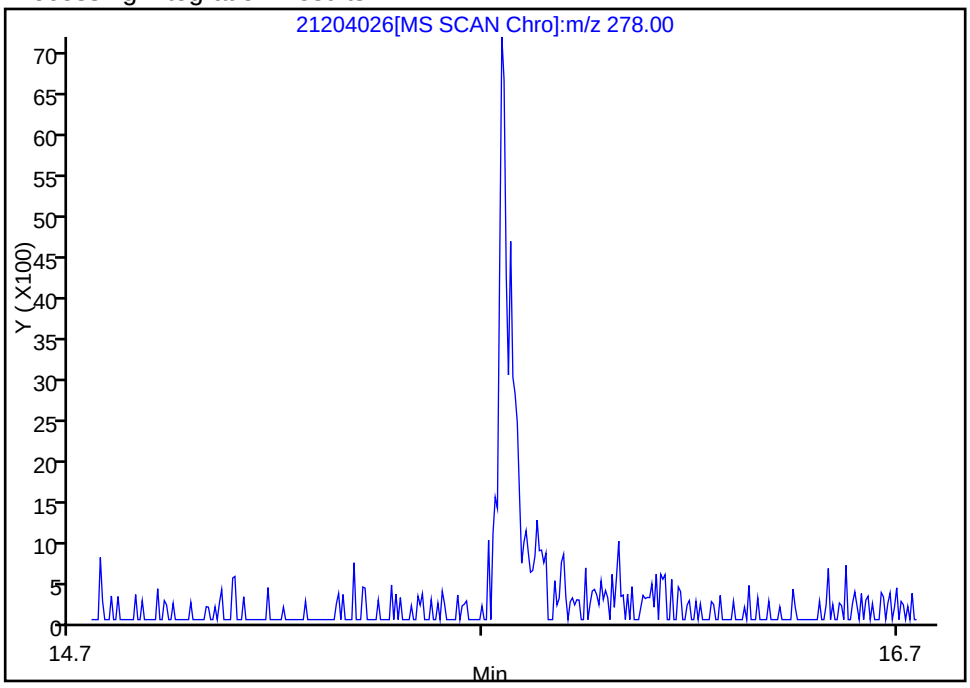
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204026.D		
Injection Date:	04-Dec-2012 18:49:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	26
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: 15.75

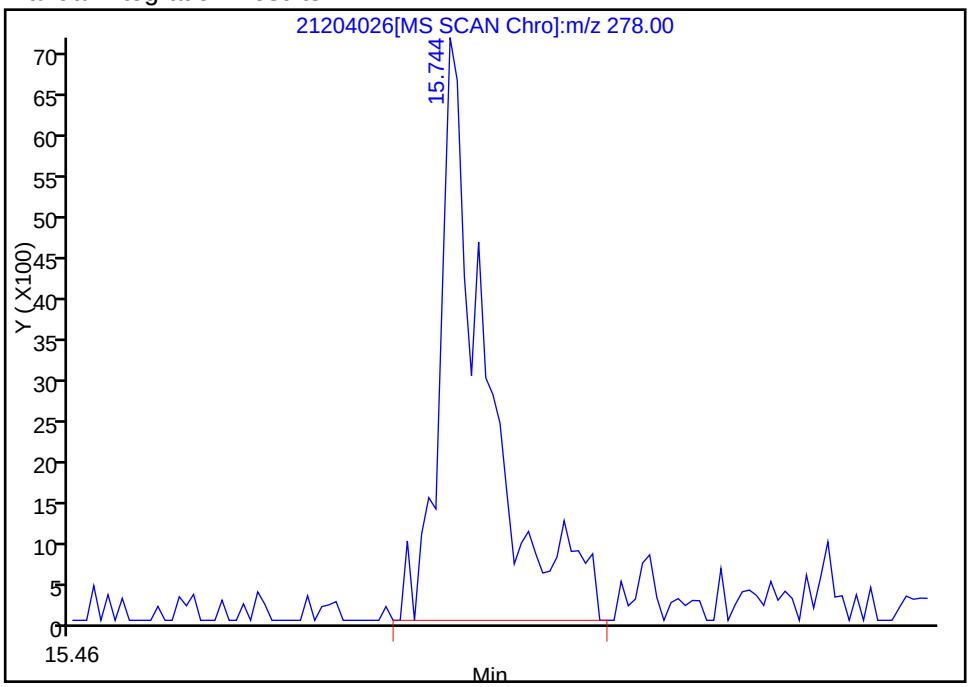
Processing Integration Results

Not Detected
Expected RT: 15.75



Manual Integration Results

RT: 15.74
Response: 17521
Amount: 0.237409



Reviewer: gruberj, 05-Dec-2012 12:53:22
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/04/2012 19:13

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: 21204027.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			0.307	0.500		
N-Nitrosodimethylamine	Qua				0.626	0.500		
Pyridine	Ave	1.330			0.238	0.500		
Benzaldehyde	Ave	1.043			0.531	0.500		
Phenol	Ave	1.674			0.474	0.500		
Aniline	Ave	2.093			0.454	0.500		
Bis(2-chloroethyl)ether	Ave	1.293			0.496	0.500		
2-Chlorophenol	Ave	1.352			0.476	0.500		
1,3-Dichlorobenzene	Ave	1.457			0.472	0.500		
1,4-Dichlorobenzene	Ave	1.448			0.504	0.500		
Benzyl alcohol	Ave	0.8332			0.409	0.500		
1,2-Dichlorobenzene	Ave	1.380			0.489	0.500		
2-Methylphenol	Ave	1.220			0.474	0.500		
3 & 4 Methylphenol	Ave	1.279			0.439	0.500		
N-Nitrosodi-n-propylamine	Ave	0.9059			0.500	0.500		
Acetophenone	Ave	1.808			0.476	0.500		
Hexachloroethane	Ave	0.5884			0.517	0.500		
Nitrobenzene	Ave	0.3635			0.480	0.500		
Isophorone	Ave	0.6380			0.486	0.500		
2-Nitrophenol	Ave	0.1710			0.402	0.500		
2,4-Dimethylphenol	Ave	0.3362			0.496	0.500		
Benzoic acid	Qua				1.73	1.00		
Bis(2-chloroethoxy)methane	Ave	0.4052			0.501	0.500		
2,4-Dichlorophenol	Ave	0.2657			0.441	0.500		
1,2,4-Trichlorobenzene	Ave	0.3169			0.496	0.500		
Naphthalene	Ave	0.999			0.500	0.500		
Hexachlorobutadiene	Ave	0.1716			0.439	0.500		
Caprolactam	Qua				0.783	0.500		
4-Chloro-3-methylphenol	Ave	0.2854			0.416	0.500		
2-Methylnaphthalene	Ave	0.6393			0.500	0.500		
Hexachlorocyclopentadiene	Ave	0.3241			0.122	0.500		
2,4,6-Trichlorophenol	Ave	0.3372			0.405	0.500		
2,4,5-Trichlorophenol	Ave	0.3632			0.391	0.500		
1,1'-Biphenyl	Ave	1.413			0.472	0.500		
2-Chloronaphthalene	Ave	1.105			0.472	0.500		
2-Nitroaniline	Ave	0.3242			0.421	0.500		
Dimethyl phthalate	Ave	1.175			0.469	0.500		
2,6-Dinitrotoluene	Qua				0.753	0.500		
Acenaphthylene	Ave	1.825			0.470	0.500		
3-Nitroaniline	Ave	0.2941			0.418	0.500		
Acenaphthene	Ave	1.097			0.510	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/04/2012 19:13

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: 21204027.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			0.256	0.500		
2,4-Dinitrotoluene	Qua				0.720	0.500		
Dibenzofuran	Ave	1.629			0.455	0.500		
Diethyl phthalate	Ave	1.228			0.454	0.500		
4-Chlorophenyl phenyl ether	Ave	0.6187			0.531	0.500		
Fluorene	Ave	1.308			0.461	0.500		
4-Nitroaniline	Qua				0.662	0.500		
4,6-Dinitro-2-methylphenol	Qua				0.758	0.500		
N-Nitrosodiphenylamine	Ave	0.5517			0.434	0.500		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			0.441	0.500		
4-Bromophenyl phenyl ether	Ave	0.2040			0.480	0.500		
Hexachlorobenzene	Ave	0.2101			0.477	0.500		
Atrazine	Ave	0.1501			0.529	0.500		
Pentachlorophenol	Qua				0.856	1.00		
Phenanthrene	Ave	1.093			0.441	0.500		
Anthracene	Ave	1.086			0.463	0.500		
Carbazole	Ave	1.055			0.457	0.500		
Di-n-butyl phthalate	Ave	1.185			0.436	0.500		
Fluoranthene	Ave	1.207			0.480	0.500		
Benzidine	Qua				0.597	0.500		
Pyrene	Ave	1.276			0.474	0.500		
Butyl benzyl phthalate	Qua				0.515	0.500		
3,3'-Dichlorobenzidine	Qua				0.525	0.500		
Bis(2-ethylhexyl) phthalate	Qua				0.602	0.500		
Benzo[a]anthracene	Ave	1.116			0.473	0.500		
Chrysene	Ave	1.064			0.473	0.500		
Di-n-octyl phthalate	Qua				0.603	0.500		
Benzo[b]fluoranthene	Ave	1.276			0.416	0.500		
Benzo[k]fluoranthene	Ave	1.387			0.480	0.500		
Benzo[a]pyrene	Qua				0.539	0.500		
Indeno[1,2,3-cd]pyrene	Qua				0.431	0.500		
Dibenz(a,h)anthracene	Qua				0.448	0.500		
Benzo[g,h,i]perylene	Ave	1.145			0.347	0.500		
2-Fluorophenol (Surr)	Ave	1.236			0.448	0.500	90	35-105
Phenol-d5 (Surr)	Ave	1.570			0.465	0.500	93	40-100
Nitrobenzene-d5 (Surr)	Ave	0.3517			0.500	0.500	100	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			0.494	0.500	99	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			0.432	0.500	86	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			0.474	0.500	95	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204027.D
Lims ID: mdll2 Client ID:
Inject. Date: 04-Dec-2012 19:13:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015502-027
Misc. Info.: mdll2
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 67225 Lims Sample ID: 27
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:48:03 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: XAWRK027

First Level Reviewer: gruberj Date: 05-Dec-2012 11:35:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.769	5.769	0.0	96	223638	4.00	
* 2 Naphthalene-d8	136	6.892	6.892	0.0	99	861624	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	92	511214	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	97	918520	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	937715	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	91	799991	4.00	
$ 7 2-Fluorophenol	112	4.491	4.486	0.005	82	30977	0.4481	
$ 8 Phenol-d5	99	5.422	5.422	0.0	94	40829	0.4652	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	88	37882	0.5001	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	98	81893	0.4938	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	76	9135	0.4320	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	97	82244	0.4736	
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					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					
24 1,4-Dioxane	88	2.121	2.116	0.005	81	7958	0.3066	
25 N-Nitrosodimethylamine	74	2.560	2.544	0.016	85	11943	0.6257	
26 Pyridine	79	2.624	2.592	0.032	90	17709	0.2381	
232 1-Methyl-2-pyrrilidinone	99	3.325	3.271	0.054	0	3601	0	
27 Ethyl methacrylate	69	3.336	3.325	0.011	69	31270	0.5060	M
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.780	3.769	0.011	88	15924	0.3861	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.186	4.165	0.021	66	32654	0.4197	M
33 Acrylamide	71	4.314	4.349	-0.035	8	210	0	
34 Methyl methanesulfonate	80		4.451					
29 3-Picoline	93		4.510					9
233 n,n'-Dimethylacetamide	44		4.536					1
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77	5.368	5.368	0.0	91	30938	0.5306	
37 2-Methylcyclohexanone	68	5.373	5.376	-0.003	3	201	0	
38 3-Methylcyclohexanone	69	5.422	5.414	0.008	22	5613	0	
41 Phenol	94	5.432	5.432	0.0	95	44361	0.4741	
39 4-Methylcyclohexanone	55	5.432	5.462	-0.030	2	4646	0	
43 Aniline	93	5.464	5.464	0.0	85	53077	0.4535	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.523	5.523	0.0	89	35879	0.4964	
46 2-Chlorophenol	128	5.577	5.577	0.0	92	35979	0.4759	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.721	5.721	0.0	96	38465	0.4721	
48 1,4-Dichlorobenzene	146	5.785	5.785	0.0	85	40775	0.5038	
49 Benzyl alcohol	108	5.892	5.887	0.005	86	19067	0.4093	
50 1,2-Dichlorobenzene	146	5.924	5.924	0.0	91	37712	0.4886	
51 2-Methylphenol	108	5.983	5.983	0.0	95	32360	0.4744	
52 2,2'-oxybis[1-chloropropane]	45	6.010	6.010	0.0	89	50889	0.4798	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.117	6.117	0.0	93	31374	0.4388	
56 N-Nitrosodi-n-propylamine	70	6.122	6.122	0.0	91	25342	0.5004	
57 Acetophenone	105	6.128	6.128	0.0	86	48111	0.4760	
55 N-Nitrosopyrrolidine	100		6.216					
60 Hexachloroethane	117	6.229	6.229	0.0	95	17007	0.5169	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77	6.283	6.283	0.0	88	37588	0.4801	
63 Isophorone	82	6.486	6.486	0.0	96	66832	0.4863	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.561	6.561	0.0	86	14798	0.4017	
66 1,3,5-Trichlorobenzene	180	6.572	6.572	0.0	96	34679	0.5076	
64 2,4-Dimethylphenol	107	6.582	6.582	0.0	86	35940	0.4962	
69 Benzoic acid	122	6.614	6.652	-0.038	88	14881	1.73	
68 Bis(2-chloroethoxy)methane	93	6.668	6.668	0.0	97	43715	0.5008	
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162	6.764	6.764	0.0	89	25236	0.4409	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.844	6.844	0.0	92	33830	0.4956	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.914	6.914	0.0	95	107546	0.4995	
74 4-Chloroaniline	127	6.957	6.951	0.006	87	41262	0.4496	
77 Hexachlorobutadiene	225	7.015	7.015	0.0	94	16235	0.4391	
78 1,2,3-Trichlorobenzene	180	7.037	7.037	0.0	90	31991	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					9
79 Benzothiazole	135		7.195					
83 Caprolactam	113	7.235	7.240	-0.005	62	8364	0.7834	
80 Quinoline	129		7.259					
81 N-Nitrosodi-n-butylamine	84		7.328					9
84 4-Chloro-3-methylphenol	107	7.352	7.352	0.0	81	25586	0.4162	
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.508	7.508	0.0	89	68805	0.4996	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.593	7.593	0.0	90	63821	0.4870	
87 1,2,3,5-Tetrachlorobenzene	216	7.636	7.636	0.0	96	34705	0.4995	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	41	5071	0.1224	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	86	17450	0.4050	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					14
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	93	18166	0.3913	
94 2,4-Toluene diamine	121	7.882	7.882	0.0	92	19621	0.4473	
96 1,2,3,4 -Tetrachlorobenzene	216	7.887	7.887	0.0	94	33323	0	
95 1,1'-Biphenyl	154	7.898	7.898	0.0	93	85308	0.4725	
98 2-Chloronaphthalene	162	7.919	7.919	0.0	93	66691	0.4724	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65	8.000	8.000	0.0	74	17427	0.4206	
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163	8.139	8.139	0.0	98	70342	0.4685	
101 1,4-Naphthoquinone	158		8.168					
105 2,6-Dinitrotoluene	165	8.198	8.198	0.0	87	12540	0.7526	
102 1,4-Dinitrobenzene	168		8.211					
106 1,2-Dinitrobenzene	168	8.240	8.246	-0.006	84	6579	0.3949	
107 Acenaphthylene	152	8.272	8.272	0.0	91	109541	0.4698	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.342	8.342	0.0	87	15725	0.4184	
110 Acenaphthene	153	8.417	8.417	0.0	90	71528	0.5101	
109 2,4-Dinitrophenol	184	8.433	8.427	0.006	1	2425	2.37	
111 4-Nitrophenol	109	8.465	8.465	0.0	66	5534	0.2556	
112 2,4-Dinitrotoluene	165	8.534	8.534	0.0	82	17862	0.7200	
114 Dibenzofuran	168	8.561	8.561	0.0	87	94778	0.4554	
115 2,3,5,6-Tetrachlorophenol	232	8.625	8.620	0.005	83	15525	0.4057	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.727	8.727	0.0	93	71278	0.4541	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
118 2-Naphthylamine	143		8.799					
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	91	41962	0.5307	
124 Fluorene	166	8.850	8.850	0.0	93	76976	0.4606	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.855	8.855	0.0	61	16200	0.6616	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	1	3067	0.7584	
120 Thionazin	97		8.901					
130 N-Nitrosodiphenylamine	169	8.936	8.936	0.0	0	54926	0.4336	
122 N-Nitro-o-toluidine	152		8.954					
131 Azobenzene	77	8.973	8.973	0.0	98	78636	0.4399	
129 1,2-Diphenylhydrazine	77	8.973	8.973	0.0	0	78798	0.4408	
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	61	22484	0.4799	
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
139 Hexachlorobenzene	284	9.315	9.315	0.0	84	22999	0.4767	
230 Diallate Peak 2	86		9.356					14
140 Atrazine	200	9.369	9.369	0.0	88	18226	0.5287	
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.476	9.476	0.0	79	15636	0.8558	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.663	9.663	0.0	87	110611	0.4408	
147 Anthracene	178	9.711	9.711	0.0	95	115376	0.4628	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167	9.834	9.834	0.0	82	110681	0.4570	
148 DFTPP								
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	118517	0.4357	
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
156 Isodrin	66		10.655					9
157 Fluoranthene	202	10.669	10.669	0.0	96	132948	0.4797	
158 Benzidine	184	10.765	10.765	0.0	89	31296	0.5971	
160 Pyrene	202	10.866	10.866	0.0	97	141698	0.4736	
164 4,4'-DDE	246		10.925					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
163 4,4'-DDD	235		11.246					
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	92	47124	0.5150	
165 Famphur	218		11.522					
168 4,4'-DDT	235		11.551					9
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	12.016	12.022	-0.006	63	8480	0.8477	
172 4,4'-Methylene bis(2-chloroanili	231	12.059	12.059	0.0	68	14430	0.4339	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	61	34516	0.5251	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	95	70696	0.6019	
175 Benzo[a]anthracene	228	12.102	12.107	-0.005	92	123826	0.4732	
176 Chrysene	228	12.150	12.150	0.0	89	117923	0.4728	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.952	12.952	0.0	90	78509	0.6028	
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	93	106099	0.4157	
181 Benzo[k]fluoranthene	252	13.589	13.594	-0.005	91	133118	0.4800	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	14.038	14.038	0.0	66	109889	0.5387	
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	15.734	15.723	0.011	93	99480	0.4313	M
187 Dibenz(a,h)anthracene	278	15.744	15.750	-0.006	72	69324	0.4482	
188 Benzo[g,h,i]perylene	276	16.130	16.135	-0.005	88	79566	0.3474	
S 189 Methyl Phenols,Total	100				0		0.4744	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.020	3.050	-0.030	1	65	0	
T 194 Octadecane (TIC)	254	15.354	6.300	9.054	86	34986	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

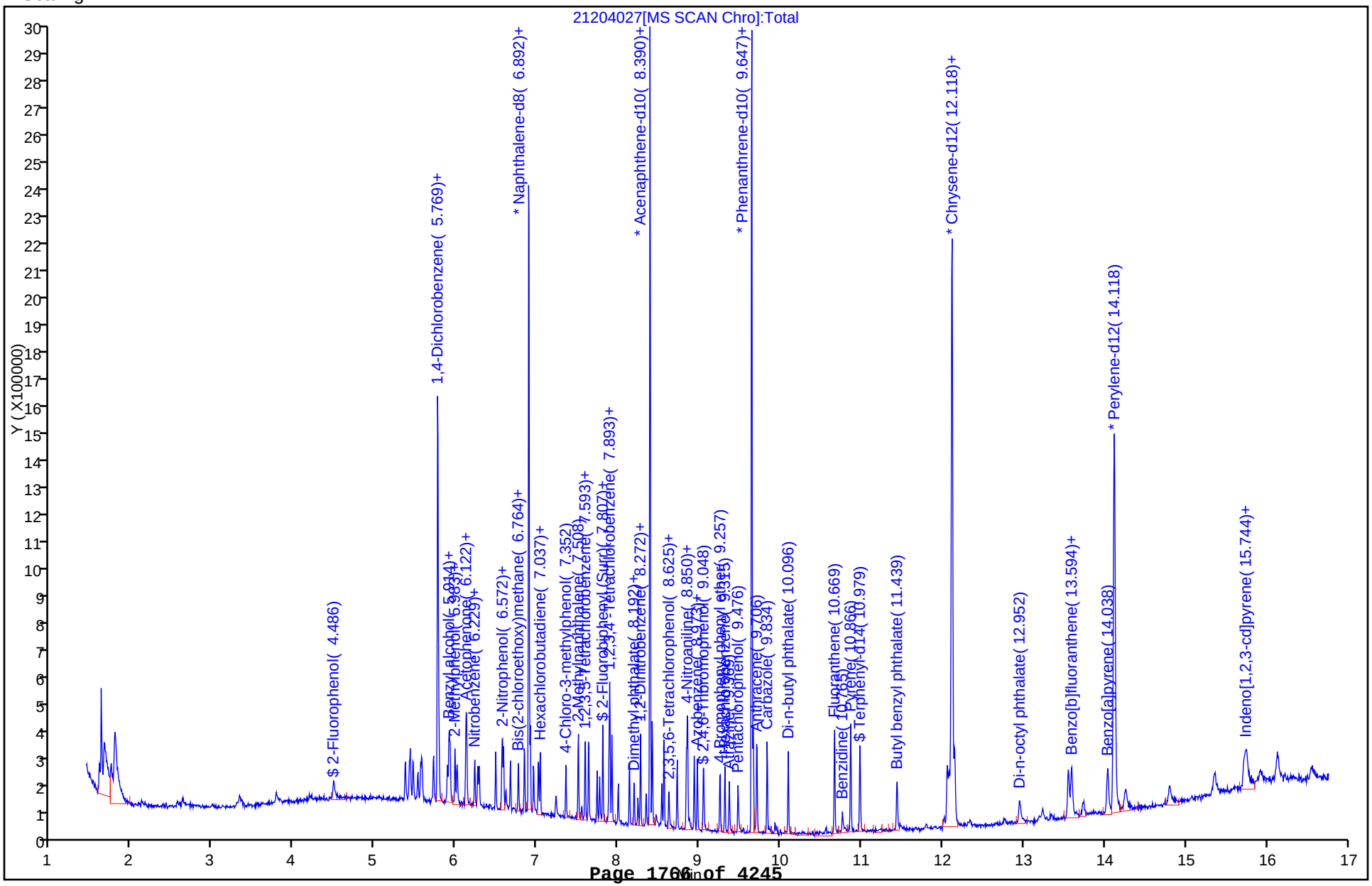
Report Date: 05-Dec-2012 14:18:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204027.D

Injection Date:	04-Dec-2012 19:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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

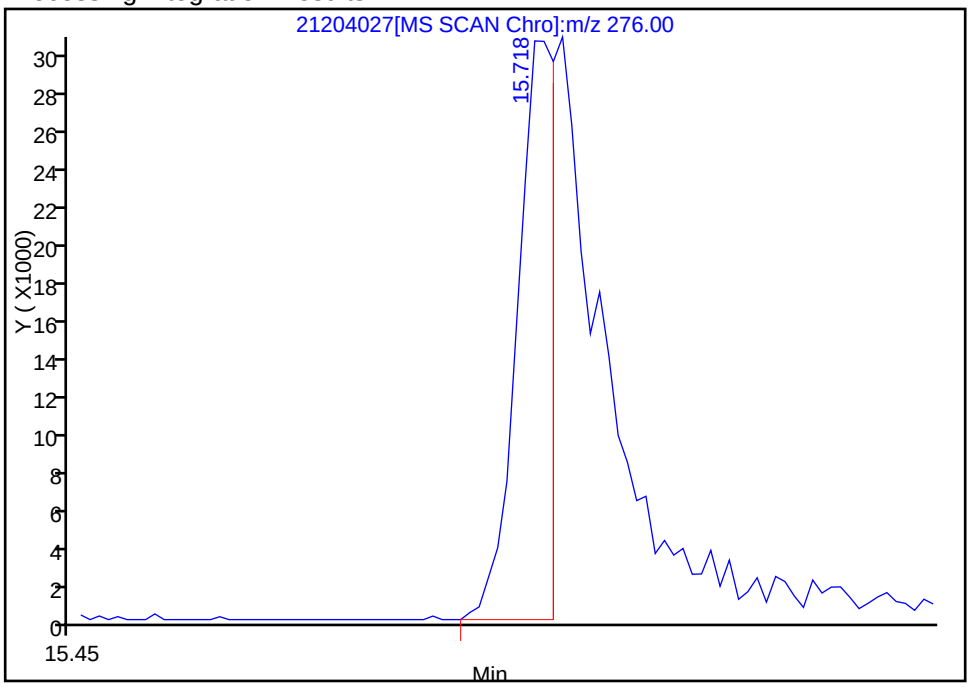
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204027.D		
Injection Date:	04-Dec-2012 19:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	27
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: 15.72

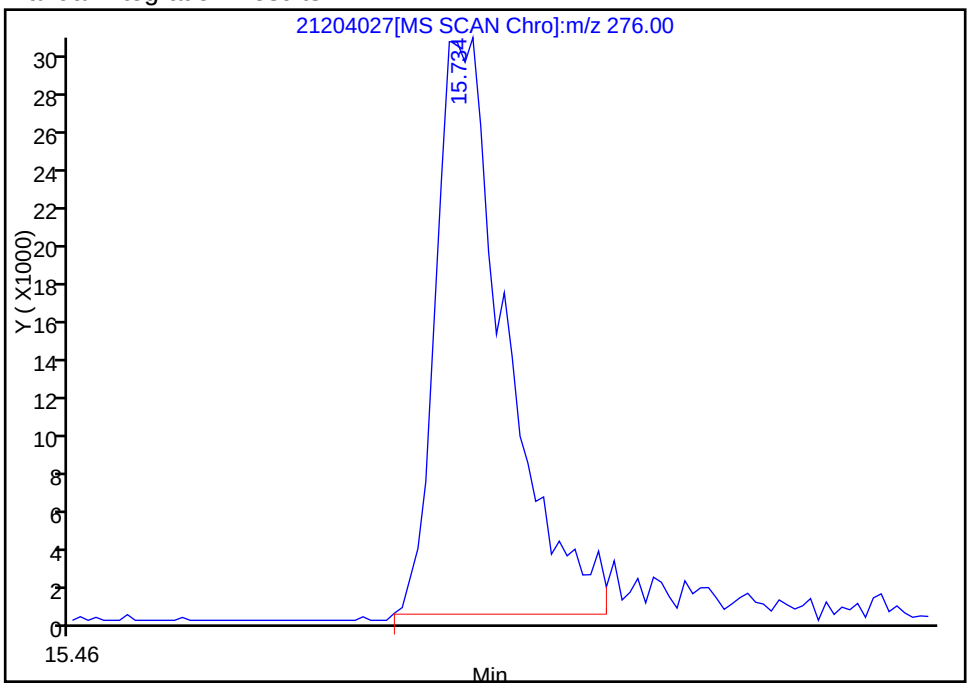
Processing Integration Results

RT: 15.72
Response: 45659
Amount: 0.241881



Manual Integration Results

RT: 15.73
Response: 99480
Amount: 0.431252



Reviewer: gruberj, 05-Dec-2012 13:23:36
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/04/2012 19:36

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: 21204028.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			0.663	1.00		
N-Nitrosodimethylamine	Qua				1.23	1.00		
Pyridine	Ave	1.330			0.813	1.00		
Benzaldehyde	Ave	1.043			1.10	1.00		
Phenol	Ave	1.674			0.880	1.00		
Aniline	Ave	2.093			0.896	1.00		
Bis(2-chloroethyl)ether	Ave	1.293			0.986	1.00		
2-Chlorophenol	Ave	1.352			0.951	1.00		
1,3-Dichlorobenzene	Ave	1.457			0.980	1.00		
1,4-Dichlorobenzene	Ave	1.448			0.997	1.00		
Benzyl alcohol	Ave	0.8332			0.837	1.00		
1,2-Dichlorobenzene	Ave	1.380			0.994	1.00		
2-Methylphenol	Ave	1.220			0.931	1.00		
3 & 4 Methylphenol	Ave	1.279			0.882	1.00		
N-Nitrosodi-n-propylamine	Ave	0.9059			1.01	1.00		
Acetophenone	Ave	1.808			0.942	1.00		
Hexachloroethane	Ave	0.5884			1.01	1.00		
Nitrobenzene	Ave	0.3635			1.02	1.00		
Isophorone	Ave	0.6380			0.985	1.00		
2-Nitrophenol	Ave	0.1710			0.897	1.00		
2,4-Dimethylphenol	Ave	0.3362			0.920	1.00		
Benzoic acid	Qua				2.25	2.00		
Bis(2-chloroethoxy)methane	Ave	0.4052			0.920	1.00		
2,4-Dichlorophenol	Ave	0.2657			0.938	1.00		
1,2,4-Trichlorobenzene	Ave	0.3169			1.00	1.00		
Naphthalene	Ave	0.999			1.01	1.00		
Hexachlorobutadiene	Ave	0.1716			1.05	1.00		
Caprolactam	Qua				1.11	1.00		
4-Chloro-3-methylphenol	Ave	0.2854			0.938	1.00		
2-Methylnaphthalene	Ave	0.6393			0.921	1.00		
Hexachlorocyclopentadiene	Ave	0.3241			0.333	1.00		
2,4,6-Trichlorophenol	Ave	0.3372			0.853	1.00		
2,4,5-Trichlorophenol	Ave	0.3632			0.852	1.00		
1,1'-Biphenyl	Ave	1.413			0.905	1.00		
2-Chloronaphthalene	Ave	1.105			0.898	1.00		
2-Nitroaniline	Ave	0.3242			0.927	1.00		
Dimethyl phthalate	Ave	1.175			0.950	1.00		
2,6-Dinitrotoluene	Qua				1.23	1.00		
Acenaphthylene	Ave	1.825			0.918	1.00		
3-Nitroaniline	Ave	0.2941			0.905	1.00		
Acenaphthene	Ave	1.097			0.957	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/04/2012 19:36

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: 21204028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				2.55	2.00		
4-Nitrophenol	Ave	0.1694			0.594	1.00		
2,4-Dinitrotoluene	Qua				1.19	1.00		
Dibenzofuran	Ave	1.629			0.913	1.00		
Diethyl phthalate	Ave	1.228			0.976	1.00		
4-Chlorophenyl phenyl ether	Ave	0.6187			1.02	1.00		
Fluorene	Ave	1.308			0.922	1.00		
4-Nitroaniline	Qua				1.05	1.00		
4,6-Dinitro-2-methylphenol	Qua				0.967	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			0.884	1.00		
4-Bromophenyl phenyl ether	Ave	0.2040			0.897	1.00		
Hexachlorobenzene	Ave	0.2101			1.01	1.00		
Atrazine	Ave	0.1501			0.967	1.00		
Pentachlorophenol	Qua				1.57	2.00		
Phenanthrene	Ave	1.093			0.936	1.00		
Anthracene	Ave	1.086			0.935	1.00		
Carbazole	Ave	1.055			0.896	1.00		
Di-n-butyl phthalate	Ave	1.185			0.898	1.00		
Fluoranthene	Ave	1.207			0.971	1.00		
Benzidine	Qua				0.863	1.00		
Pyrene	Ave	1.276			0.900	1.00		
Butyl benzyl phthalate	Qua				0.959	1.00		
3,3'-Dichlorobenzidine	Qua				0.930	1.00		
Bis(2-ethylhexyl) phthalate	Qua				0.968	1.00		
Benzo[a]anthracene	Ave	1.116			0.934	1.00		
Chrysene	Ave	1.064			0.943	1.00		
Di-n-octyl phthalate	Qua				0.913	1.00		
Benzo[b]fluoranthene	Ave	1.276			0.851	1.00		
Benzo[k]fluoranthene	Ave	1.387			0.981	1.00		
Benzo[a]pyrene	Qua				0.952	1.00		
Indeno[1,2,3-cd]pyrene	Qua				0.819	1.00		
Dibenz(a,h)anthracene	Qua				0.808	1.00		
Benzo[g,h,i]perylene	Ave	1.145			0.794	1.00		
N-Nitrosodiphenylamine	Ave	0.5517			0.000800	1.00		
2-Fluorophenol (Surr)	Ave	1.236			0.805	1.00	81	35-105
Phenol-d5 (Surr)	Ave	1.570			0.997	1.00	100	40-100
Nitrobenzene-d5 (Surr)	Ave	0.3517			0.979	1.00	98	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			0.931	1.00	93	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			0.917	1.00	92	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			0.907	1.00	91	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204028.D		
Lims ID:	mdll3	Client ID:	
Inject. Date:	04-Dec-2012 19:36:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0015502-028		
Misc. Info.:	mdll3		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	67225	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:48:03	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:	XAWRK027		
First Level Reviewer: gruberj		Date:	05-Dec-2012 13:26:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.769	5.769	0.0	96	228193	4.00	
* 2 Naphthalene-d8	136	6.893	6.892	0.001	100	882320	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	92	528437	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	97	942631	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	97	975055	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	95	812626	4.00	
$ 7 2-Fluorophenol	112	4.486	4.486	0.0	89	56812	0.8054	
$ 8 Phenol-d5	99	5.422	5.422	0.0	84	89316	1.00	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	83	75951	0.9791	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	159545	0.9306	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	84	20037	0.9166	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	163781	0.9069	
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					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					
24 1,4-Dioxane	88	2.122	2.116	0.006	73	17569	0.6634	
25 N-Nitrosodimethylamine	74	2.560	2.544	0.016	85	40609	1.23	
26 Pyridine	79	2.614	2.592	0.022	66	61735	0.8135	
232 1-Methyl-2-pyrrilidinone	99	3.298	3.271	0.027	0	1577	0	
27 Ethyl methacrylate	69	3.330	3.325	0.005	78	47639	0.7555	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.774	3.769	0.005	85	31662	0.7525	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.175	4.165	0.010	67	44143	0.5561	
33 Acrylamide	71		4.349					
34 Methyl methanesulfonate	80		4.451					
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.534	4.536	-0.002	0	1628	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77	5.368	5.368	0.0	91	65371	1.10	
37 2-Methylcyclohexanone	68	5.374	5.376	-0.002	1	166	0	
38 3-Methylcyclohexanone	69	5.422	5.414	0.008	27	9765	0	
41 Phenol	94	5.432	5.432	0.0	98	84022	0.8800	
39 4-Methylcyclohexanone	55	5.432	5.462	-0.030	13	9301	0	
43 Aniline	93	5.465	5.464	0.0	91	106979	0.8959	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.523	5.523	0.0	94	72705	0.9858	
46 2-Chlorophenol	128	5.577	5.577	0.0	95	73342	0.9508	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.721	5.721	0.0	95	81475	0.9799	
48 1,4-Dichlorobenzene	146	5.785	5.785	0.0	81	82313	1.00	
49 Benzyl alcohol	108	5.892	5.887	0.005	93	39803	0.8374	
50 1,2-Dichlorobenzene	146	5.924	5.924	0.0	91	78289	0.99	
51 2-Methylphenol	108	5.983	5.983	0.0	95	64811	0.9312	
52 2,2'-oxybis[1-chloropropane]	45	6.010	6.010	0.0	90	108120	1.00	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.117	6.117	0.0	95	64357	0.8821	
56 N-Nitrosodi-n-propylamine	70	6.122	6.122	0.0	83	52067	1.01	
57 Acetophenone	105	6.128	6.128	0.0	91	97167	0.9421	
55 N-Nitrosopyrrolidine	100		6.216					
60 Hexachloroethane	117	6.229	6.229	0.0	92	33941	1.01	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77	6.283	6.283	0.0	82	81834	1.02	
63 Isophorone	82	6.486	6.486	0.0	95	138659	0.9853	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.561	6.561	0.0	94	33837	0.8969	
66 1,3,5-Trichlorobenzene	180	6.572	6.572	0.0	94	69576	0.99	
64 2,4-Dimethylphenol	107	6.582	6.582	0.0	93	68254	0.9203	
69 Benzoic acid	122	6.620	6.652	-0.032	85	42235	2.25	
68 Bis(2-chloroethoxy)methane	93	6.668	6.668	0.0	97	82225	0.9199	
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162	6.764	6.764	0.0	95	54996	0.9383	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.844	6.844	0.0	93	69922	1.00	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.914	6.914	0.0	95	221892	1.01	
74 4-Chloroaniline	127	6.951	6.951	0.0	79	82399	0.8768	
77 Hexachlorobutadiene	225	7.016	7.015	0.001	91	39883	1.05	
78 1,2,3-Trichlorobenzene	180	7.037	7.037	0.0	90	65869	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					9
83 Caprolactam	113	7.230	7.240	-0.010	67	17003	1.11	
80 Quinoline	129		7.259					
81 N-Nitrosodi-n-butylamine	84		7.328					
84 4-Chloro-3-methylphenol	107	7.353	7.352	0.001	93	59036	0.9377	
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.508	7.508	0.0	89	129823	0.9206	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.593	7.593	0.0	93	126400	0.9419	
87 1,2,3,5-Tetrachlorobenzene	216	7.636	7.636	0.0	94	69540	0.9682	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	52	14239	0.3325	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	91	37998	0.8531	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					9
225 Isosafrole Peak 1	162		7.767					
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	93	40861	0.8516	
94 2,4-Toluene diamine	121	7.882	7.882	0.0	93	38394	0.8548	
96 1,2,3,4 -Tetrachlorobenzene	216	7.887	7.887	0.0	95	70447	0	
95 1,1'-Biphenyl	154	7.898	7.898	0.0	95	168818	0.9045	
98 2-Chloronaphthalene	162	7.920	7.919	0.001	96	131079	0.8983	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65	8.000	8.000	0.0	79	39720	0.9273	
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163	8.139	8.139	0.0	98	147509	0.9505	
101 1,4-Naphthoquinone	158		8.168					
105 2,6-Dinitrotoluene	165	8.198	8.198	0.0	89	30849	1.23	
102 1,4-Dinitrobenzene	168		8.211					
106 1,2-Dinitrobenzene	168	8.240	8.246	-0.006	83	16388	0.9517	
107 Acenaphthylene	152	8.273	8.272	0.001	92	221371	0.9184	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.342	8.342	0.0	93	35159	0.9050	
110 Acenaphthene	153	8.417	8.417	0.0	92	138751	0.9572	
109 2,4-Dinitrophenol	184	8.433	8.427	0.006	14	7317	2.55	
111 4-Nitrophenol	109	8.465	8.465	0.0	90	13284	0.5937	
112 2,4-Dinitrotoluene	165	8.535	8.534	0.001	81	41562	1.19	
114 Dibenzofuran	168	8.561	8.561	0.0	88	196425	0.9130	
115 2,3,5,6-Tetrachlorophenol	232	8.626	8.620	0.006	84	32104	0.8116	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.727	8.727	0.0	97	158317	0.9758	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
118 2-Naphthylamine	143		8.799					
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	91	83577	1.02	
124 Fluorene	166	8.850	8.850	0.0	83	159353	0.9224	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.856	8.855	0.001	71	33874	1.05	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	44	9939	0.9673	
120 Thionazin	97		8.901					9
130 N-Nitrosodiphenylamine	169		8.936					
122 N-Nitro-o-toluidine	152		8.954					
131 Azobenzene	77	8.973	8.973	0.0	96	162105	0.8836	
129 1,2-Diphenylhydrazine	77	8.973	8.973	0.0	0	162105	0.8836	
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					9
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	61	43150	0.8975	
228 Diallate Peak 1	86		9.275					2
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
139 Hexachlorobenzene	284	9.316	9.315	0.001	86	49775	1.01	
230 Diallate Peak 2	86		9.356					2
140 Atrazine	200	9.369	9.369	0.0	87	34228	0.9674	
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.476	9.476	0.0	88	39878	1.57	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.663	9.663	0.0	90	241151	0.9364	
147 Anthracene	178	9.711	9.711	0.0	97	239109	0.9345	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167	9.834	9.834	0.0	82	222720	0.8961	
148 DFTPP								
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	250755	0.8983	
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
156 Isodrin	66		10.655					
157 Fluoranthene	202	10.669	10.669	0.0	97	276075	0.9707	
158 Benzidine	184	10.765	10.765	0.0	95	76404	0.8627	
160 Pyrene	202	10.867	10.866	0.001	97	279887	0.8996	
164 4,4'-DDE	246		10.925					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
163 4,4'-DDD	235		11.246					9
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	97	104782	0.9594	
165 Famphur	218		11.522					
168 4,4'-DDT	235		11.551					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	12.022	12.022	0.0	76	22531	1.05	
172 4,4'-Methylene bis(2-chloroanili	231	12.059	12.059	0.0	70	32393	0.7923	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	66	80322	0.9297	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	96	139336	0.9681	
175 Benzo[a]anthracene	228	12.108	12.107	0.001	92	254111	0.9339	
176 Chrysene	228	12.150	12.150	0.0	89	244620	0.9432	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.953	12.952	0.001	98	170193	0.9130	
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	95	220515	0.8506	
181 Benzo[k]fluoranthene	252	13.589	13.594	-0.005	97	276325	0.9810	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	14.038	14.038	0.0	74	220181	0.9517	
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	15.723	15.723	0.0	97	213229	0.8191	
187 Dibenz(a,h)anthracene	278	15.755	15.750	0.005	60	161013	0.8075	
188 Benzo[g,h,i]perylene	276	16.135	16.135	0.0	91	184767	0.7942	
S 189 Methyl Phenols,Total	100				0		0.9312	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.106	3.050	0.056	1	57	0	
T 194 Octadecane (TIC)	254	13.739	6.300	7.439	86	25616	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

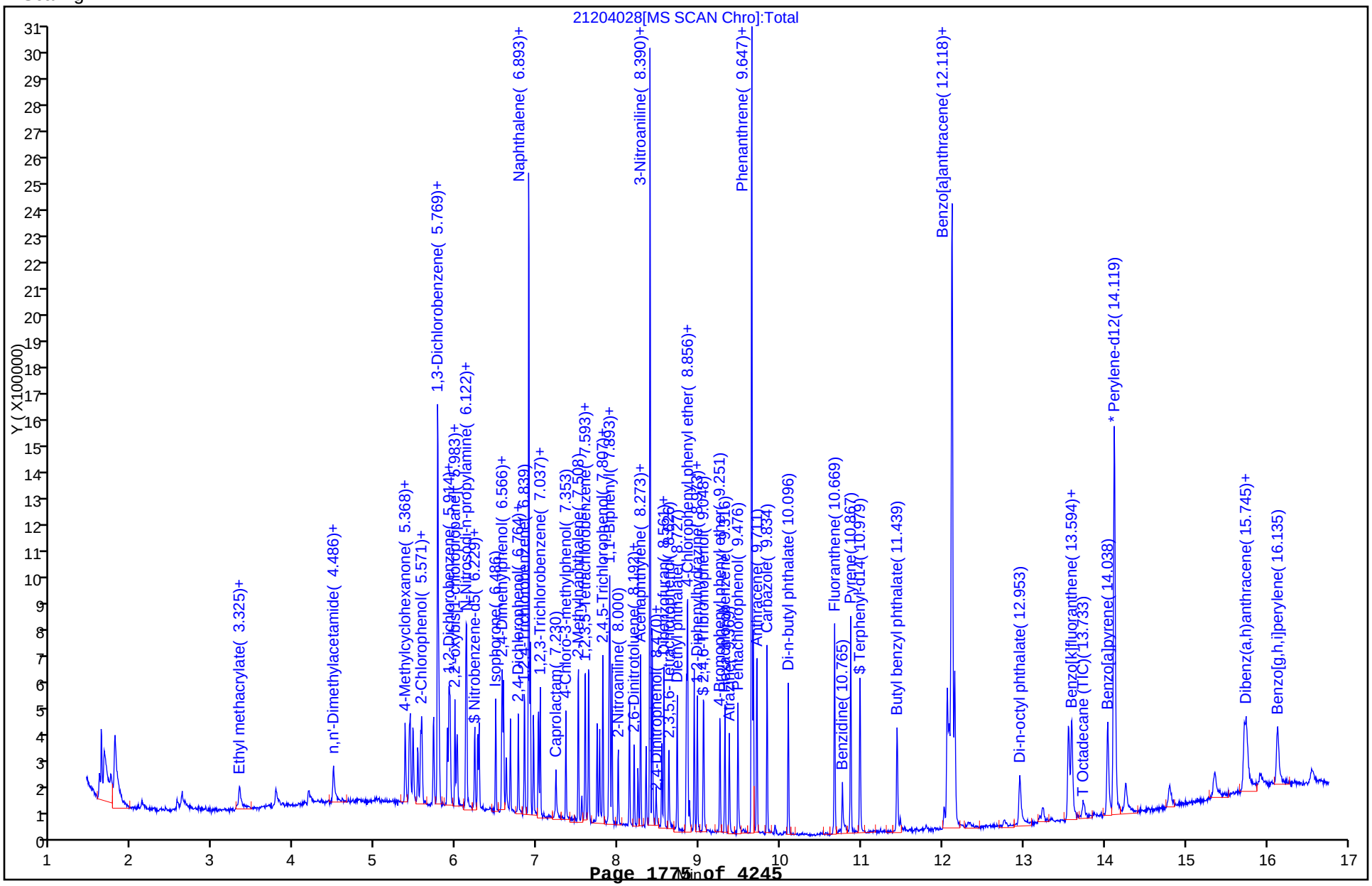
Report Date: 05-Dec-2012 14:18:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204028.D

Injection Date:	04-Dec-2012 19:36:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	28
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.: 240-17796-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/04/2012 20:00

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: 21204029.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			1.92	2.00		
N-Nitrosodimethylamine	Qua				2.00	2.00		
Pyridine	Ave	1.330			1.98	2.00		
Benzaldehyde	Ave	1.043			2.15	2.00		
Phenol	Ave	1.674			2.00	2.00		
Aniline	Ave	2.093			1.96	2.00		
Bis(2-chloroethyl)ether	Ave	1.293			2.00	2.00		
2-Chlorophenol	Ave	1.352			2.00	2.00		
1,3-Dichlorobenzene	Ave	1.457			2.01	2.00		
1,4-Dichlorobenzene	Ave	1.448			1.91	2.00		
Benzyl alcohol	Ave	0.8332			1.77	2.00		
1,2-Dichlorobenzene	Ave	1.380			2.03	2.00		
2-Methylphenol	Ave	1.220			2.05	2.00		
3 & 4 Methylphenol	Ave	1.279			1.98	2.00		
N-Nitrosodi-n-propylamine	Ave	0.9059			2.11	2.00		
Acetophenone	Ave	1.808			1.93	2.00		
Hexachloroethane	Ave	0.5884			2.02	2.00		
Nitrobenzene	Ave	0.3635			2.06	2.00		
Isophorone	Ave	0.6380			2.06	2.00		
2-Nitrophenol	Ave	0.1710			2.01	2.00		
2,4-Dimethylphenol	Ave	0.3362			2.01	2.00		
Benzoic acid	Qua				3.51	4.00		
Bis(2-chloroethoxy)methane	Ave	0.4052			1.97	2.00		
2,4-Dichlorophenol	Ave	0.2657			2.02	2.00		
1,2,4-Trichlorobenzene	Ave	0.3169			1.97	2.00		
Naphthalene	Ave	0.999			2.04	2.00		
Hexachlorobutadiene	Ave	0.1716			2.18	2.00		
Caprolactam	Qua				2.04	2.00		
4-Chloro-3-methylphenol	Ave	0.2854			2.08	2.00		
2-Methylnaphthalene	Ave	0.6393			2.02	2.00		
Hexachlorocyclopentadiene	Ave	0.3241			0.953	2.00		
2,4,6-Trichlorophenol	Ave	0.3372			1.95	2.00		
2,4,5-Trichlorophenol	Ave	0.3632			1.94	2.00		
1,1'-Biphenyl	Ave	1.413			1.99	2.00		
2-Chloronaphthalene	Ave	1.105			2.01	2.00		
2-Nitroaniline	Ave	0.3242			2.02	2.00		
Dimethyl phthalate	Ave	1.175			2.05	2.00		
2,6-Dinitrotoluene	Qua				2.28	2.00		
Acenaphthylene	Ave	1.825			1.99	2.00		
3-Nitroaniline	Ave	0.2941			1.96	2.00		
Acenaphthene	Ave	1.097			1.99	2.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll4 Calibration Date: 12/04/2012 20:00

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: 21204029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				3.20	4.00		
4-Nitrophenol	Ave	0.1694			1.65	2.00		
2,4-Dinitrotoluene	Qua				2.25	2.00		
Dibenzofuran	Ave	1.629			1.93	2.00		
Diethyl phthalate	Ave	1.228			2.05	2.00		
4-Chlorophenyl phenyl ether	Ave	0.6187			2.08	2.00		
Fluorene	Ave	1.308			2.06	2.00		
4-Nitroaniline	Qua				2.12	2.00		
4,6-Dinitro-2-methylphenol	Qua				1.70	2.00		
N-Nitrosodiphenylamine	Ave	0.5517			1.92	2.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			1.91	2.00		
4-Bromophenyl phenyl ether	Ave	0.2040			2.02	2.00		
Hexachlorobenzene	Ave	0.2101			2.17	2.00		
Atrazine	Ave	0.1501			2.08	2.00		
Pentachlorophenol	Qua				3.41	4.00		
Phenanthrene	Ave	1.093			1.92	2.00		
Anthracene	Ave	1.086			1.94	2.00		
Carbazole	Ave	1.055			1.93	2.00		
Di-n-butyl phthalate	Ave	1.185			1.97	2.00		
Fluoranthene	Ave	1.207			1.98	2.00		
Benzidine	Qua				1.64	2.00		
Pyrene	Ave	1.276			1.93	2.00		
Butyl benzyl phthalate	Qua				1.91	2.00		
3,3'-Dichlorobenzidine	Qua				1.91	2.00		
Bis(2-ethylhexyl) phthalate	Qua				1.99	2.00		
Benzo[a]anthracene	Ave	1.116			2.01	2.00		
Chrysene	Ave	1.064			1.98	2.00		
Di-n-octyl phthalate	Qua				1.80	2.00		
Benzo[b]fluoranthene	Ave	1.276			1.87	2.00		
Benzo[k]fluoranthene	Ave	1.387			1.96	2.00		
Benzo[a]pyrene	Qua				2.00	2.00		
Indeno[1,2,3-cd]pyrene	Qua				1.68	2.00		
Dibenz(a,h)anthracene	Qua				1.66	2.00		
Benzo[g,h,i]perylene	Ave	1.145			1.74	2.00		
2-Fluorophenol (Surr)	Ave	1.236			1.93	2.00	96	35-105
Phenol-d5 (Surr)	Ave	1.570			1.97	2.00	98	40-100
Nitrobenzene-d5 (Surr)	Ave	0.3517			2.07	2.00	103*	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			2.00	2.00	100	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			1.98	2.00	99	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			1.96	2.00	98	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204029.D
Lims ID: mdll4 Client ID:
Inject. Date: 04-Dec-2012 20:00:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015502-029
Misc. Info.: mdll4
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 67225 Lims Sample ID: 29
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 05-Dec-2012 13:48:03 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: XAWRK027

First Level Reviewer: gruberj Date: 05-Dec-2012 09:35:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.769	5.769	0.0	97	209711	4.00	
* 2 Naphthalene-d8	136	6.892	6.892	0.0	100	806847	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	89	467718	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	97	850341	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	93	871283	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	96	720902	4.00	
$ 7 2-Fluorophenol	112	4.486	4.486	0.0	84	125047	1.93	
$ 8 Phenol-d5	99	5.422	5.422	0.0	90	162041	1.97	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	82	146563	2.07	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	100	302901	2.00	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	89	38285	1.98	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	316782	1.96	
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					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					
24 1,4-Dioxane	88	2.116	2.116	0.0	81	46796	1.92	
25 N-Nitrosodimethylamine	74	2.555	2.544	0.011	81	70958	2.00	
26 Pyridine	79	2.603	2.592	0.011	95	138266	1.98	
232 1-Methyl-2-pyrrilidinone	99		3.271					12
27 Ethyl methacrylate	69	3.325	3.325	0.0	85	101694	1.75	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.769	3.769	0.0	89	71290	1.84	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					9
32 Malononitrile	66	4.170	4.165	0.005	98	121863	1.67	
33 Acrylamide	71	4.336	4.349	-0.013	1	238	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					9
233 n,n'-Dimethylacetamide	44		4.536					14
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77	5.368	5.368	0.0	95	117777	2.15	
37 2-Methylcyclohexanone	68	5.395	5.376	0.019	1	80	0	
38 3-Methylcyclohexanone	69	5.422	5.414	0.008	26	18528	0	
41 Phenol	94	5.432	5.432	0.0	99	175155	2.00	
39 4-Methylcyclohexanone	55	5.470	5.462	0.008	1	1170	0	
43 Aniline	93	5.464	5.464	0.0	88	215505	1.96	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.523	5.523	0.0	94	135278	2.00	
46 2-Chlorophenol	128	5.577	5.577	0.0	94	141789	2.00	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.721	5.721	0.0	95	153301	2.01	
48 1,4-Dichlorobenzene	146	5.785	5.785	0.0	88	144899	1.91	
49 Benzyl alcohol	108	5.892	5.887	0.005	90	77527	1.77	
50 1,2-Dichlorobenzene	146	5.924	5.924	0.0	94	147059	2.03	
51 2-Methylphenol	108	5.983	5.983	0.0	94	131125	2.05	
52 2,2'-oxybis[1-chloropropane]	45	6.010	6.010	0.0	90	205179	2.06	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.117	6.117	0.0	97	132456	1.98	
56 N-Nitrosodi-n-propylamine	70	6.122	6.122	0.0	89	100441	2.11	
57 Acetophenone	105	6.128	6.128	0.0	87	183047	1.93	
55 N-Nitrosopyrrolidine	100		6.216					
60 Hexachloroethane	117	6.229	6.229	0.0	91	62251	2.02	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77	6.283	6.283	0.0	83	150756	2.06	
63 Isophorone	82	6.486	6.486	0.0	97	265116	2.06	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.561	6.561	0.0	94	69464	2.01	
66 1,3,5-Trichlorobenzene	180	6.572	6.572	0.0	96	133746	2.09	
64 2,4-Dimethylphenol	107	6.582	6.582	0.0	93	136062	2.01	
69 Benzoic acid	122	6.625	6.652	-0.027	78	99508	3.51	
68 Bis(2-chloroethoxy)methane	93	6.668	6.668	0.0	97	161332	1.97	
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162	6.764	6.764	0.0	96	108306	2.02	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.839	6.844	-0.005	92	125997	1.97	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.914	6.914	0.0	97	410432	2.04	
74 4-Chloroaniline	127	6.951	6.951	0.0	84	165031	1.92	
77 Hexachlorobutadiene	225	7.015	7.015	0.0	87	75562	2.18	
78 1,2,3-Trichlorobenzene	180	7.037	7.037	0.0	91	123577	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					
83 Caprolactam	113	7.229	7.240	-0.011	69	37115	2.04	
80 Quinoline	129		7.259					9
81 N-Nitrosodi-n-butylamine	84		7.328					
84 4-Chloro-3-methylphenol	107	7.352	7.352	0.0	92	119773	2.08	
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.502	7.508	-0.006	91	260872	2.02	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.588	7.593	-0.005	91	256061	2.09	
87 1,2,3,5-Tetrachlorobenzene	216	7.636	7.636	0.0	97	130678	2.06	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	61	36119	0.9530	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	90	76996	1.95	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	94	82240	1.94	
94 2,4-Toluene diamine	121	7.882	7.882	0.0	97	89617	2.18	
96 1,2,3,4 -Tetrachlorobenzene	216	7.887	7.887	0.0	96	125492	0	
95 1,1'-Biphenyl	154	7.898	7.898	0.0	95	328863	1.99	
98 2-Chloronaphthalene	162	7.919	7.919	0.0	96	259157	2.01	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65	8.000	8.000	0.0	74	76738	2.02	
99 Phenyl ether	170		8.040					9
103 Dimethyl phthalate	163	8.139	8.139	0.0	98	281716	2.05	
101 1,4-Naphthoquinone	158		8.168					
105 2,6-Dinitrotoluene	165	8.197	8.198	-0.001	95	61685	2.28	
102 1,4-Dinitrobenzene	168		8.211					
106 1,2-Dinitrobenzene	168	8.246	8.246	0.0	90	30420	2.00	
107 Acenaphthylene	152	8.272	8.272	0.0	93	423514	1.99	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.342	8.342	0.0	89	67360	1.96	
110 Acenaphthene	153	8.417	8.417	0.0	92	254802	1.99	
109 2,4-Dinitrophenol	184	8.427	8.427	0.0	76	22620	3.20	
111 4-Nitrophenol	109	8.465	8.465	0.0	93	32716	1.65	
112 2,4-Dinitrotoluene	165	8.534	8.534	0.0	89	82850	2.25	
114 Dibenzofuran	168	8.561	8.561	0.0	88	367618	1.93	
115 2,3,5,6-Tetrachlorophenol	232	8.625	8.620	0.005	89	69667	1.99	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.727	8.727	0.0	98	294928	2.05	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
118 2-Naphthylamine	143		8.799					
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	92	150805	2.08	
124 Fluorene	166	8.850	8.850	0.0	93	314331	2.06	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.855	8.855	0.0	90	71515	2.12	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	79	30580	1.70	
120 Thionazin	97		8.901					9
130 N-Nitrosodiphenylamine	169	8.936	8.936	0.0	0	225669	1.92	
122 N-Nitro-o-toluidine	152		8.954					
131 Azobenzene	77	8.973	8.973	0.0	98	316629	1.91	
129 1,2-Diphenylhydrazine	77	8.973	8.973	0.0	0	316629	1.91	
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					9
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	62	87508	2.02	
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
139 Hexachlorobenzene	284	9.315	9.315	0.0	89	96931	2.17	
230 Diallate Peak 2	86		9.356					
140 Atrazine	200	9.369	9.369	0.0	90	66415	2.08	
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.476	9.476	0.0	86	91757	3.41	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.663	9.663	0.0	95	446649	1.92	
147 Anthracene	178	9.711	9.711	0.0	97	447721	1.94	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167	9.834	9.834	0.0	82	432773	1.93	
148 DFTPP								
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	497061	1.97	
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
156 Isodrin	66		10.655					9
157 Fluoranthene	202	10.669	10.669	0.0	98	508910	1.98	
158 Benzidine	184	10.765	10.765	0.0	99	183682	1.64	
160 Pyrene	202	10.866	10.866	0.0	98	535291	1.93	
164 4,4'-DDE	246		10.925					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
163 4,4'-DDD	235		11.246					9
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	98	200783	1.91	
165 Famphur	218		11.522					
168 4,4'-DDT	235		11.551					9
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	12.022	12.022	0.0	89	50272	1.53	
172 4,4'-Methylene bis(2-chloroanili	231	12.059	12.059	0.0	72	74591	1.84	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	72	168089	1.91	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	96	289714	1.99	
175 Benzo[a]anthracene	228	12.107	12.107	0.0	96	489622	2.01	
176 Chrysene	228	12.150	12.150	0.0	94	459639	1.98	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.952	12.952	0.0	99	383154	1.80	
180 Benzo[b]fluoranthene	252	13.551	13.551	0.0	91	429997	1.87	
181 Benzo[k]fluoranthene	252	13.594	13.594	0.0	95	489317	1.96	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	14.038	14.038	0.0	75	441103	2.00	
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	15.723	15.723	0.0	98	409931	1.68	
187 Dibenz(a,h)anthracene	278	15.750	15.750	0.0	69	334361	1.66	
188 Benzo[g,h,i]perylene	276	16.135	16.135	0.0	95	358198	1.74	
S 189 Methyl Phenols,Total	100				0		2.05	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.213	0.0	7.213	91	15559	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.057	3.050	0.007	1	154	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
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

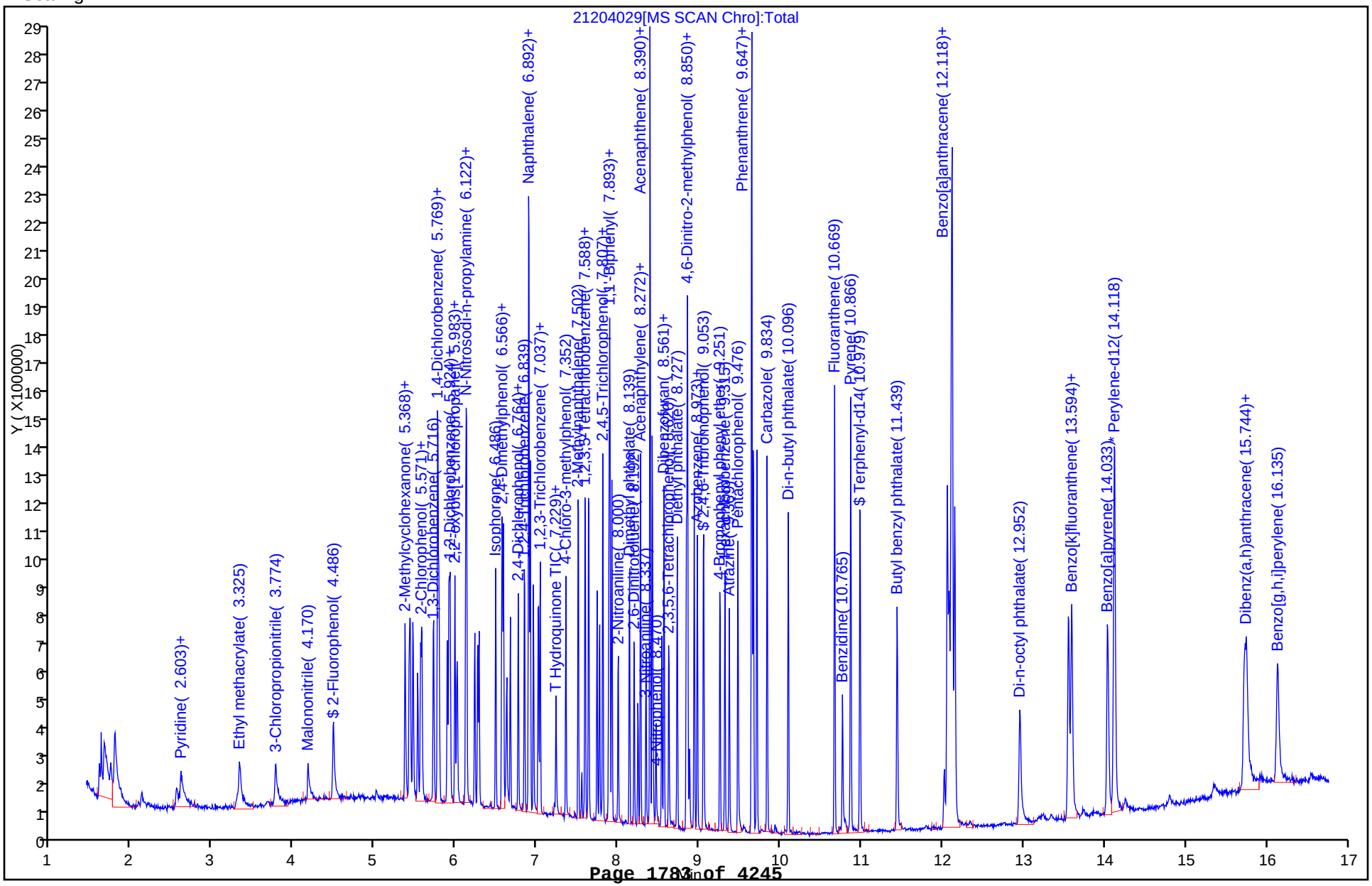
Report Date: 05-Dec-2012 14:18:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204029.D

Injection Date:	04-Dec-2012 20:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	29
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.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-67390/2 Calibration Date: 12/05/2012 09:33

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: 21205002.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	0.4972		10.7	10.0	7.1	
N-Nitrosodimethylamine	Qua		0.7265		9.12	10.0	-8.8	
Pyridine	Ave	1.330	1.339		10.1	10.0	0.6	
Benzaldehyde	Ave	1.043	0.9486		9.10	10.0	-9.0	
Phenol	Ave	1.674	1.593		9.52	10.0	-4.8	
Aniline	Ave	2.093	1.953		9.33	10.0	-6.7	
Bis(2-chloroethyl)ether	Ave	1.293	1.174		9.08	10.0	-9.2	
2-Chlorophenol	Ave	1.352	1.270		9.39	10.0	-6.1	
1,3-Dichlorobenzene	Ave	1.457	1.329		9.12	10.0	-8.8	
1,4-Dichlorobenzene	Ave	1.448	1.352		9.34	10.0	-6.6	
Benzyl alcohol	Ave	0.8332	0.7845		9.42	10.0	-5.8	
1,2-Dichlorobenzene	Ave	1.380	1.278		9.26	10.0	-7.4	
2-Methylphenol	Ave	1.220	1.126		9.23	10.0	-7.7	
3 & 4 Methylphenol	Ave	1.279	1.208		9.44	10.0	-5.6	
Acetophenone	Ave	1.808	1.649		9.12	10.0	-8.8	
N-Nitrosodi-n-propylamine	Ave	0.9059	0.8368		9.24	10.0	-7.6	
Hexachloroethane	Ave	0.5884	0.5457		9.27	10.0	-7.3	
Nitrobenzene	Ave	0.3635	0.3598		9.90	10.0	-1.0	
Isophorone	Ave	0.6380	0.6115		9.58	10.0	-4.2	
2-Nitrophenol	Ave	0.1710	0.1675		9.79	10.0	-2.1	
2,4-Dimethylphenol	Ave	0.3362	0.3296		9.80	10.0	-2.0	
Benzoic acid	Qua		0.1946		17.7	20.0	-11.7	
Bis(2-chloroethoxy)methane	Ave	0.4052	0.3802		9.38	10.0	-6.2	
2,4-Dichlorophenol	Ave	0.2657	0.2545		9.58	10.0	-4.2	
1,2,4-Trichlorobenzene	Ave	0.3169	0.2977		9.39	10.0	-6.1	
Naphthalene	Ave	0.999	0.9405		9.41	10.0	-5.9	
Hexachlorobutadiene	Ave	0.1716	0.1595		9.29	10.0	-7.1	
Caprolactam	Qua		0.0948		9.36	10.0	-6.4	
4-Chloro-3-methylphenol	Ave	0.2854	0.2806		9.83	10.0	-1.7	
2-Methylnaphthalene	Ave	0.6393	0.5961		9.32	10.0	-6.8	
Hexachlorocyclopentadiene	Ave	0.3241	0.2945		9.09	10.0	-9.1	
2,4,6-Trichlorophenol	Ave	0.3372	0.3403		10.1	10.0	0.9	
2,4,5-Trichlorophenol	Ave	0.3632	0.3570		9.83	10.0	-1.7	
1,1'-Biphenyl	Ave	1.413	1.309		9.27	10.0	-7.3	
2-Chloronaphthalene	Ave	1.105	1.033		9.36	10.0	-6.4	
2-Nitroaniline	Ave	0.3242	0.3289		10.1	10.0	1.4	
Dimethyl phthalate	Ave	1.175	1.112		9.46	10.0	-5.4	
2,6-Dinitrotoluene	Qua		0.2517		9.36	10.0	-6.4	
Acenaphthylene	Ave	1.825	1.718		9.42	10.0	-5.8	
3-Nitroaniline	Ave	0.2941	0.3015		10.3	10.0	2.5	
Acenaphthene	Ave	1.097	1.041		9.49	10.0	-5.1	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-67390/2 Calibration Date: 12/05/2012 09:33

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: 21205002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua		0.1663		18.2	20.0	-9.2	
4-Nitrophenol	Ave	0.1694	0.1671		9.86	10.0	-1.4	
2,4-Dinitrotoluene	Qua		0.3385		9.34	10.0	-6.6	
Dibenzofuran	Ave	1.629	1.517		9.31	10.0	-6.9	
Diethyl phthalate	Ave	1.228	1.156		9.41	10.0	-5.9	
4-Chlorophenyl phenyl ether	Ave	0.6187	0.5902		9.54	10.0	-4.6	
Fluorene	Ave	1.308	1.237		9.46	10.0	-5.4	
4-Nitroaniline	Qua		0.3085		9.58	10.0	-4.2	
4,6-Dinitro-2-methylphenol	Qua		0.1208		9.21	10.0	-7.9	
N-Nitrosodiphenylamine	Ave	0.5517	0.5005		9.07	10.0	-9.3	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785	0.7062		9.07	10.0	-9.3	
4-Bromophenyl phenyl ether	Ave	0.2040	0.1880		9.21	10.0	-7.9	
Hexachlorobenzene	Ave	0.2101	0.1996		9.50	10.0	-5.0	
Atrazine	Ave	0.1501	0.1459		9.72	10.0	-2.8	
Pentachlorophenol	Qua		0.1216		17.2	20.0	-14.2	
Phenanthrene	Ave	1.093	0.9593		8.78	10.0	-12.2	
Anthracene	Ave	1.086	1.017		9.37	10.0	-6.3	
Carbazole	Ave	1.055	0.9531		9.04	10.0	-9.6	
Di-n-butyl phthalate	Ave	1.185	1.097		9.26	10.0	-7.4	
Fluoranthene	Ave	1.207	1.109		9.19	10.0	-8.1	
Benzidine	Qua		0.6146		9.02	10.0	-9.8	
Pyrene	Ave	1.276	1.190		9.33	10.0	-6.7	
Butyl benzyl phthalate	Qua		0.4783		9.12	10.0	-8.8	
3,3'-Dichlorobenzidine	Qua		0.4026		9.06	10.0	-9.4	
Bis(2-ethylhexyl) phthalate	Qua		0.6678		9.00	10.0	-10.0	
Benzo[a]anthracene	Ave	1.116	1.030		9.23	10.0	-7.7	
Chrysene	Ave	1.064	0.9642		9.06	10.0	-9.4	
Di-n-octyl phthalate	Qua		1.267		8.80	10.0	-12.0	
Benzo[b]fluoranthene	Ave	1.276	1.208		9.47	10.0	-5.3	
Benzo[k]fluoranthene	Ave	1.387	1.263		9.11	10.0	-8.9	
Benzo[a]pyrene	Qua		1.178		8.95	10.0	-10.5	
Indeno[1,2,3-cd]pyrene	Qua		1.286		8.90	10.0	-11.0	
Dibenz(a,h)anthracene	Qua		1.067		8.66	10.0	-13.4	
Benzo[g,h,i]perylene	Ave	1.145	1.104		9.64	10.0	-3.6	
2-Fluorophenol (Surr)	Ave	1.236	1.175		9.50	10.0	-5.0	
Phenol-d5 (Surr)	Ave	1.570	1.498		9.54	10.0	-4.6	
Nitrobenzene-d5 (Surr)	Ave	0.3517	0.3425		9.74	10.0	-2.6	
2-Fluorobiphenyl (Surr)	Ave	1.298	1.216		9.37	10.0	-6.3	
2,4,6-Tribromophenol (Surr)	Ave	0.1655	0.1760		10.6	10.0	6.3	
Terphenyl-d14 (Surr)	Ave	0.7408	0.6829		9.22	10.0	-7.8	

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205002.D		
Lims ID:	ccv tcl	Client ID:	
Inject. Date:	05-Dec-2012 09:33:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	240-0015541-002		
Misc. Info.:	ccv tcl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	67390	Lims Sample ID:	2
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 08:50:09	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:	XAWRK028		
First Level Reviewer: gruberj		Date:	05-Dec-2012 10:00:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.730	5.730	0.0	96	184850	4.00	
* 2 Naphthalene-d8	136	6.859	6.859	0.0	99	690703	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	92	389088	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	98	693081	4.00	
* 5 Chrysene-d12	240	12.057	12.057	0.0	97	681845	4.00	
* 6 Perylene-d12	264	14.036	14.036	0.0	95	587908	4.00	
$ 7 2-Fluorophenol	112	4.430	4.430	0.0	93	542987	9.50	
$ 8 Phenol-d5	99	5.382	5.382	0.0	89	692065	9.54	
$ 9 Nitrobenzene-d5	82	6.227	6.227	0.0	88	591332	9.74	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	99	1182492	9.37	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	89	171157	10.6	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	99	1164006	9.22	
24 1,4-Dioxane	88	2.023	2.023	0.0	96	229788	10.7	
25 N-Nitrosodimethylamine	74	2.462	2.462	0.0	89	335716	9.12	
26 Pyridine	79	2.494	2.494	0.0	93	618637	10.1	
27 Ethyl methacrylate	69	3.248	3.248	0.0	91	472646	9.25	M
28 3-Chloropropionitrile	54	3.703	3.703	0.0	90	344304	10.1	
32 Malononitrile	66	4.115	4.115	0.0	98	631498	9.82	
40 Benzaldehyde	77	5.324	5.324	0.0	95	438383	9.10	
41 Phenol	94	5.393	5.393	0.0	99	736194	9.52	
43 Aniline	93	5.425	5.425	0.0	88	902302	9.33	
44 Bis(2-chloroethyl)ether	93	5.484	5.484	0.0	94	542632	9.08	
46 2-Chlorophenol	128	5.532	5.532	0.0	98	586898	9.39	
47 1,3-Dichlorobenzene	146	5.677	5.677	0.0	96	614316	9.12	
48 1,4-Dichlorobenzene	146	5.746	5.746	0.0	93	624576	9.34	
49 Benzyl alcohol	108	5.853	5.853	0.0	91	362555	9.42	
50 1,2-Dichlorobenzene	146	5.885	5.885	0.0	90	590578	9.26	
51 2-Methylphenol	108	5.944	5.944	0.0	97	520271	9.23	
52 2,2'-oxybis[1-chloropropane]	45	5.976	5.976	0.0	91	813111	9.27	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.078	6.078	0.0	96	558184	9.44	
57 Acetophenone	105	6.088	6.088	0.0	92	762187	9.12	
56 N-Nitrosodi-n-propylamine	70	6.088	6.088	0.0	90	386699	9.24	
60 Hexachloroethane	117	6.190	6.190	0.0	93	252172	9.27	
61 Nitrobenzene	77	6.243	6.243	0.0	88	621332	9.90	
63 Isophorone	82	6.452	6.452	0.0	97	1055962	9.58	
65 2-Nitrophenol	139	6.522	6.522	0.0	96	289149	9.79	
66 1,3,5-Trichlorobenzene	180	6.532	6.532	0.0	96	524844	9.58	
64 2,4-Dimethylphenol	107	6.548	6.548	0.0	92	569078	9.80	
69 Benzoic acid	122	6.618	6.618	0.0	86	672021	17.7	
68 Bis(2-chloroethoxy)methane	93	6.634	6.634	0.0	92	656578	9.38	
71 2,4-Dichlorophenol	162	6.730	6.730	0.0	95	439487	9.58	
72 1,2,4-Trichlorobenzene	180	6.805	6.805	0.0	90	514019	9.39	
73 Naphthalene	128	6.875	6.875	0.0	97	1623947	9.41	
74 4-Chloroaniline	127	6.912	6.912	0.0	84	692793	9.42	
77 Hexachlorobutadiene	225	6.976	6.976	0.0	92	275490	9.29	
78 1,2,3-Trichlorobenzene	180	6.998	6.998	0.0	91	488956	0	
83 Caprolactam	113	7.201	7.201	0.0	73	163761	9.36	
84 4-Chloro-3-methylphenol	107	7.313	7.313	0.0	94	484528	9.83	
85 2-Methylnaphthalene	142	7.468	7.468	0.0	91	1029295	9.32	
86 1-Methylnaphthalene	142	7.549	7.549	0.0	90	963923	9.18	
87 1,2,3,5-Tetrachlorobenzene	216	7.591	7.591	0.0	95	497090	9.40	
88 Hexachlorocyclopentadiene	237	7.597	7.597	0.0	82	286504	9.09	
90 2,4,6-Trichlorophenol	196	7.698	7.698	0.0	91	331036	10.1	
91 2,4,5-Trichlorophenol	196	7.730	7.730	0.0	94	347229	9.83	
94 2,4-Toluene diamine	121	7.843	7.843	0.0	96	341717	9.72	
96 1,2,3,4 -Tetrachlorobenzene	216	7.848	7.848	0.0	93	484142	0	
95 1,1'-Biphenyl	154	7.859	7.859	0.0	94	1273342	9.27	
98 2-Chloronaphthalene	162	7.880	7.880	0.0	96	1005153	9.36	
100 2-Nitroaniline	65	7.955	7.955	0.0	83	319950	10.1	
103 Dimethyl phthalate	163	8.099	8.099	0.0	98	1081540	9.46	
105 2,6-Dinitrotoluene	165	8.158	8.158	0.0	91	244862	9.36	
106 1,2-Dinitrobenzene	168	8.206	8.206	0.0	91	124900	9.85	
107 Acenaphthylene	152	8.233	8.233	0.0	91	1671423	9.42	
108 3-Nitroaniline	138	8.303	8.303	0.0	94	293228	10.3	
110 Acenaphthene	153	8.378	8.378	0.0	93	1012677	9.49	
109 2,4-Dinitrophenol	184	8.388	8.388	0.0	83	323578	18.2	
111 4-Nitrophenol	109	8.426	8.426	0.0	93	162516	9.86	
112 2,4-Dinitrotoluene	165	8.495	8.495	0.0	88	329255	9.34	
114 Dibenzofuran	168	8.522	8.522	0.0	88	1475400	9.31	
115 2,3,5,6-Tetrachlorophenol	232	8.581	8.581	0.0	90	297877	10.2	
119 Diethyl phthalate	149	8.688	8.688	0.0	97	1124742	9.41	
121 4-Chlorophenyl phenyl ether	204	8.800	8.800	0.0	91	574085	9.54	
124 Fluorene	166	8.811	8.811	0.0	85	1203031	9.46	
123 4-Nitroaniline	138	8.816	8.816	0.0	79	300083	9.58	
126 4,6-Dinitro-2-methylphenol	198	8.838	8.838	0.0	85	209216	9.21	
130 N-Nitrosodiphenylamine	169	8.896	8.896	0.0	0	867153	9.07	
131 Azobenzene	77	8.934	8.934	0.0	99	1225227	9.08	
129 1,2-Diphenylhydrazine	77	8.934	8.934	0.0	0	1223652	9.07	
137 4-Bromophenyl phenyl ether	248	9.212	9.212	0.0	62	325736	9.21	
139 Hexachlorobenzene	284	9.271	9.271	0.0	89	345907	9.50	
140 Atrazine	200	9.330	9.330	0.0	90	252785	9.72	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.431	9.431	0.0	84	421450	17.2	
146 Phenanthrene	178	9.624	9.624	0.0	97	1662143	8.78	
147 Anthracene	178	9.667	9.667	0.0	97	1762471	9.37	
149 Carbazole	167	9.795	9.795	0.0	82	1651401	9.04	
151 Di-n-butyl phthalate	149	10.057	10.057	0.0	100	1901318	9.26	
157 Fluoranthene	202	10.624	10.624	0.0	97	1921104	9.19	
158 Benzidine	184	10.720	10.720	0.0	99	1047659	9.02	
160 Pyrene	202	10.822	10.822	0.0	96	2028899	9.33	
166 Butyl benzyl phthalate	149	11.389	11.389	0.0	97	815242	9.12	
170 3,3'-Dimethoxybenzidine	244	11.961	11.961	0.0	90	372057	8.12	
173 3,3'-Dichlorobenzidine	252	11.999	11.999	0.0	67	686251	9.06	
172 4,4'-Methylene bis(2-chloroanili	231	11.999	11.999	0.0	71	313045	9.06	
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	96	1138371	9.00	
175 Benzo[a]anthracene	228	12.041	12.041	0.0	95	1756566	9.23	
176 Chrysene	228	12.090	12.090	0.0	93	1643499	9.06	
178 Di-n-octyl phthalate	149	12.881	12.881	0.0	99	1861519	8.80	
180 Benzo[b]fluoranthene	252	13.475	13.475	0.0	94	1775892	9.47	
181 Benzo[k]fluoranthene	252	13.518	13.518	0.0	99	1855654	9.11	
182 Benzo[a]pyrene	252	13.951	13.951	0.0	75	1732027	8.95	
186 Indeno[1,2,3-cd]pyrene	276	15.630	15.630	0.0	97	1889738	8.90	
187 Dibenz(a,h)anthracene	278	15.657	15.657	0.0	79	1568017	8.66	
188 Benzo[g,h,i]perylene	276	16.031	16.031	0.0	92	1622661	9.64	
S 189 Methyl Phenols,Total	100				0		9.23	

QC Flag Legend

Review Flags
M - Manually Integrated

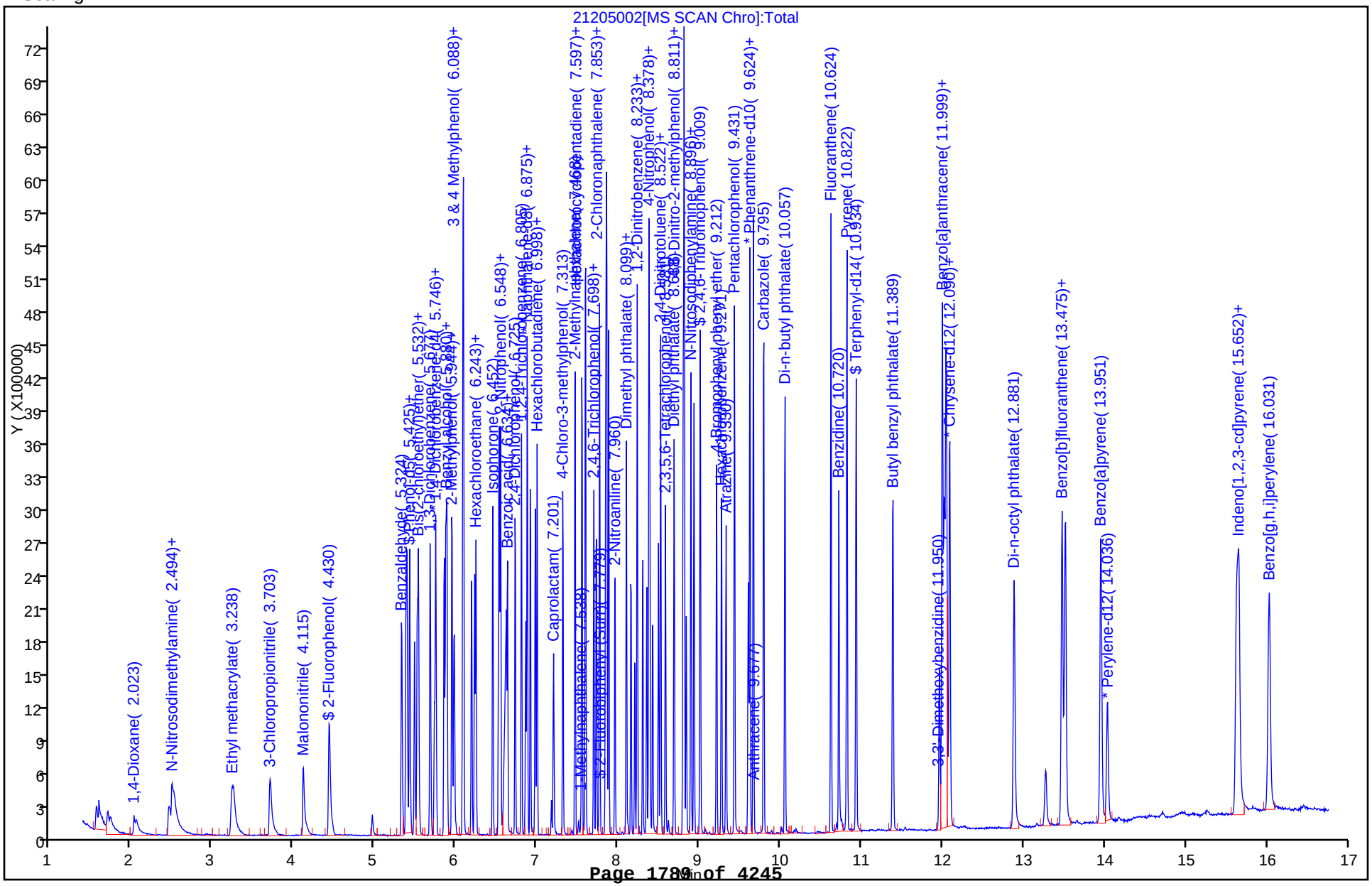
Report Date: 06-Dec-2012 08:50:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205002.D

Injection Date:	05-Dec-2012 09:33:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	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.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/05/2012 19:14

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: 21205027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.043			0.0875	0.100		
Phenol	Ave	1.674			0.0745	0.100		
Aniline	Ave	2.093			0.0733	0.100		
Bis(2-chloroethyl)ether	Ave	1.293			0.0880	0.100		
2-Chlorophenol	Ave	1.352			0.0784	0.100		
1,3-Dichlorobenzene	Ave	1.457			0.111	0.100		
1,4-Dichlorobenzene	Ave	1.448			0.0967	0.100		
Benzyl alcohol	Ave	0.8332			0.0713	0.100		
1,2-Dichlorobenzene	Ave	1.380			0.111	0.100		
2-Methylphenol	Ave	1.220			0.0858	0.100		
3 & 4 Methylphenol	Ave	1.279			0.0698	0.100		
N-Nitrosodi-n-propylamine	Ave	0.9059			0.0829	0.100		
Acetophenone	Ave	1.808			0.0983	0.100		
Hexachloroethane	Ave	0.5884			0.102	0.100		
Nitrobenzene	Ave	0.3635			0.105	0.100		
Isophorone	Ave	0.6380			0.0906	0.100		
2,4-Dimethylphenol	Ave	0.3362			0.0951	0.100		
Bis(2-chloroethoxy)methane	Ave	0.4052			0.0837	0.100		
2,4-Dichlorophenol	Ave	0.2657			0.0886	0.100		
1,2,4-Trichlorobenzene	Ave	0.3169			0.100	0.100		
Naphthalene	Ave	0.999			0.0989	0.100		
4-Chloro-3-methylphenol	Ave	0.2854			0.0819	0.100		
2-Methylnaphthalene	Ave	0.6393			0.105	0.100		
2,4,6-Trichlorophenol	Ave	0.3372			0.0878	0.100		
2,4,5-Trichlorophenol	Ave	0.3632			0.0754	0.100		
1,1'-Biphenyl	Ave	1.413			0.0937	0.100		
2-Chloronaphthalene	Ave	1.105			0.0916	0.100		
2-Nitroaniline	Ave	0.3242			0.0877	0.100		
Dimethyl phthalate	Ave	1.175			0.104	0.100		
Acenaphthylene	Ave	1.825			0.0892	0.100		
Acenaphthene	Ave	1.097			0.0905	0.100		
Dibenzofuran	Ave	1.629			0.0920	0.100		
Diethyl phthalate	Ave	1.228			0.0919	0.100		
4-Chlorophenyl phenyl ether	Ave	0.6187			0.0977	0.100		
Fluorene	Ave	1.308			0.0939	0.100		
N-Nitrosodiphenylamine	Ave	0.5517			0.0883	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			0.0806	0.100		
Hexachlorobenzene	Ave	0.2101			0.107	0.100		
Phenanthrene	Ave	1.093			0.102	0.100		
Anthracene	Ave	1.086			0.0898	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/05/2012 19:14

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: 21205027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbazole	Ave	1.055			0.0830	0.100		
Di-n-butyl phthalate	Ave	1.185			0.0877	0.100		
Fluoranthene	Ave	1.207			0.0896	0.100		
Pyrene	Ave	1.276			0.0891	0.100		
Butyl benzyl phthalate	Qua				0.194	0.100		
Bis(2-ethylhexyl) phthalate	Qua				0.273	0.100		
Benzo[a]anthracene	Ave	1.116			0.102	0.100		
Chrysene	Ave	1.064			0.0944	0.100		
Di-n-octyl phthalate	Qua				0.368	0.100		
Benzo[b]fluoranthene	Ave	1.276			0.0762	0.100		
Benzo[k]fluoranthene	Ave	1.387			0.0871	0.100		
Benzo[a]pyrene	Qua				0.183	0.100		
Indeno[1,2,3-cd]pyrene	Qua				0.157	0.100		
Dibenz(a,h)anthracene	Qua				0.245	0.100		
Benzo[g,h,i]perylene	Ave	1.145			0.0741	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		
2-Nitrophenol	Ave	0.1710			0.000800	0.100		
3,3'-Dichlorobenzidine	Qua				0.000800	0.100		
3-Nitroaniline	Ave	0.2941			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.100		
4-Bromophenyl phenyl ether	Ave	0.2040			0.000800	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		
Hexachlorobutadiene	Ave	0.1716			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		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/05/2012 19:14

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: 21205027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
2-Fluorophenol (Surr)	Ave	1.236			0.0634	0.100	63	35-105
Phenol-d5 (Surr)	Ave	1.570			0.0865	0.100	87	40-100
Nitrobenzene-d5 (Surr)	Ave	0.3517			0.113	0.100	113*	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			0.0900	0.100	90	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			0.0899	0.100	90	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			0.0861	0.100	86	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205027.D
Lims ID: mdll1 Client ID:
Inject. Date: 05-Dec-2012 19:14:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015541-027
Misc. Info.: mdll1
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 67390 Lims Sample ID: 27
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m
Last Update: 06-Dec-2012 09:00:54 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: XAWRK028

First Level Reviewer: gruberj Date: 06-Dec-2012 07:37:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.730	5.730	0.0	96	189144	4.00	
* 2 Naphthalene-d8	136	6.859	6.859	0.0	99	682166	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	90	387342	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	97	665763	4.00	
* 5 Chrysene-d12	240	12.052	12.057	-0.005	97	650453	4.00	
* 6 Perylene-d12	264	14.031	14.036	-0.005	96	562456	4.00	
$ 7 2-Fluorophenol	112	4.441	4.430	0.011	52	3707	0.0634	
$ 8 Phenol-d5	99	5.382	5.382	0.0	76	6421	0.0865	
$ 9 Nitrobenzene-d5	82	6.233	6.227	0.006	65	6764	0.1128	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	90	11311	0.0900	
$ 11 2,4,6-Tribromophenol	330	9.019	9.014	0.005	1	1440	0.0899	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	77	10375	0.0861	
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
24 1,4-Dioxane	88		2.023					9
25 N-Nitrosodimethylamine	74		2.462					9
26 Pyridine	79		2.494					
27 Ethyl methacrylate	69		3.248					
232 1-Methyl-2-pyrrilidinone	99	3.280	3.271	0.009	0	473	0	
18 Dimethylformamide	73		3.545					9
28 3-Chloropropionitrile	54		3.703					
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					9
32 Malononitrile	66		4.115					
33 Acrylamide	71	4.414	4.349	0.065	1	302	0	
34 Methyl methanesulfonate	80		4.451					
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.532	4.536	-0.004	0	579	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.329	5.324	0.005	76	4316	0.0875	
37 2-Methylcyclohexanone	68	5.334	5.376	-0.042	1	69	0	
41 Phenol	94	5.398	5.393	0.005	83	5895	0.0745	
38 3-Methylcyclohexanone	69	5.420	5.414	0.006	1	51	0	
43 Aniline	93	5.436	5.425	0.011	56	7255	0.0733	
39 4-Methylcyclohexanone	55	5.447	5.462	-0.015	1	732	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.489	5.484	0.005	64	5379	0.0880	
46 2-Chlorophenol	128	5.538	5.532	0.006	49	5015	0.0784	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.677	5.677	0.0	59	7654	0.1111	
48 1,4-Dichlorobenzene	146	5.746	5.746	0.0	3	6623	0.0967	
49 Benzyl alcohol	108	5.864	5.853	0.011	29	2810	0.0713	
50 1,2-Dichlorobenzene	146	5.885	5.885	0.0	60	7276	0.1115	
51 2-Methylphenol	108	5.949	5.944	0.005	75	4947	0.0858	
52 2,2'-oxybis[1-chloropropane]	45	5.971	5.976	-0.005	72	8924	0.0995	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.083	6.078	0.005	78	4222	0.0698	
57 Acetophenone	105	6.094	6.088	0.006	92	8400	0.0983	
56 N-Nitrosodi-n-propylamine	70	6.088	6.088	0.0	69	3552	0.0829	
60 Hexachloroethane	117	6.190	6.190	0.0	69	2839	0.1020	
55 N-Nitrosopyrrolidine	100		6.216					
61 Nitrobenzene	77	6.244	6.243	0.001	62	6480	0.1045	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					9
63 Isophorone	82	6.447	6.452	-0.005	80	9854	0.0906	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139		6.522					9
66 1,3,5-Trichlorobenzene	180	6.532	6.532	0.0	75	5285	0.0977	
64 2,4-Dimethylphenol	107	6.548	6.548	0.0	67	5454	0.0951	
69 Benzoic acid	122		6.618					9
68 Bis(2-chloroethoxy)methane	93	6.634	6.634	0.0	77	5784	0.0837	
71 2,4-Dichlorophenol	162	6.730	6.730	0.0	70	4015	0.0886	
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	6.800	6.805	-0.005	64	5425	0.1004	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.875	6.875	0.0	86	16858	0.0989	
74 4-Chloroaniline	127	6.917	6.912	0.005	64	6518	0.0897	
77 Hexachlorobutadiene	225		6.976					9
78 1,2,3-Trichlorobenzene	180	6.998	6.998	0.0	82	5405	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					9
83 Caprolactam	113		7.201					9
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.319	7.313	0.006	55	3988	0.0819	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					
85 2-Methylnaphthalene	142	7.468	7.468	0.0	77	11410	0.1047	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.549	7.549	0.0	74	10257	0.0989	
87 1,2,3,5-Tetrachlorobenzene	216	7.591	7.591	0.0	71	5784	0.1099	
88 Hexachlorocyclopentadiene	237		7.597					9
90 2,4,6-Trichlorophenol	196	7.698	7.698	0.0	53	2866	0.0878	
91 2,4,5-Trichlorophenol	196	7.730	7.730	0.0	62	2652	0.0754	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					19
94 2,4-Toluene diamine	121		7.843					9
96 1,2,3,4 -Tetrachlorobenzene	216	7.848	7.848	0.0	73	5120	0	
95 1,1'-Biphenyl	154	7.859	7.859	0.0	86	12818	0.0937	
98 2-Chloronaphthalene	162	7.880	7.880	0.0	71	9794	0.0916	
100 2-Nitroaniline	65	7.960	7.955	0.005	37	2755	0.0877	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163	8.100	8.099	0.001	93	11802	0.1037	
105 2,6-Dinitrotoluene	165		8.158					9
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.206	8.206	0.0	59	759	0.0601	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.233	8.233	0.0	86	15766	0.0892	
104 1,3-Dinitrobenzene	168		8.275					9
108 3-Nitroaniline	138		8.303					9
110 Acenaphthene	153	8.378	8.378	0.0	81	9620	0.0905	
109 2,4-Dinitrophenol	184		8.388					
111 4-Nitrophenol	109		8.426					9
112 2,4-Dinitrotoluene	165		8.495					9
114 Dibenzofuran	168	8.522	8.522	0.0	70	14503	0.0920	
115 2,3,5,6-Tetrachlorophenol	232		8.581					9
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.688	8.688	0.0	80	10925	0.0919	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
118 2-Naphthylamine	143		8.799					
121 4-Chlorophenyl phenyl ether	204	8.800	8.800	0.0	73	5855	0.0977	
124 Fluorene	166	8.811	8.811	0.0	88	11896	0.0939	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138		8.816					9
126 4,6-Dinitro-2-methylphenol	198		8.838					
130 N-Nitrosodiphenylamine	169	8.896	8.896	0.0	0	8105	0.0883	
120 Thionazin	97		8.901					
131 Azobenzene	77	8.934	8.934	0.0	79	10446	0.0806	
129 1,2-Diphenylhydrazine	77	8.934	8.934	0.0	0	10446	0.0806	
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		9.212					9
133 1,3,5-Trinitrobenzene	213		9.238					
139 Hexachlorobenzene	284	9.276	9.271	0.005	52	3755	0.1074	
228 Diallate Peak 1	86		9.275					1
135 Phenacetin	108		9.281					
136 Phorate	121		9.286					
140 Atrazine	200		9.330					9
230 Diallate Peak 2	86		9.356					1
138 Dimethoate	87		9.430					
141 Pentachlorophenol	266		9.431					9
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.624	9.624	0.0	37	18536	0.1019	
147 Anthracene	178	9.667	9.667	0.0	93	16227	0.0898	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.795	9.795	0.0	66	14573	0.0830	
150 Methyl parathion	109		10.045					9
151 Di-n-butyl phthalate	149	10.057	10.057	0.0	92	17294	0.0877	
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	10.624	10.624	0.0	86	17991	0.0896	
156 Isodrin	66		10.655					
158 Benzidine	184		10.720					9
160 Pyrene	202	10.822	10.822	0.0	91	18501	0.0891	
164 4,4'-DDE	246		10.881					9
226 Aramite Peak 1	185		11.056					149
229 Aramite Peak 2	185		11.126					149
163 4,4'-DDD	235		11.228					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.384	11.389	-0.005	56	5932	0.1944	
168 4,4'-DDT	235		11.496					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244		11.961					9
173 3,3'-Dichlorobenzidine	252		11.999					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231		11.999					9
171 Bis(2-ethylhexyl) phthalate	149	12.025	12.020	0.005	78	9659	0.2727	
175 Benzo[a]anthracene	228	12.041	12.041	0.0	61	18536	0.1021	
176 Chrysene	228	12.090	12.090	0.0	54	16330	0.0944	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.881	12.881	0.0	54	8064	0.3684	
180 Benzo[b]fluoranthene	252	13.470	13.475	-0.005	74	13670	0.0762	
181 Benzo[k]fluoranthene	252	13.512	13.518	-0.006	64	16988	0.0871	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.946	13.951	-0.005	60	12714	0.1829	
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	15.636	15.630	0.006	55	15093	0.1567	M
187 Dibenz(a,h)anthracene	278	15.652	15.657	-0.005	0	13375	0.2454	M
188 Benzo[g,h,i]perylene	276	16.032	16.031	0.001	62	11937	0.0741	M
S 189 Methyl Phenols,Total	100				0		0.0858	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.243	3.050	0.193	1	129	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

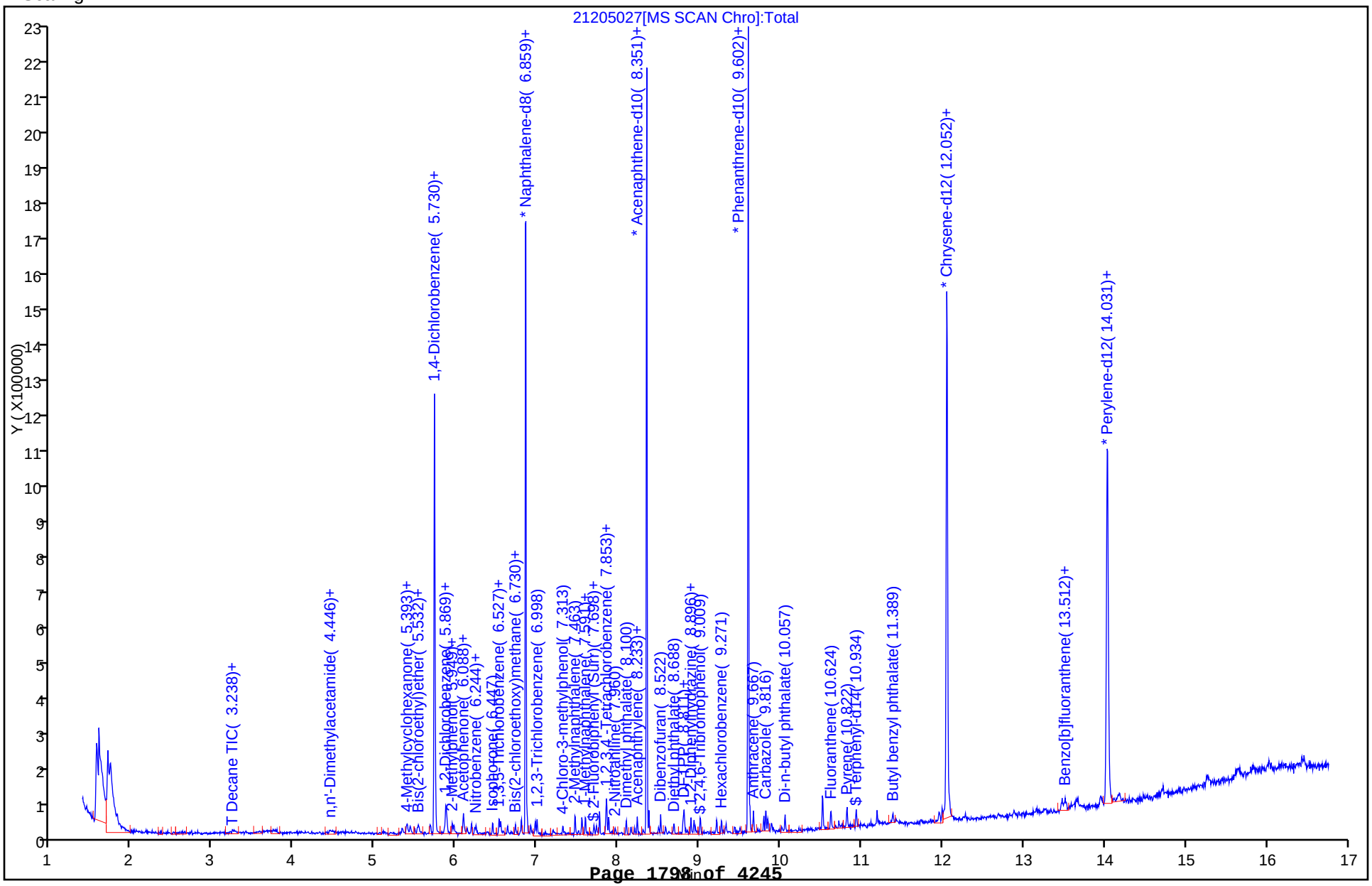
Report Date: 06-Dec-2012 09:25:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205027.D

Injection Date:	05-Dec-2012 19:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	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

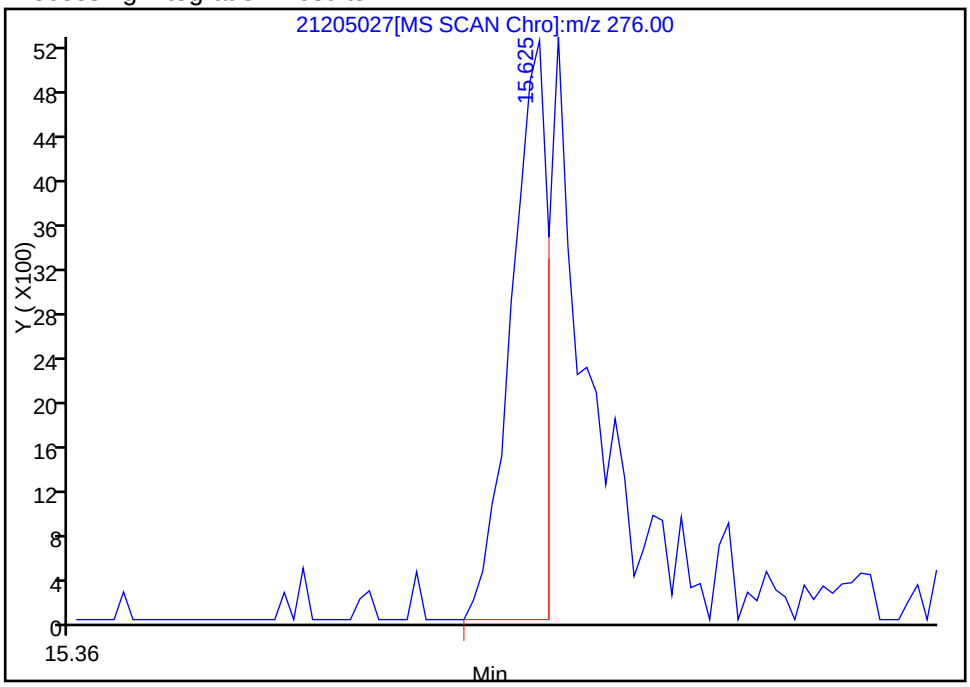
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205027.D		
Injection Date:	05-Dec-2012 19:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	27
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

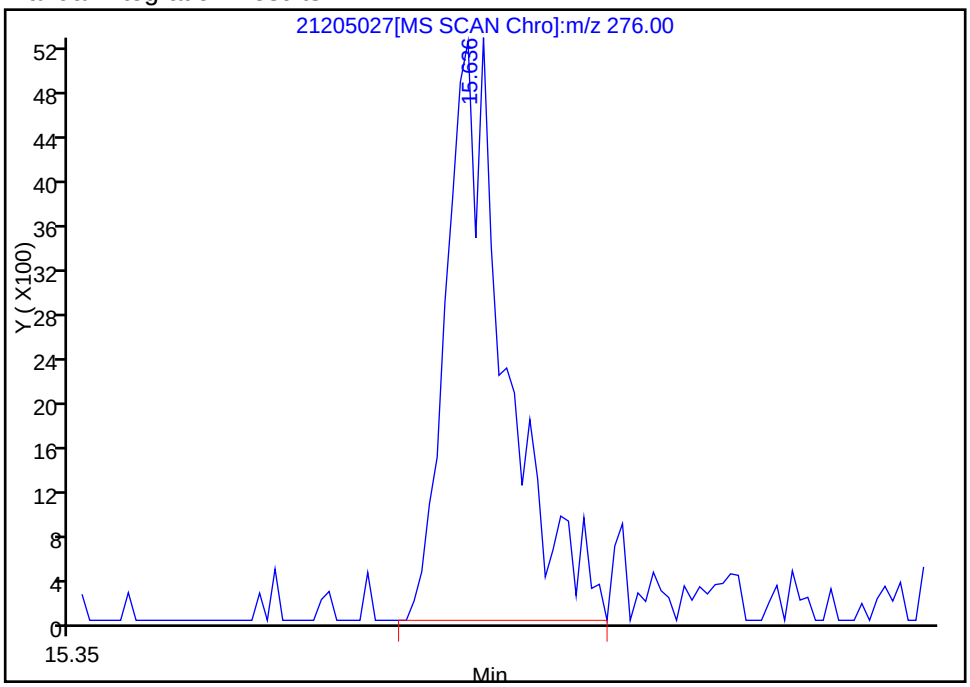
Processing Integration Results

RT: 15.63
Response: 7424
Amount: 0.118259



Manual Integration Results

RT: 15.64
Response: 15093
Amount: 0.156686



Reviewer: gruberj, 06-Dec-2012 07:37:30
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

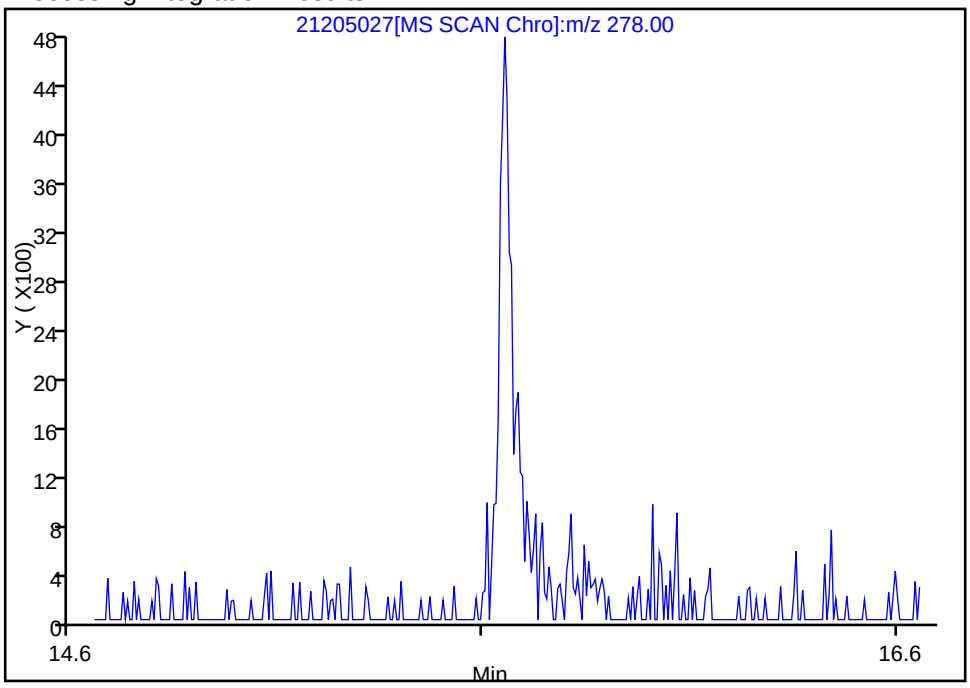
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205027.D		
Injection Date:	05-Dec-2012 19:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	27
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: 15.66

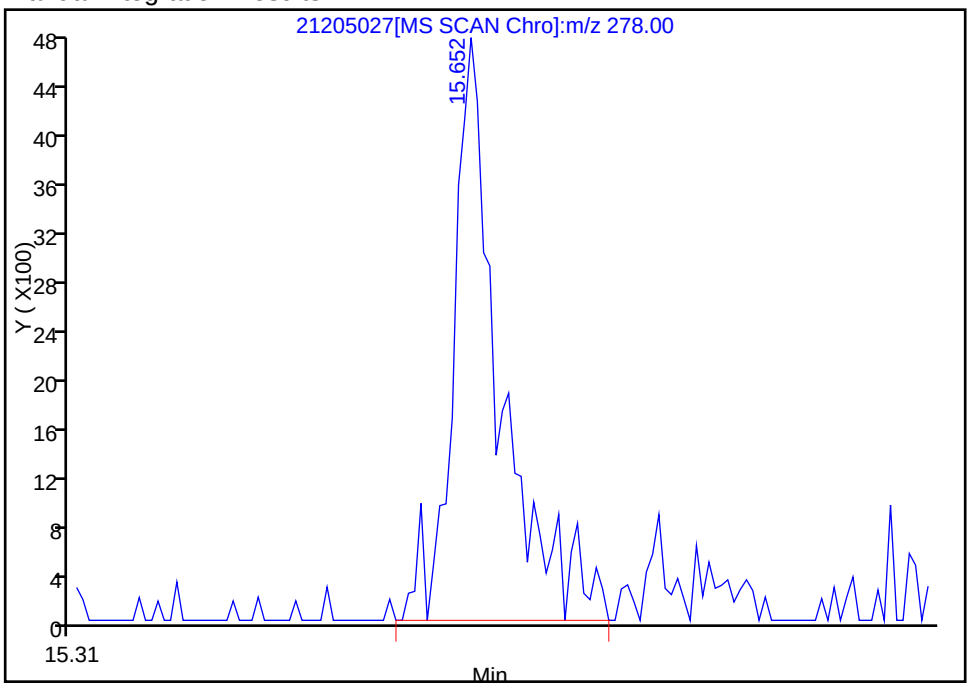
Processing Integration Results

Not Detected
Expected RT: 15.66



Manual Integration Results

RT: 15.65
Response: 13375
Amount: 0.245361



Reviewer: gruberj, 06-Dec-2012 07:37:30
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

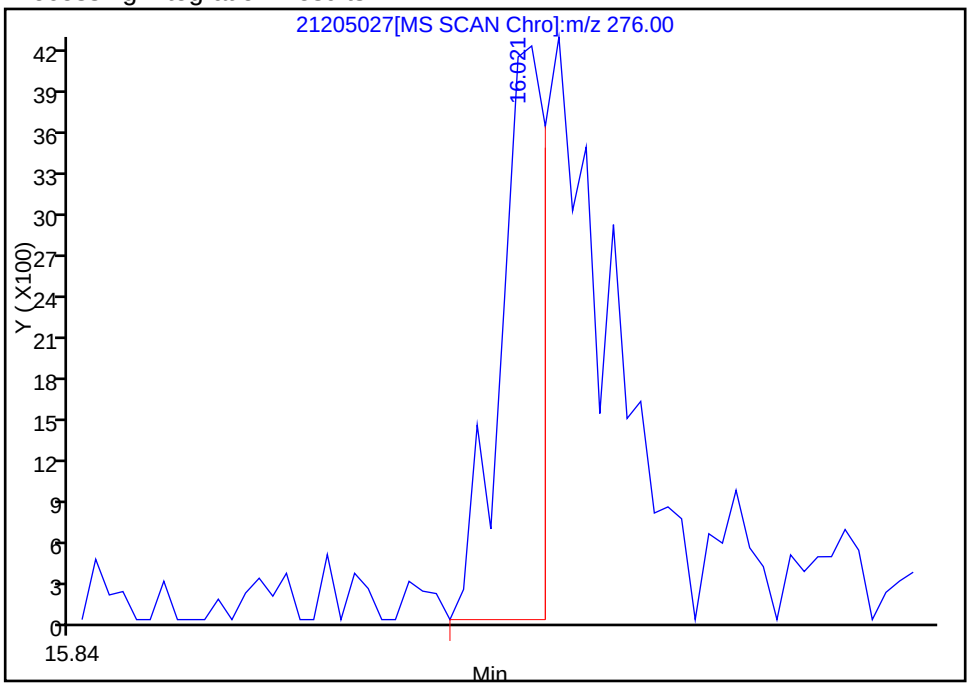
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205027.D		
Injection Date:	05-Dec-2012 19:14:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	27
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

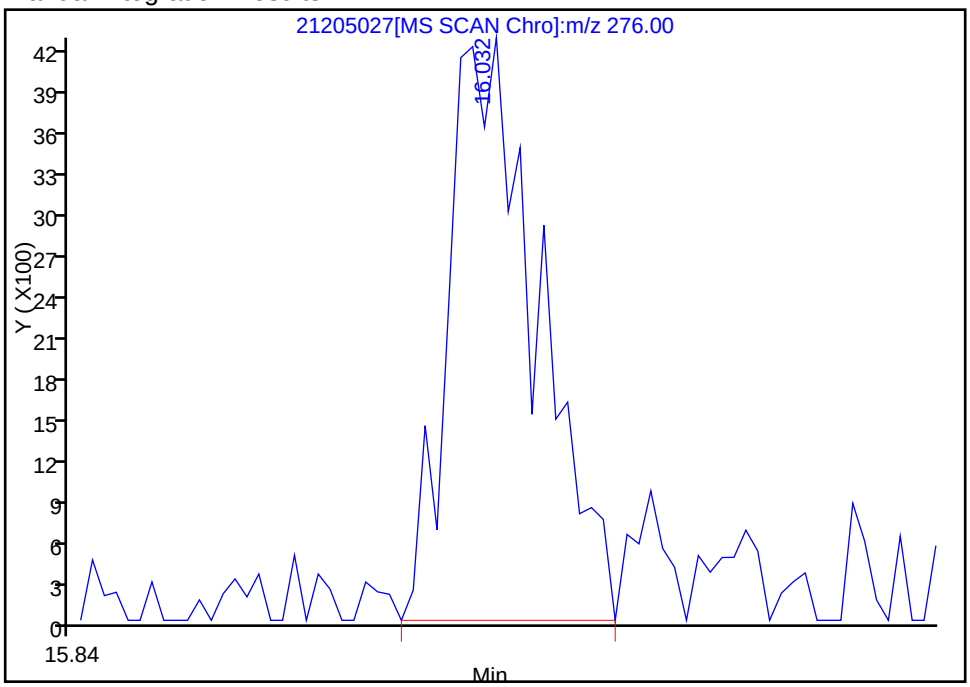
Processing Integration Results

RT: 16.02
Response: 5331
Amount: 0.033106



Manual Integration Results

RT: 16.03
Response: 11937
Amount: 0.074129



Reviewer: gruberj, 06-Dec-2012 07:37:30
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/05/2012 19:37

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: 21205028.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			0.536	0.500		
N-Nitrosodimethylamine	Qua				0.741	0.500		
Pyridine	Ave	1.330			0.267	0.500		
Benzaldehyde	Ave	1.043			0.483	0.500		
Phenol	Ave	1.674			0.465	0.500		
Aniline	Ave	2.093			0.492	0.500		
Bis(2-chloroethyl)ether	Ave	1.293			0.445	0.500		
2-Chlorophenol	Ave	1.352			0.476	0.500		
1,3-Dichlorobenzene	Ave	1.457			0.503	0.500		
1,4-Dichlorobenzene	Ave	1.448			0.495	0.500		
Benzyl alcohol	Ave	0.8332			0.440	0.500		
1,2-Dichlorobenzene	Ave	1.380			0.507	0.500		
2-Methylphenol	Ave	1.220			0.478	0.500		
3 & 4 Methylphenol	Ave	1.279			0.448	0.500		
Acetophenone	Ave	1.808			0.494	0.500		
N-Nitrosodi-n-propylamine	Ave	0.9059			0.509	0.500		
Hexachloroethane	Ave	0.5884			0.511	0.500		
Nitrobenzene	Ave	0.3635			0.463	0.500		
Isophorone	Ave	0.6380			0.457	0.500		
2-Nitrophenol	Ave	0.1710			0.373	0.500		
2,4-Dimethylphenol	Ave	0.3362			0.498	0.500		
Benzoic acid	Qua				1.72	1.00		
Bis(2-chloroethoxy)methane	Ave	0.4052			0.481	0.500		
2,4-Dichlorophenol	Ave	0.2657			0.457	0.500		
1,2,4-Trichlorobenzene	Ave	0.3169			0.476	0.500		
Naphthalene	Ave	0.999			0.490	0.500		
Hexachlorobutadiene	Ave	0.1716			0.558	0.500		
Caprolactam	Qua				0.791	0.500		
4-Chloro-3-methylphenol	Ave	0.2854			0.442	0.500		
2-Methylnaphthalene	Ave	0.6393			0.498	0.500		
Hexachlorocyclopentadiene	Ave	0.3241			0.154	0.500		
2,4,6-Trichlorophenol	Ave	0.3372			0.461	0.500		
2,4,5-Trichlorophenol	Ave	0.3632			0.453	0.500		
1,1'-Biphenyl	Ave	1.413			0.485	0.500		
2-Chloronaphthalene	Ave	1.105			0.479	0.500		
2-Nitroaniline	Ave	0.3242			0.383	0.500		
Dimethyl phthalate	Ave	1.175			0.482	0.500		
2,6-Dinitrotoluene	Qua				0.729	0.500		
Acenaphthylene	Ave	1.825			0.498	0.500		
3-Nitroaniline	Ave	0.2941			0.389	0.500		
Acenaphthene	Ave	1.097			0.486	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/05/2012 19:37

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: 21205028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				2.35	1.00		
4-Nitrophenol	Ave	0.1694			0.185	0.500		
2,4-Dinitrotoluene	Qua				0.679	0.500		
Dibenzofuran	Ave	1.629			0.511	0.500		
Diethyl phthalate	Ave	1.228			0.492	0.500		
4-Chlorophenyl phenyl ether	Ave	0.6187			0.530	0.500		
4-Nitroaniline	Qua				0.589	0.500		
Fluorene	Ave	1.308			0.489	0.500		
4,6-Dinitro-2-methylphenol	Qua				0.758	0.500		
N-Nitrosodiphenylamine	Ave	0.5517			0.489	0.500		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			0.448	0.500		
4-Bromophenyl phenyl ether	Ave	0.2040			0.436	0.500		
Hexachlorobenzene	Ave	0.2101			0.533	0.500		
Atrazine	Ave	0.1501			0.480	0.500		
Pentachlorophenol	Qua				0.924	1.00		
Phenanthrene	Ave	1.093			0.475	0.500		
Anthracene	Ave	1.086			0.447	0.500		
Carbazole	Ave	1.055			0.446	0.500		
Di-n-butyl phthalate	Ave	1.185			0.414	0.500		
Fluoranthene	Ave	1.207			0.466	0.500		
Benzidine	Qua				0.612	0.500		
Pyrene	Ave	1.276			0.459	0.500		
Butyl benzyl phthalate	Qua				0.503	0.500		
3,3'-Dichlorobenzidine	Qua				0.534	0.500		
Bis(2-ethylhexyl) phthalate	Qua				0.528	0.500		
Benzo[a]anthracene	Ave	1.116			0.496	0.500		
Chrysene	Ave	1.064			0.507	0.500		
Di-n-octyl phthalate	Qua				0.592	0.500		
Benzo[b]fluoranthene	Ave	1.276			0.430	0.500		
Benzo[k]fluoranthene	Ave	1.387			0.446	0.500		
Benzo[a]pyrene	Qua				0.540	0.500		
Indeno[1,2,3-cd]pyrene	Qua				0.423	0.500		
Dibenz(a,h)anthracene	Qua				0.508	0.500		
Benzo[g,h,i]perylene	Ave	1.145			0.369	0.500		
2-Fluorophenol (Surr)	Ave	1.236			0.419	0.500	84	35-105
Phenol-d5 (Surr)	Ave	1.570			0.432	0.500	86	40-100
Nitrobenzene-d5 (Surr)	Ave	0.3517			0.445	0.500	89	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			0.509	0.500	102	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			0.459	0.500	92	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			0.476	0.500	95	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205028.D		
Lims ID:	mdll2	Client ID:	
Inject. Date:	05-Dec-2012 19:37:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0015541-028		
Misc. Info.:	mdll2		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	67390	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 09:00:54	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:	XAWRK028		
First Level Reviewer: gruberj		Date:	06-Dec-2012 07:45:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.730	5.730	0.0	96	191062	4.00	
* 2 Naphthalene-d8	136	6.858	6.859	-0.001	99	735870	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	92	411278	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	98	737942	4.00	
* 5 Chrysene-d12	240	12.052	12.057	-0.005	97	732589	4.00	
* 6 Perylene-d12	264	14.036	14.036	0.0	96	626712	4.00	
$ 7 2-Fluorophenol	112	4.441	4.430	0.011	82	24753	0.4191	
$ 8 Phenol-d5	99	5.382	5.382	0.0	95	32409	0.4322	
$ 9 Nitrobenzene-d5	82	6.227	6.227	0.0	88	28787	0.4449	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	98	67893	0.5088	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	80	7814	0.4593	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	97	64613	0.4762	
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
24 1,4-Dioxane	88	2.039	2.023	0.016	75	11882	0.5359	M
25 N-Nitrosodimethylamine	74	2.489	2.462	0.027	72	14783	0.7413	
26 Pyridine	79	2.542	2.494	0.048	92	16989	0.2674	
27 Ethyl methacrylate	69	3.248	3.248	0.0	84	19257	0.3648	
232 1-Methyl-2-pyrrilidinone	99	3.248	3.271	-0.023	0	3960	0	
18 Dimethylformamide	73		3.545					9
28 3-Chloropropionitrile	54	3.713	3.703	0.010	75	12077	0.3428	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					9
32 Malononitrile	66	4.141	4.115	0.026	98	6679	0.1005	
33 Acrylamide	71	4.435	4.349	0.086	1	62	0	
34 Methyl methanesulfonate	80		4.451					
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.489	4.536	-0.047	0	529	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.329	5.324	0.005	90	24035	0.4825	
37 2-Methylcyclohexanone	68	5.366	5.376	-0.010	1	132	0	
41 Phenol	94	5.393	5.393	0.0	97	37180	0.4651	
38 3-Methylcyclohexanone	69	5.420	5.414	0.006	1	76	0	
43 Aniline	93	5.425	5.425	0.0	92	49147	0.4916	
39 4-Methylcyclohexanone	55	5.478	5.462	0.016	1	659	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.489	5.484	0.005	90	27467	0.4448	
46 2-Chlorophenol	128	5.532	5.532	0.0	87	30721	0.4757	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.682	5.677	0.005	94	35008	0.5029	
48 1,4-Dichlorobenzene	146	5.746	5.746	0.0	87	34228	0.4950	
49 Benzyl alcohol	108	5.853	5.853	0.0	87	17516	0.4401	
50 1,2-Dichlorobenzene	146	5.885	5.885	0.0	90	33417	0.5068	
51 2-Methylphenol	108	5.944	5.944	0.0	93	27845	0.4778	
52 2,2'-oxybis[1-chloropropane]	45	5.971	5.976	-0.005	88	45949	0.5071	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.083	6.078	0.005	93	27345	0.4476	
57 Acetophenone	105	6.088	6.088	0.0	93	42631	0.4937	
56 N-Nitrosodi-n-propylamine	70	6.088	6.088	0.0	84	22034	0.5092	
60 Hexachloroethane	117	6.190	6.190	0.0	86	14359	0.5109	
55 N-Nitrosopyrrolidine	100		6.216					
61 Nitrobenzene	77	6.243	6.243	0.0	89	30973	0.4632	
58 N-Nitrosomorpholine	56		6.248					
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.447	6.452	-0.005	96	53635	0.4570	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.521	6.522	-0.001	92	11739	0.3731	
66 1,3,5-Trichlorobenzene	180	6.532	6.532	0.0	95	30732	0.5267	
64 2,4-Dimethylphenol	107	6.548	6.548	0.0	94	30806	0.4980	
69 Benzoic acid	122	6.575	6.618	-0.043	78	12290	1.72	
68 Bis(2-chloroethoxy)methane	93	6.634	6.634	0.0	98	35821	0.4805	
71 2,4-Dichlorophenol	162	6.730	6.730	0.0	88	22330	0.4568	
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	6.805	6.805	0.0	88	27776	0.4764	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.874	6.875	-0.001	85	90010	0.4895	
74 4-Chloroaniline	127	6.917	6.912	0.005	79	34052	0.4344	
77 Hexachlorobutadiene	225	6.976	6.976	0.0	85	17620	0.5580	
78 1,2,3-Trichlorobenzene	180	6.997	6.998	-0.001	85	26779	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					9
83 Caprolactam	113	7.190	7.201	-0.011	75	7314	0.7913	
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.313	7.313	0.0	91	23230	0.4424	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.463	7.468	-0.005	92	58608	0.4983	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.548	7.549	-0.001	95	57127	0.5104	
87 1,2,3,5-Tetrachlorobenzene	216	7.591	7.591	0.0	88	29141	0.5213	
88 Hexachlorocyclopentadiene	237	7.597	7.597	-0.001	41	5126	0.1538	
90 2,4,6-Trichlorophenol	196	7.698	7.698	0.0	87	15993	0.4613	
91 2,4,5-Trichlorophenol	196	7.730	7.730	0.0	88	16904	0.4526	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					1
94 2,4-Toluene diamine	121	7.843	7.843	0.0	89	16512	0.4408	
96 1,2,3,4 -Tetrachlorobenzene	216	7.848	7.848	0.0	89	29224	0	
95 1,1'-Biphenyl	154	7.859	7.859	0.0	94	70513	0.4854	
98 2-Chloronaphthalene	162	7.880	7.880	0.0	95	54348	0.4785	
100 2-Nitroaniline	65	7.960	7.955	0.005	78	12775	0.3832	
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	8.099	8.099	0.0	98	58280	0.4825	
105 2,6-Dinitrotoluene	165	8.158	8.158	0.0	84	9401	0.7289	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.201	8.206	-0.005	79	4924	0.3674	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.233	8.233	0.0	90	93458	0.4982	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.303	8.303	0.0	84	11750	0.3886	
110 Acenaphthene	153	8.377	8.378	-0.001	90	54806	0.4858	
109 2,4-Dinitrophenol	184	8.393	8.388	0.005	1	1429	2.35	
111 4-Nitrophenol	109	8.426	8.426	0.0	86	3218	0.1848	
112 2,4-Dinitrotoluene	165	8.495	8.495	0.0	80	12786	0.6785	
114 Dibenzofuran	168	8.522	8.522	0.0	87	85565	0.5110	
115 2,3,5,6-Tetrachlorophenol	232	8.581	8.581	0.0	79	13098	0.4255	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.688	8.688	0.0	97	62144	0.4921	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
118 2-Naphthylamine	143		8.799					9
121 4-Chlorophenyl phenyl ether	204	8.800	8.800	0.0	89	33716	0.5300	
124 Fluorene	166	8.811	8.811	0.0	86	65803	0.4894	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.811	8.816	-0.005	45	10548	0.5892	
126 4,6-Dinitro-2-methylphenol	198	8.837	8.838	-0.001	14	2465	0.7584	
130 N-Nitrosodiphenylamine	169	8.896	8.896	0.0	0	49716	0.4885	
120 Thionazin	97		8.901					
131 Azobenzene	77	8.934	8.934	0.0	98	64334	0.4480	
129 1,2-Diphenylhydrazine	77	8.934	8.934	0.0	0	64334	0.4480	
122 N-Nitro-o-toluidine	152		8.954					9
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248	9.212	9.212	0.0	62	16427	0.4364	
133 1,3,5-Trinitrobenzene	213		9.238					
139 Hexachlorobenzene	284	9.276	9.271	0.005	81	20644	0.5326	
228 Diallate Peak 1	86		9.275					1
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					
140 Atrazine	200	9.329	9.330	-0.001	84	13291	0.4799	
230 Diallate Peak 2	86		9.356					
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.436	9.431	0.005	85	14348	0.9240	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.624	9.624	0.0	89	95810	0.4752	
147 Anthracene	178	9.666	9.667	-0.001	97	89624	0.4474	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.795	9.795	0.0	82	86838	0.4463	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.057	10.057	0.0	98	90550	0.4144	
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	10.624	10.624	0.0	96	103857	0.4665	
156 Isodrin	66		10.655					9
158 Benzidine	184	10.725	10.720	0.005	84	26277	0.6119	
160 Pyrene	202	10.822	10.822	0.0	97	107294	0.4590	
164 4,4'-DDE	246		10.881					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.228					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.389	11.389	0.0	92	35694	0.5030	
168 4,4'-DDT	235		11.496					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	11.961	11.961	0.0	52	7260	0.8599	
173 3,3'-Dichlorobenzidine	252	11.993	11.999	-0.006	64	27661	0.5336	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	11.998	11.999	-0.001	69	11929	0.4519	
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	91	45217	0.5276	
175 Benzo[a]anthracene	228	12.041	12.041	0.0	94	101394	0.4960	
176 Chrysene	228	12.084	12.090	-0.006	91	98790	0.5070	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.881	12.881	0.0	85	59002	0.5916	
180 Benzo[b]fluoranthene	252	13.469	13.475	-0.006	93	85927	0.4298	
181 Benzo[k]fluoranthene	252	13.512	13.518	-0.006	91	96928	0.4462	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.951	13.951	0.0	69	86378	0.5402	
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	15.630	15.630	0.0	91	76168	0.4233	
187 Dibenz(a,h)anthracene	278	15.652	15.657	-0.005	63	65843	0.5076	
188 Benzo[g,h,i]perylene	276	16.026	16.031	-0.005	86	66193	0.3689	
S 189 Methyl Phenols,Total	100				0		0.4778	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.221	3.050	0.171	1	131	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
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

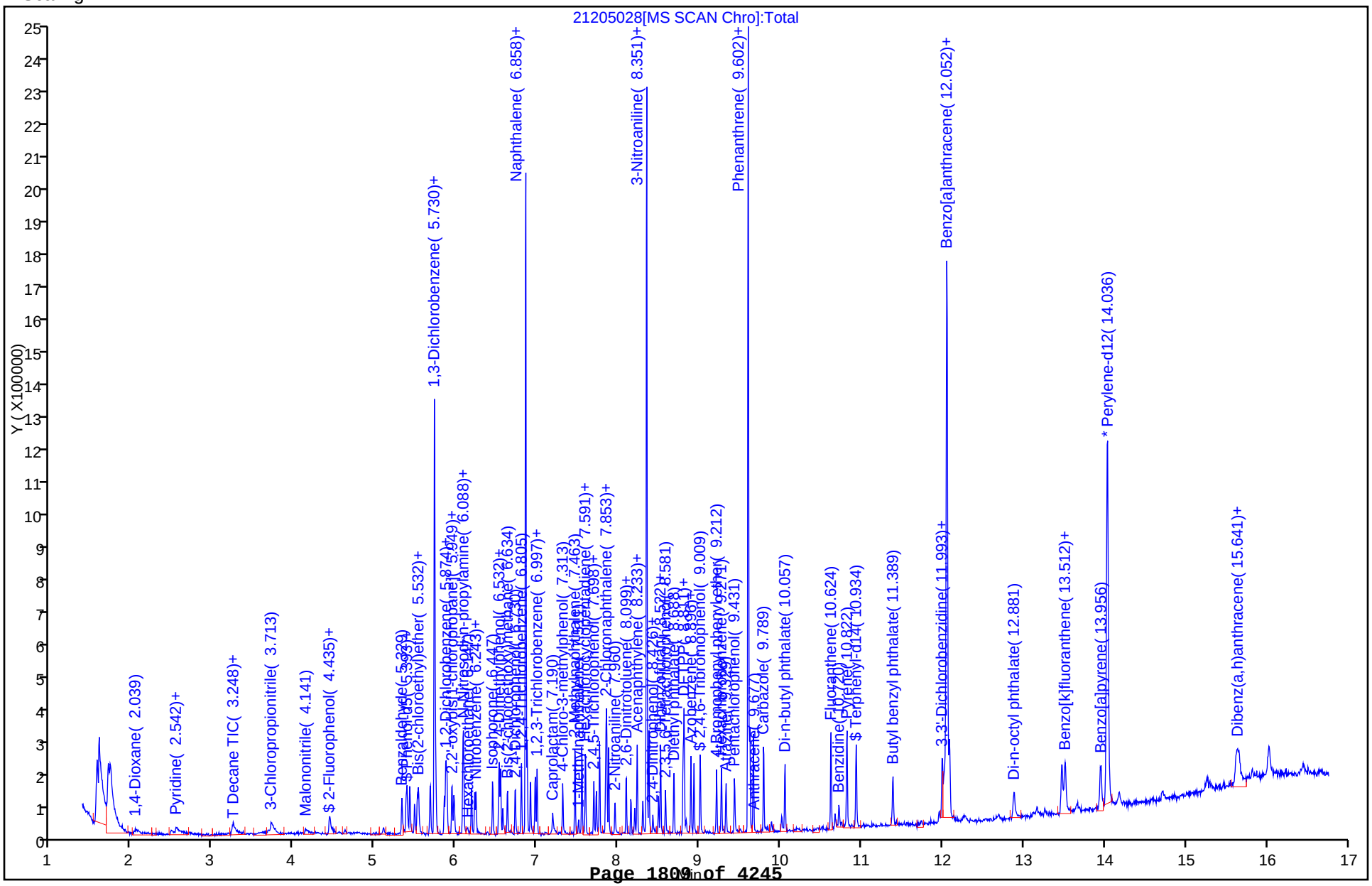
Report Date: 06-Dec-2012 09:25:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205028.D

Injection Date:	05-Dec-2012 19:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	28
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

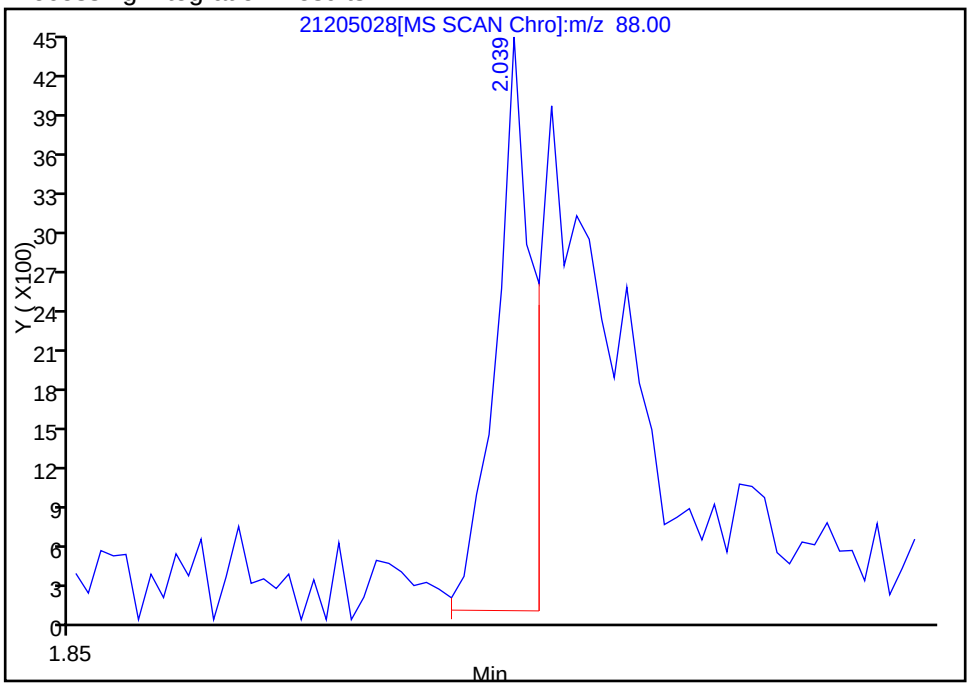
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205028.D		
Injection Date:	05-Dec-2012 19:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	28
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: 2.02

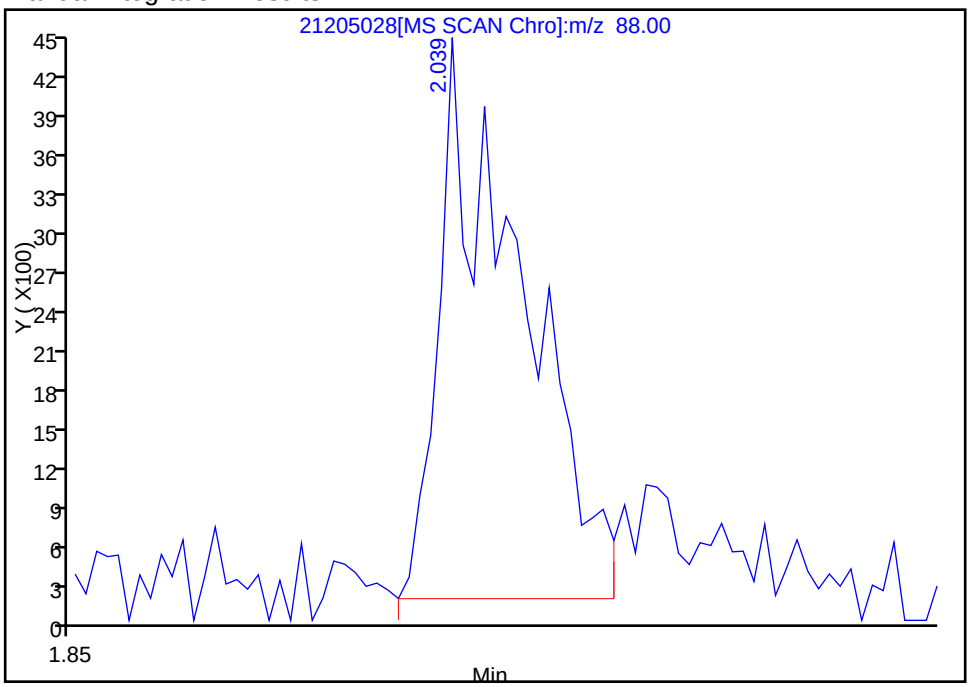
Processing Integration Results

RT: 2.04
Response: 4685
Amount: 0.211296



Manual Integration Results

RT: 2.04
Response: 11882
Amount: 0.535884



Reviewer: gruberj, 06-Dec-2012 07:45:29
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/05/2012 20:00

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: 21205029.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			1.08	1.00		
N-Nitrosodimethylamine	Qua				1.16	1.00		
Pyridine	Ave	1.330			0.602	1.00		
Benzaldehyde	Ave	1.043			0.975	1.00		
Phenol	Ave	1.674			0.914	1.00		
Aniline	Ave	2.093			0.899	1.00		
Bis(2-chloroethyl)ether	Ave	1.293			0.937	1.00		
2-Chlorophenol	Ave	1.352			0.929	1.00		
1,3-Dichlorobenzene	Ave	1.457			0.914	1.00		
1,4-Dichlorobenzene	Ave	1.448			0.943	1.00		
Benzyl alcohol	Ave	0.8332			0.854	1.00		
1,2-Dichlorobenzene	Ave	1.380			0.972	1.00		
2-Methylphenol	Ave	1.220			0.888	1.00		
3 & 4 Methylphenol	Ave	1.279			0.838	1.00		
Acetophenone	Ave	1.808			0.933	1.00		
N-Nitrosodi-n-propylamine	Ave	0.9059			0.911	1.00		
Hexachloroethane	Ave	0.5884			0.888	1.00		
Nitrobenzene	Ave	0.3635			0.979	1.00		
Isophorone	Ave	0.6380			0.943	1.00		
2-Nitrophenol	Ave	0.1710			0.840	1.00		
2,4-Dimethylphenol	Ave	0.3362			0.971	1.00		
Benzoic acid	Qua				2.04	2.00		
Bis(2-chloroethoxy)methane	Ave	0.4052			0.962	1.00		
2,4-Dichlorophenol	Ave	0.2657			0.955	1.00		
1,2,4-Trichlorobenzene	Ave	0.3169			0.985	1.00		
Naphthalene	Ave	0.999			0.986	1.00		
Hexachlorobutadiene	Ave	0.1716			0.959	1.00		
Caprolactam	Qua				1.05	1.00		
4-Chloro-3-methylphenol	Ave	0.2854			0.932	1.00		
2-Methylnaphthalene	Ave	0.6393			0.963	1.00		
Hexachlorocyclopentadiene	Ave	0.3241			0.391	1.00		
2,4,6-Trichlorophenol	Ave	0.3372			0.924	1.00		
2,4,5-Trichlorophenol	Ave	0.3632			1.02	1.00		
1,1'-Biphenyl	Ave	1.413			0.939	1.00		
2-Chloronaphthalene	Ave	1.105			0.945	1.00		
2-Nitroaniline	Ave	0.3242			0.839	1.00		
Dimethyl phthalate	Ave	1.175			0.950	1.00		
2,6-Dinitrotoluene	Qua				1.16	1.00		
Acenaphthylene	Ave	1.825			0.892	1.00		
3-Nitroaniline	Ave	0.2941			0.899	1.00		
Acenaphthene	Ave	1.097			0.947	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/05/2012 20:00

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: 21205029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua				2.52	2.00		
4-Nitrophenol	Ave	0.1694			0.755	1.00		
2,4-Dinitrotoluene	Qua				1.00	1.00		
Dibenzofuran	Ave	1.629			0.962	1.00		
Diethyl phthalate	Ave	1.228			0.947	1.00		
4-Chlorophenyl phenyl ether	Ave	0.6187			0.997	1.00		
Fluorene	Ave	1.308			0.947	1.00		
4-Nitroaniline	Qua				0.988	1.00		
4,6-Dinitro-2-methylphenol	Qua				0.989	1.00		
N-Nitrosodiphenylamine	Ave	0.5517			0.949	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785			0.840	1.00		
4-Bromophenyl phenyl ether	Ave	0.2040			0.945	1.00		
Hexachlorobenzene	Ave	0.2101			0.972	1.00		
Atrazine	Ave	0.1501			0.918	1.00		
Pentachlorophenol	Qua				1.67	2.00		
Phenanthrene	Ave	1.093			0.956	1.00		
Anthracene	Ave	1.086			0.945	1.00		
Carbazole	Ave	1.055			0.904	1.00		
Di-n-butyl phthalate	Ave	1.185			0.876	1.00		
Fluoranthene	Ave	1.207			0.929	1.00		
Benzidine	Qua				0.880	1.00		
Pyrene	Ave	1.276			0.926	1.00		
Butyl benzyl phthalate	Qua				0.893	1.00		
3,3'-Dichlorobenzidine	Qua				0.955	1.00		
Bis(2-ethylhexyl) phthalate	Qua				0.958	1.00		
Benzo[a]anthracene	Ave	1.116			0.920	1.00		
Chrysene	Ave	1.064			0.974	1.00		
Di-n-octyl phthalate	Qua				0.876	1.00		
Benzo[b]fluoranthene	Ave	1.276			0.949	1.00		
Benzo[k]fluoranthene	Ave	1.387			0.941	1.00		
Benzo[a]pyrene	Qua				0.940	1.00		
Indeno[1,2,3-cd]pyrene	Qua				0.779	1.00		
Dibenz(a,h)anthracene	Qua				0.859	1.00		
Benzo[g,h,i]perylene	Ave	1.145			0.692	1.00		
2-Fluorophenol (Surr)	Ave	1.236			0.832	1.00	83	35-105
Phenol-d5 (Surr)	Ave	1.570			0.874	1.00	87	40-100
Nitrobenzene-d5 (Surr)	Ave	0.3517			0.918	1.00	92	35-100
2-Fluorobiphenyl (Surr)	Ave	1.298			0.974	1.00	97	45-105
2,4,6-Tribromophenol (Surr)	Ave	0.1655			0.925	1.00	92	35-125
Terphenyl-d14 (Surr)	Ave	0.7408			0.913	1.00	91	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205029.D		
Lims ID:	mdll3	Client ID:	
Inject. Date:	05-Dec-2012 20:00:30	Dil. Factor:	1.0000
Sample Type:	LODV		
Sample ID:	240-0015541-029		
Misc. Info.:	mdll3		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	67390	Lims Sample ID:	29
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 09:00:54	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:	XAWRK028		

First Level Reviewer: gruberj Date: 06-Dec-2012 08:43:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.730	5.730	0.0	95	203878	4.00	
* 2 Naphthalene-d8	136	6.859	6.859	0.0	99	735654	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	92	428114	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	98	745790	4.00	
* 5 Chrysene-d12	240	12.052	12.057	-0.005	96	761591	4.00	
* 6 Perylene-d12	264	14.031	14.036	-0.005	92	634432	4.00	
$ 7 2-Fluorophenol	112	4.436	4.430	0.006	92	52416	0.8317	
$ 8 Phenol-d5	99	5.382	5.382	0.0	95	69964	0.8744	
$ 9 Nitrobenzene-d5	82	6.227	6.227	0.0	86	59382	0.9181	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	98	135279	0.9740	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	82	16380	0.9249	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	97	128827	0.9133	
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
24 1,4-Dioxane	88	2.045	2.023	0.022	87	25455	1.08	
25 N-Nitrosodimethylamine	74	2.489	2.462	0.027	82	33551	1.16	
26 Pyridine	79	2.542	2.494	0.048	93	40831	0.6022	
27 Ethyl methacrylate	69	3.248	3.248	0.0	89	37706	0.6693	
232 1-Methyl-2-pyrrilidinone	99		3.271					1
18 Dimethylformamide	73		3.545					9
28 3-Chloropropionitrile	54	3.714	3.703	0.011	81	23911	0.6360	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					9
32 Malononitrile	66	4.136	4.115	0.021	97	36271	0.5114	
33 Acrylamide	71	4.286	4.349	-0.063	1	219	0	
34 Methyl methanesulfonate	80		4.451					
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.462	4.536	-0.074	0	531	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.329	5.324	0.005	91	51829	0.9751	
37 2-Methylcyclohexanone	68	5.377	5.376	0.001	21	1535	0	
41 Phenol	94	5.393	5.393	0.0	97	77997	0.9143	
38 3-Methylcyclohexanone	69	5.377	5.414	-0.037	24	9018	0	
43 Aniline	93	5.425	5.425	0.0	88	95951	0.8993	
39 4-Methylcyclohexanone	55	5.527	5.462	0.065	4	2035	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.484	5.484	0.0	92	61717	0.9366	
46 2-Chlorophenol	128	5.537	5.532	0.005	93	64029	0.9290	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.676	5.677	-0.001	95	67867	0.9136	
48 1,4-Dichlorobenzene	146	5.746	5.746	0.0	90	69593	0.9431	
49 Benzyl alcohol	108	5.853	5.853	0.0	88	36250	0.8536	
50 1,2-Dichlorobenzene	146	5.885	5.885	0.0	87	68369	0.9717	
51 2-Methylphenol	108	5.944	5.944	0.0	96	55242	0.8884	
52 2,2'-oxybis[1-chloropropane]	45	5.971	5.976	-0.005	91	92043	0.9519	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.078	6.078	0.0	94	54646	0.8383	
57 Acetophenone	105	6.088	6.088	0.0	92	86013	0.9334	
56 N-Nitrosodi-n-propylamine	70	6.088	6.088	0.0	87	42063	0.9110	
60 Hexachloroethane	117	6.190	6.190	0.0	89	26626	0.8878	
55 N-Nitrosopyrrolidine	100		6.216					
61 Nitrobenzene	77	6.243	6.243	0.0	83	65436	0.9788	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.447	6.452	-0.005	97	110633	0.9428	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.522	6.522	0.0	95	26409	0.8396	
66 1,3,5-Trichlorobenzene	180	6.532	6.532	0.0	95	61168	1.05	
64 2,4-Dimethylphenol	107	6.548	6.548	0.0	93	60039	0.9709	
69 Benzoic acid	122	6.580	6.618	-0.038	82	26405	2.04	
68 Bis(2-chloroethoxy)methane	93	6.634	6.634	0.0	97	71688	0.9619	
71 2,4-Dichlorophenol	162	6.725	6.730	-0.005	95	46667	0.9549	
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	6.805	6.805	0.0	92	57421	0.9852	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.875	6.875	0.0	95	181233	0.9859	
74 4-Chloroaniline	127	6.917	6.912	0.005	84	71020	0.9064	
77 Hexachlorobutadiene	225	6.976	6.976	0.0	88	30260	0.9586	
78 1,2,3-Trichlorobenzene	180	6.998	6.998	0.0	92	54809	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					9
79 Benzothiazole	135		7.195					9
83 Caprolactam	113	7.190	7.201	-0.011	75	12799	1.05	
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.313	7.313	0.0	93	48907	0.9317	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.463	7.468	-0.005	91	113208	0.9628	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.548	7.549	-0.001	93	109349	0.9773	
87 1,2,3,5-Tetrachlorobenzene	216	7.591	7.591	0.0	96	60144	1.03	
88 Hexachlorocyclopentadiene	237	7.597	7.597	0.0	53	13569	0.3911	
90 2,4,6-Trichlorophenol	196	7.698	7.698	0.0	87	33336	0.9238	
91 2,4,5-Trichlorophenol	196	7.730	7.730	0.0	94	39459	1.02	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					1
94 2,4-Toluene diamine	121	7.843	7.843	0.0	89	33770	0.9017	
96 1,2,3,4 -Tetrachlorobenzene	216	7.848	7.848	0.0	94	56812	0	
95 1,1'-Biphenyl	154	7.853	7.859	-0.006	96	141940	0.9387	
98 2-Chloronaphthalene	162	7.880	7.880	0.0	90	111728	0.9451	
100 2-Nitroaniline	65	7.955	7.955	0.0	82	29115	0.8390	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163	8.099	8.099	0.0	98	119495	0.9504	
105 2,6-Dinitrotoluene	165	8.153	8.158	-0.005	89	22810	1.16	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.201	8.206	-0.005	86	11028	0.7905	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.233	8.233	0.0	91	174164	0.8919	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.303	8.303	0.0	95	28300	0.8991	
110 Acenaphthene	153	8.378	8.378	0.0	92	111256	0.9474	
109 2,4-Dinitrophenol	184	8.388	8.388	0.0	8	5269	2.52	
111 4-Nitrophenol	109	8.426	8.426	0.0	89	13682	0.7547	
112 2,4-Dinitrotoluene	165	8.495	8.495	0.0	88	26150	1.00	
114 Dibenzofuran	168	8.522	8.522	0.0	92	167729	0.9623	
115 2,3,5,6-Tetrachlorophenol	232	8.581	8.581	0.0	86	27229	0.8497	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.688	8.688	0.0	98	124417	0.9465	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
118 2-Naphthylamine	143		8.799					9
121 4-Chlorophenyl phenyl ether	204	8.800	8.800	0.0	88	65999	1.00	
124 Fluorene	166	8.811	8.811	0.0	85	132492	0.9466	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.816	8.816	0.0	67	25244	0.9884	
126 4,6-Dinitro-2-methylphenol	198	8.838	8.838	0.0	53	8421	0.9889	
130 N-Nitrosodiphenylamine	169	8.896	8.896	0.0	0	97638	0.9493	
120 Thionazin	97		8.901					
131 Azobenzene	77	8.934	8.934	0.0	98	121972	0.8404	
129 1,2-Diphenylhydrazine	77	8.934	8.934	0.0	0	121972	0.8404	
122 N-Nitro-o-toluidine	152		8.954					9
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248	9.212	9.212	0.0	63	35942	0.9449	
133 1,3,5-Trinitrobenzene	213		9.238					
139 Hexachlorobenzene	284	9.271	9.271	0.0	91	38068	0.9718	
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
140 Atrazine	200	9.330	9.330	0.0	87	25698	0.9181	
230 Diallate Peak 2	86		9.356					
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.431	9.431	0.0	85	34285	1.67	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.624	9.624	0.0	93	194732	0.9558	
147 Anthracene	178	9.667	9.667	0.0	96	191207	0.9446	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.795	9.795	0.0	94	177785	0.9041	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.057	10.057	0.0	99	193382	0.8756	
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	10.624	10.624	0.0	97	208978	0.9287	
156 Isodrin	66		10.655					9
158 Benzidine	184	10.720	10.720	0.0	96	61918	0.8801	
160 Pyrene	202	10.822	10.822	0.0	98	224987	0.9258	
164 4,4'-DDE	246		10.881					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.228					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.383	11.389	-0.006	94	75304	0.8928	
168 4,4'-DDT	235		11.496					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	11.961	11.961	0.0	82	17156	1.04	
173 3,3'-Dichlorobenzidine	252	11.999	11.999	0.0	66	64875	0.9546	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	11.999	11.999	0.0	65	25524	0.7981	
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	96	107445	0.9582	
175 Benzo[a]anthracene	228	12.041	12.041	0.0	96	195592	0.9203	
176 Chrysene	228	12.084	12.090	-0.006	91	197333	0.9742	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.886	12.881	0.005	96	124330	0.8755	
180 Benzo[b]fluoranthene	252	13.469	13.475	-0.006	93	192108	0.9492	
181 Benzo[k]fluoranthene	252	13.512	13.518	-0.006	93	207051	0.9415	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.951	13.951	0.0	76	169406	0.9396	
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	15.625	15.630	-0.005	94	157341	0.7787	
187 Dibenz(a,h)anthracene	278	15.652	15.657	-0.005	57	135871	0.8592	
188 Benzo[g,h,i]perylene	276	16.026	16.031	-0.005	94	125671	0.6919	
S 189 Methyl Phenols,Total	100				0		0.8884	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.072	3.050	0.022	1	66	0	
T 194 Octadecane (TIC)	254	6.366	6.300	0.066	1	60	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

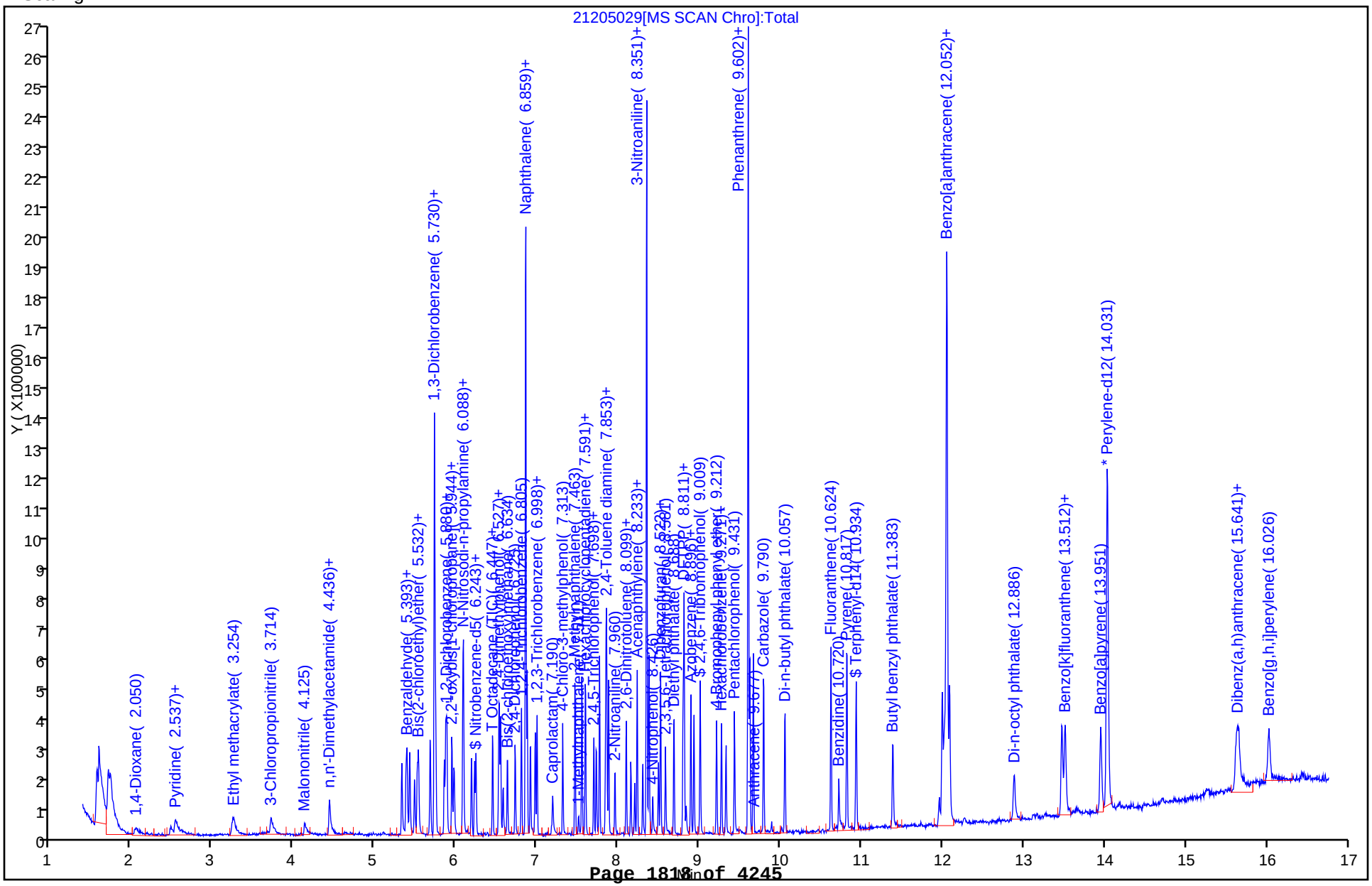
Report Date: 06-Dec-2012 09:25:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205029.D

Injection Date:	05-Dec-2012 20:00:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	29
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.: 240-17796-1

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.: 240-17796-1

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

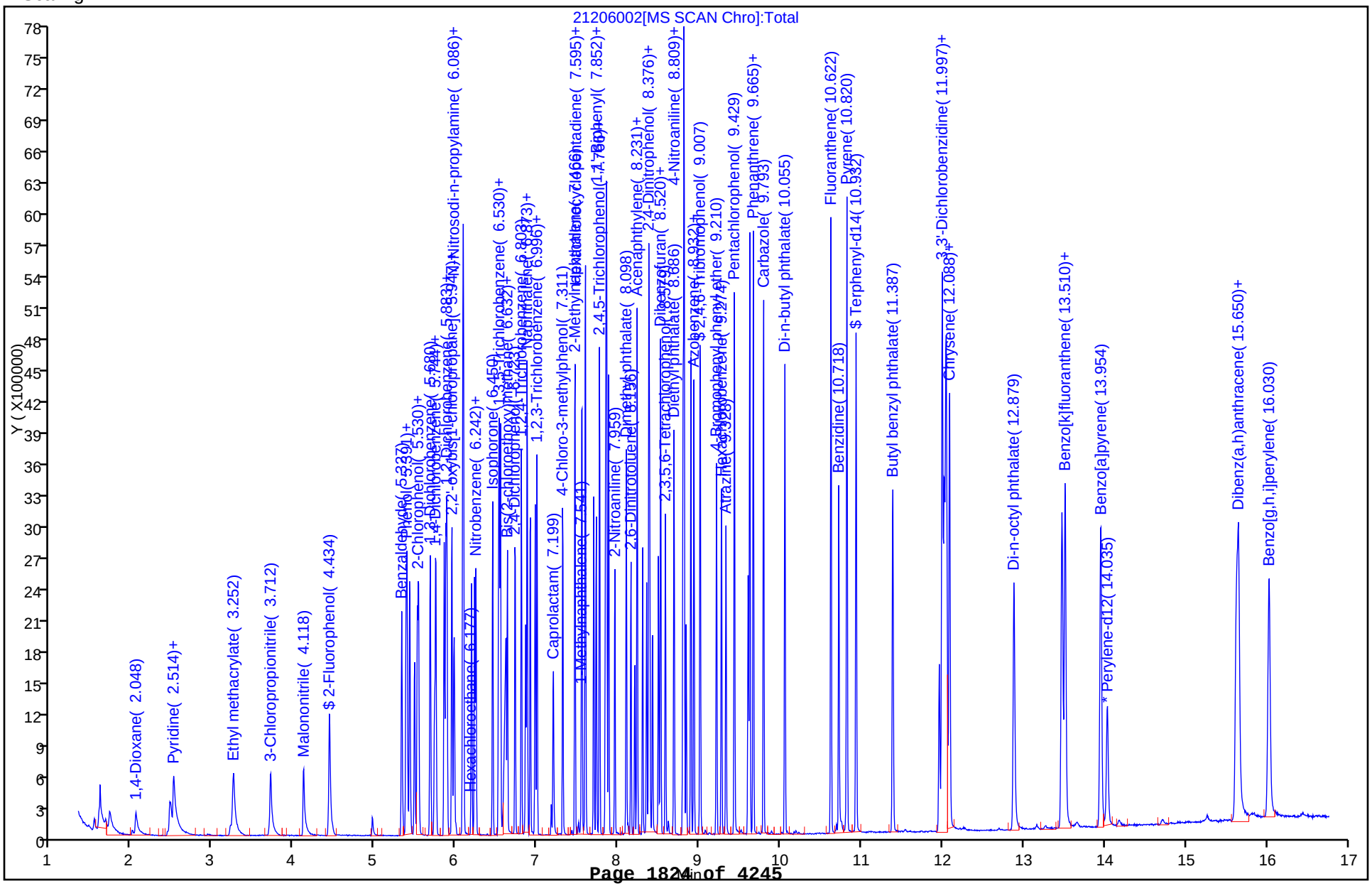
Report Date: 07-Dec-2012 12:54:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

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

Report Date: 07-Dec-2012 14:14:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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

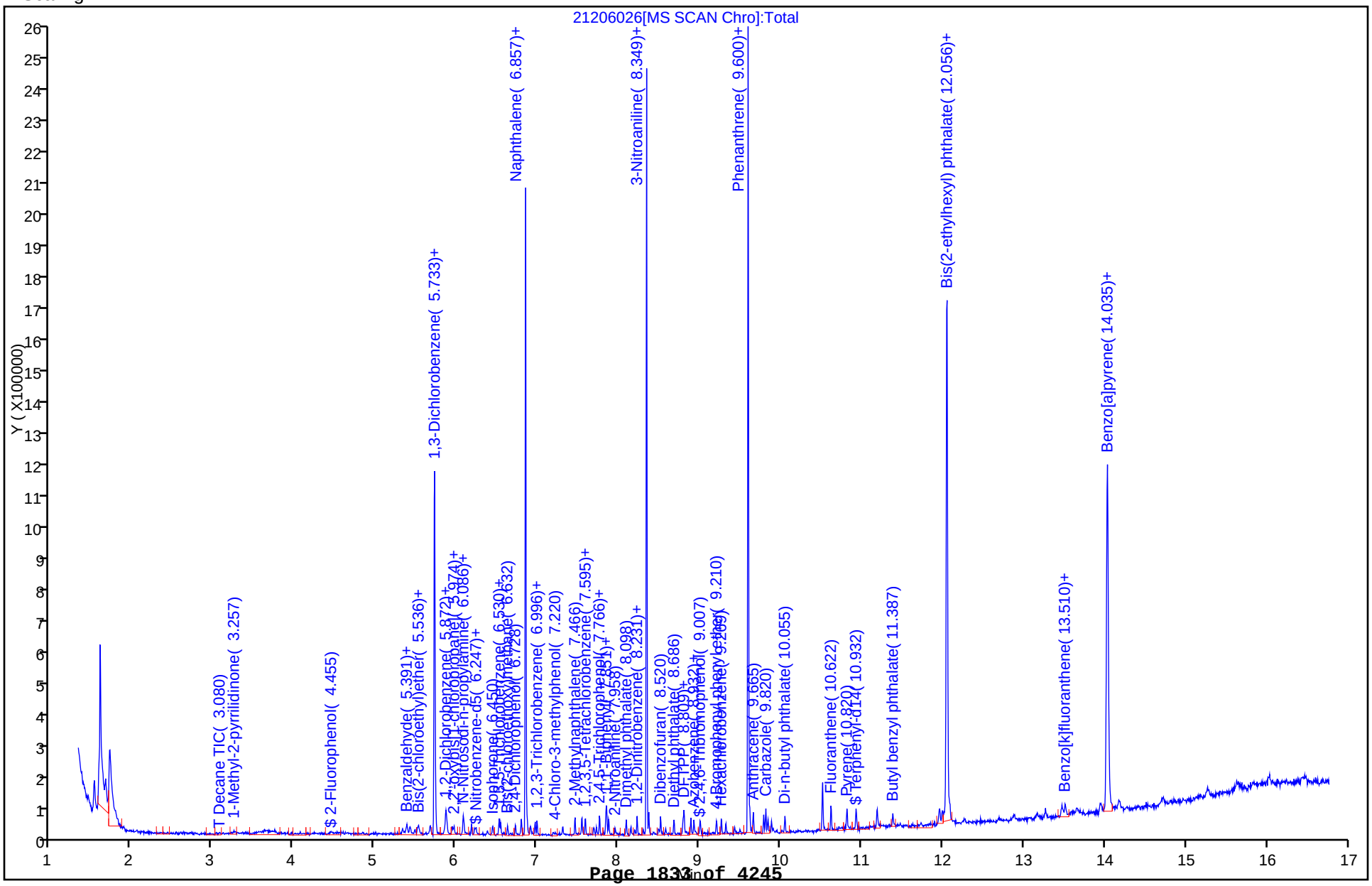
Report Date: 07-Dec-2012 14:14:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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

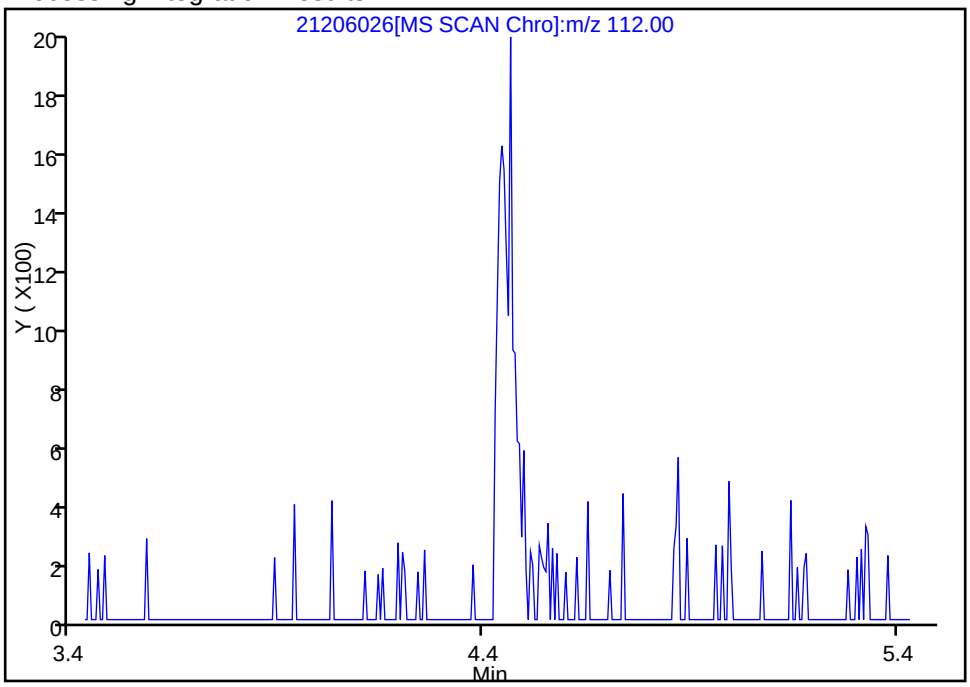
TestAmerica Canton

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

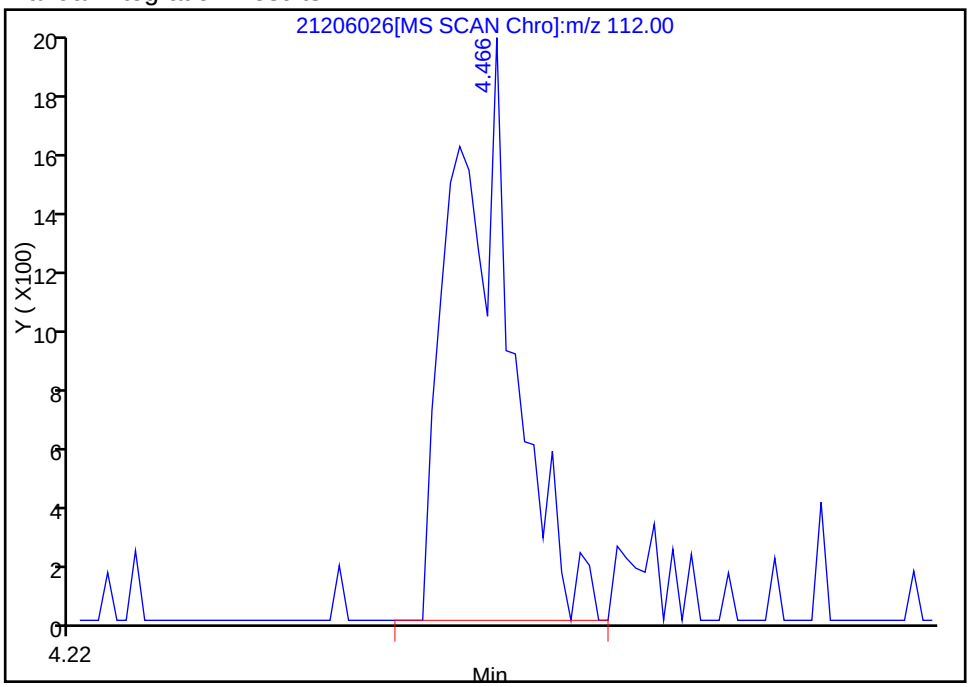
Processing Integration Results

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

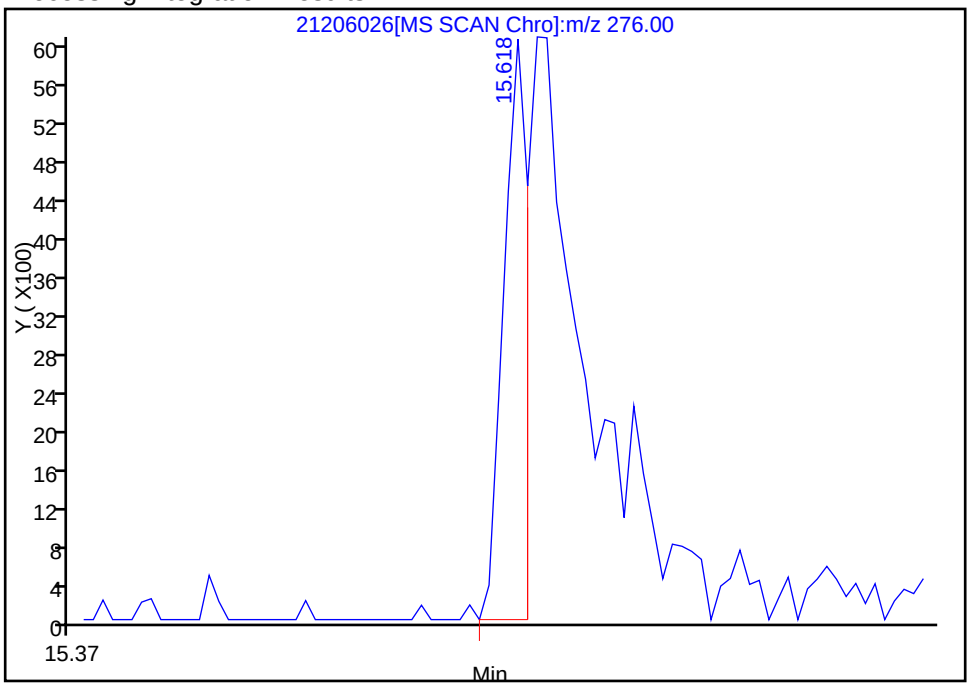
TestAmerica Canton

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

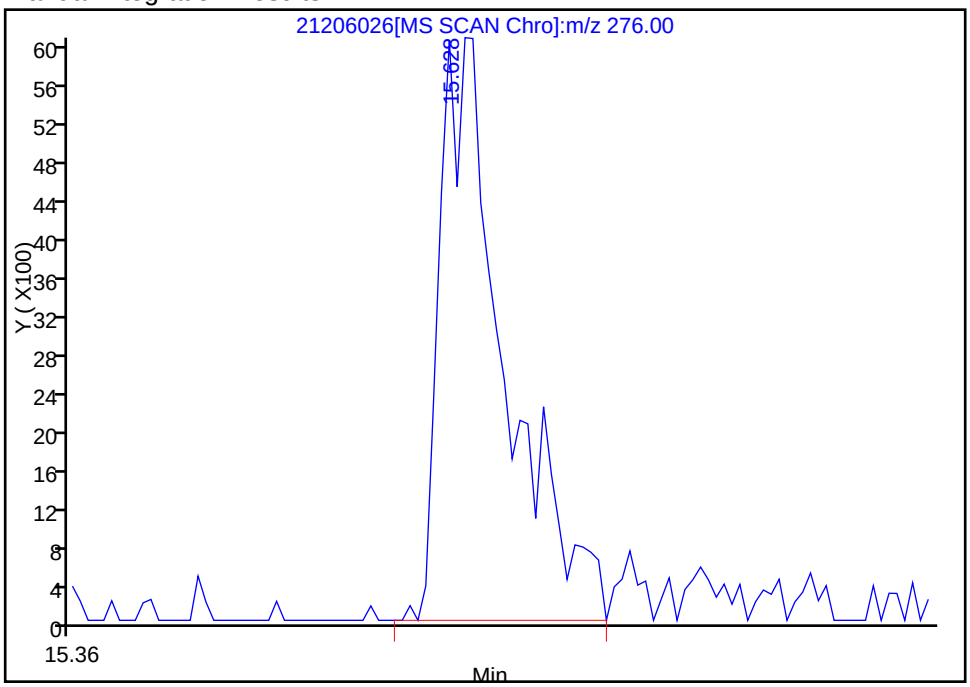
Processing Integration Results

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

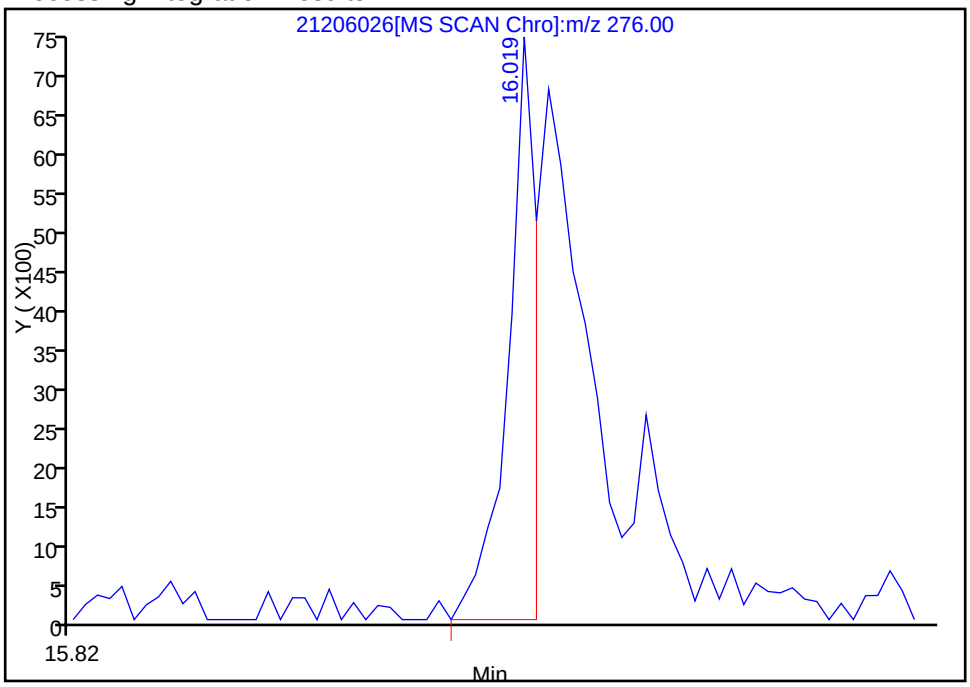
TestAmerica Canton

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

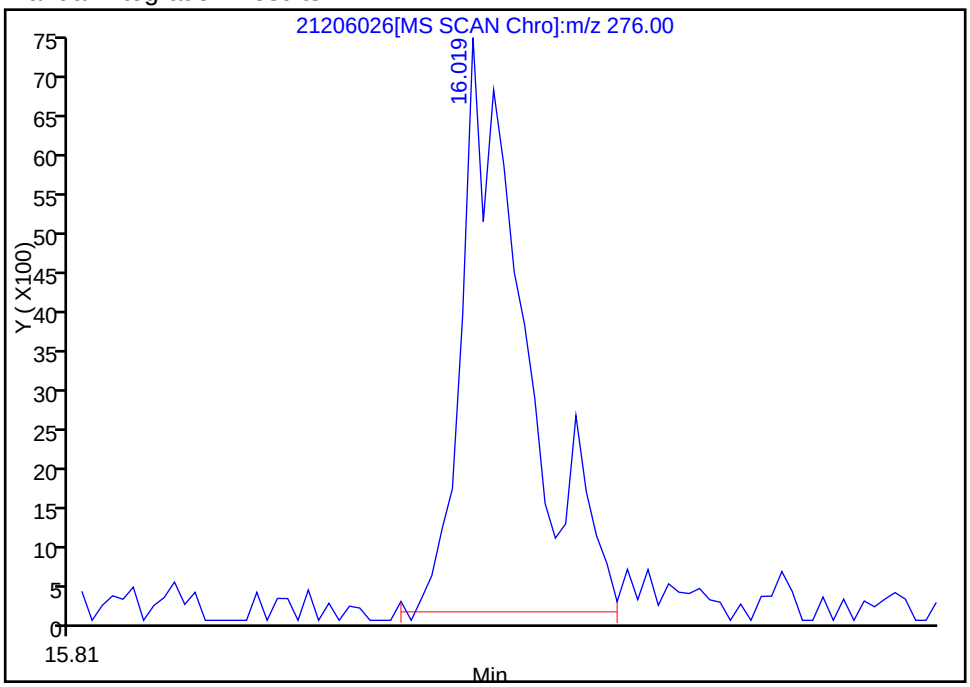
Processing Integration Results

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.: 240-17796-1

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.: 240-17796-1

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

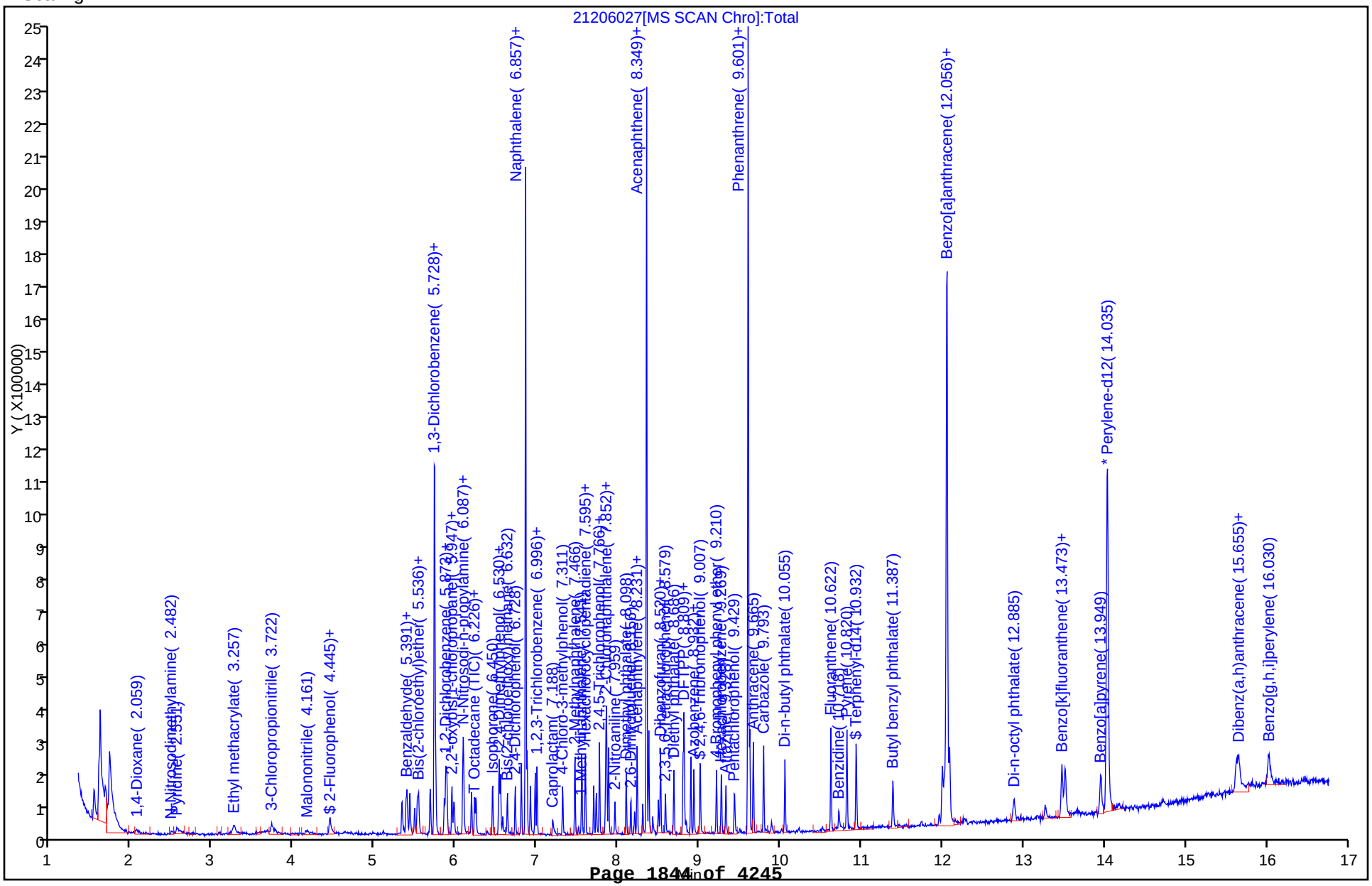
Report Date: 07-Dec-2012 14:14:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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

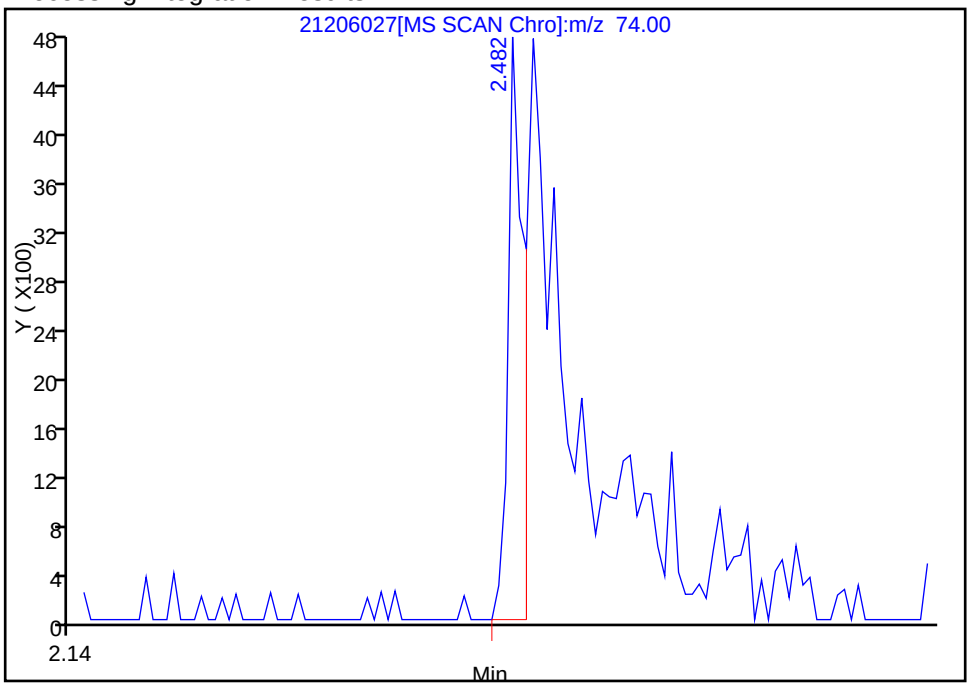
TestAmerica Canton

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

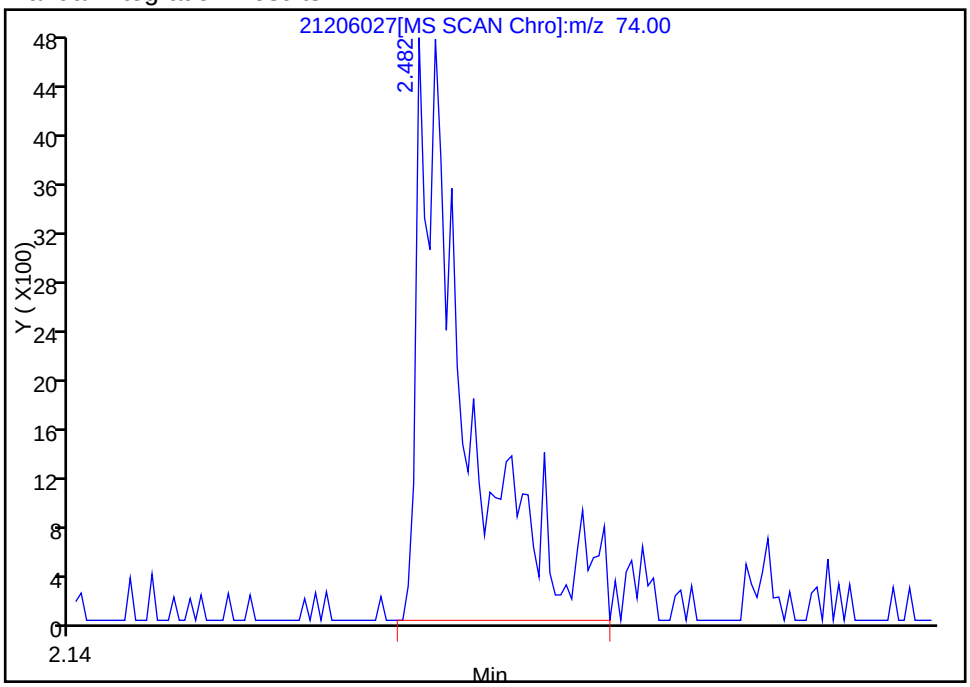
Processing Integration Results

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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-67761/2 Calibration Date: 12/07/2012 11:18

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: 21207002.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	0.4109	0.0500	8.85	10.0	-11.5	20.0
N-Nitrosodimethylamine	Qua		0.6779	0.0500	8.53	10.0	-14.7	20.0
Pyridine	Ave	1.330	1.226	0.0500	9.22	10.0	-7.8	20.0
Benzaldehyde	Ave	1.043	0.8914	0.0500	8.55	10.0	-14.5	20.0
Phenol	Ave	1.674	1.560	0.0500	9.32	10.0	-6.8	20.0
Aniline	Ave	2.093	1.890	0.0500	9.03	10.0	-9.7	20.0
Bis(2-chloroethyl)ether	Ave	1.293	1.168	0.0500	9.04	10.0	-9.6	20.0
2-Chlorophenol	Ave	1.352	1.279	0.0500	9.46	10.0	-5.4	20.0
1,3-Dichlorobenzene	Ave	1.457	1.361	0.0500	9.34	10.0	-6.6	20.0
1,4-Dichlorobenzene	Ave	1.448	1.332	0.0500	9.20	10.0	-8.0	20.0
Benzyl alcohol	Ave	0.8332	0.7847	0.0500	9.42	10.0	-5.8	20.0
1,2-Dichlorobenzene	Ave	1.380	1.289	0.0500	9.33	10.0	-6.7	20.0
2-Methylphenol	Ave	1.220	1.105	0.0500	9.06	10.0	-9.4	20.0
3 & 4 Methylphenol	Ave	1.279	1.169	0.0500	9.14	10.0	-8.6	20.0
N-Nitrosodi-n-propylamine	Ave	0.9059	0.8352	0.0500	9.22	10.0	-7.8	20.0
Acetophenone	Ave	1.808	1.670	0.0500	9.24	10.0	-7.6	20.0
Hexachloroethane	Ave	0.5884	0.5392	0.0500	9.16	10.0	-8.4	20.0
Nitrobenzene	Ave	0.3635	0.3535	0.0500	9.73	10.0	-2.7	20.0
Isophorone	Ave	0.6380	0.6183	0.0500	9.69	10.0	-3.1	20.0
2-Nitrophenol	Ave	0.1710	0.1707	0.0500	9.98	10.0	-0.2	20.0
2,4-Dimethylphenol	Ave	0.3362	0.3365	0.0500	10.0	10.0	0.0	20.0
Benzoic acid	Qua		0.1865	0.0500	17.0	20.0	-15.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.4052	0.3755	0.0500	9.27	10.0	-7.3	20.0
2,4-Dichlorophenol	Ave	0.2657	0.2709	0.0500	10.2	10.0	2.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3169	0.3177	0.0500	10.0	10.0	0.2	20.0
Naphthalene	Ave	0.999	0.9522	0.0500	9.53	10.0	-4.7	20.0
Hexachlorobutadiene	Ave	0.1716	0.1765	0.0500	10.3	10.0	2.8	20.0
Caprolactam	Qua		0.0971	0.0500	9.59	10.0	-4.1	20.0
4-Chloro-3-methylphenol	Ave	0.2854	0.2912	0.0500	10.2	10.0	2.0	20.0
2-Methylnaphthalene	Ave	0.6393	0.6126	0.0500	9.58	10.0	-4.2	20.0
Hexachlorocyclopentadiene	Ave	0.3241	0.2721	0.0500	8.39	10.0	-16.1	20.0
2,4,6-Trichlorophenol	Ave	0.3372	0.3216	0.0500	9.54	10.0	-4.6	20.0
2,4,5-Trichlorophenol	Ave	0.3632	0.3519	0.0500	9.69	10.0	-3.1	20.0
1,1'-Biphenyl	Ave	1.413	1.261	0.0500	8.93	10.0	-10.7	20.0
2-Chloronaphthalene	Ave	1.105	1.013	0.0500	9.18	10.0	-8.2	20.0
2-Nitroaniline	Ave	0.3242	0.3146	0.0500	9.70	10.0	-3.0	20.0
Dimethyl phthalate	Ave	1.175	1.105	0.0500	9.41	10.0	-5.9	20.0
2,6-Dinitrotoluene	Qua		0.2473	0.0500	9.20	10.0	-8.0	20.0
Acenaphthylene	Ave	1.825	1.711	0.0500	9.38	10.0	-6.2	20.0
3-Nitroaniline	Ave	0.2941	0.2848	0.0500	9.69	10.0	-3.1	20.0
Acenaphthene	Ave	1.097	0.999	0.0500	9.10	10.0	-9.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-67761/2 Calibration Date: 12/07/2012 11:18

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: 21207002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua		0.1515	0.0500	16.7	20.0	-16.3	20.0
4-Nitrophenol	Ave	0.1694	0.1692	0.0500	9.99	10.0	-0.1	20.0
2,4-Dinitrotoluene	Qua		0.3421	0.0500	9.43	10.0	-5.7	20.0
Dibenzofuran	Ave	1.629	1.472	0.0500	9.04	10.0	-9.6	20.0
Diethyl phthalate	Ave	1.228	1.144	0.0500	9.32	10.0	-6.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.6187	0.5780	0.0500	9.34	10.0	-6.6	20.0
Fluorene	Ave	1.308	1.183	0.0500	9.05	10.0	-9.5	20.0
4-Nitroaniline	Qua		0.2852	0.0500	8.88	10.0	-11.2	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1186	0.0500	9.06	10.0	-9.4	20.0
N-Nitrosodiphenylamine	Ave	0.5517	0.5099	0.0500	9.24	10.0	-7.6	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785	0.7069	0.0500	9.08	10.0	-9.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2040	0.1964	0.0500	9.63	10.0	-3.7	20.0
Hexachlorobenzene	Ave	0.2101	0.2038	0.0500	9.70	10.0	-3.0	20.0
Atrazine	Ave	0.1501	0.1544	0.0500	10.3	10.0	2.8	20.0
Pentachlorophenol	Qua		0.1346	0.0500	18.9	20.0	-5.4	20.0
Phenanthrene	Ave	1.093	0.9849	0.0500	9.01	10.0	-9.9	20.0
Anthracene	Ave	1.086	1.018	0.0500	9.38	10.0	-6.2	20.0
Carbazole	Ave	1.055	0.997	0.0500	9.45	10.0	-5.5	20.0
Di-n-butyl phthalate	Ave	1.185	1.112	0.0500	9.39	10.0	-6.1	20.0
Fluoranthene	Ave	1.207	1.146	0.0500	9.50	10.0	-5.0	20.0
Benzidine	Qua		0.5832	0.0500	8.60	10.0	-14.0	20.0
Pyrene	Ave	1.276	1.179	0.0500	9.23	10.0	-7.7	20.0
Butyl benzyl phthalate	Qua		0.4588	0.0500	8.77	10.0	-12.3	20.0
3,3'-Dichlorobenzidine	Qua		0.4053	0.0500	9.12	10.0	-8.8	20.0
Bis(2-ethylhexyl) phthalate	Qua		0.6493	0.0500	8.76	10.0	-12.4	20.0
Benzo[a]anthracene	Ave	1.116	1.050	0.0500	9.40	10.0	-6.0	20.0
Chrysene	Ave	1.064	0.9886	0.0500	9.29	10.0	-7.1	20.0
Di-n-octyl phthalate	Qua		1.227	0.0500	8.54	10.0	-14.6	20.0
Benzo[b]fluoranthene	Ave	1.276	1.246	0.0500	9.77	10.0	-2.3	20.0
Benzo[k]fluoranthene	Ave	1.387	1.328	0.0500	9.58	10.0	-4.2	20.0
Benzo[a]pyrene	Qua		1.203	0.0500	9.13	10.0	-8.7	20.0
Indeno[1,2,3-cd]pyrene	Qua		1.369	0.0500	9.45	10.0	-5.5	20.0
Dibenz(a,h)anthracene	Qua		1.149	0.0500	9.31	10.0	-6.9	20.0
Benzo[g,h,i]perylene	Ave	1.145	1.183	0.0500	10.3	10.0	3.3	20.0
2-Fluorophenol (Surr)	Ave	1.236	1.147	0.0500	9.28	10.0	-7.2	20.0
Phenol-d5 (Surr)	Ave	1.570	1.457	0.0500	9.28	10.0	-7.2	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3517	0.3472	0.0500	9.87	10.0	-1.3	20.0
2-Fluorobiphenyl (Surr)	Ave	1.298	1.197	0.0500	9.22	10.0	-7.8	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1655	0.1663	0.0500	10.1	10.0	0.5	20.0
Terphenyl-d14 (Surr)	Ave	0.7408	0.6771	0.0500	9.14	10.0	-8.6	20.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207002.D
Lims ID: ccv tcl Client ID:
Inject. Date: 07-Dec-2012 11:18:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015633-002
Misc. Info.: ccv tcl =CCV TCL
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 67761 Lims Sample ID: 2
Sublist: chrom-8270_hp7*sub15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\8270_hp7.m
Last Update: 10-Dec-2012 11:29:09 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: XAWRK015

First Level Reviewer: gruberj Date: 07-Dec-2012 12:30:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.700	5.700	0.0	94	192388	4.00	
* 2 Naphthalene-d8	136	6.823	6.823	0.0	100	712915	4.00	
* 3 Acenaphthene-d10	164	8.315	8.315	0.0	93	433397	4.00	
* 4 Phenanthrene-d10	188	9.567	9.567	0.0	97	749435	4.00	
* 5 Chrysene-d12	240	12.006	12.006	0.0	87	774127	4.00	
* 6 Perylene-d12	264	13.969	13.969	0.0	96	630508	4.00	
$ 7 2-Fluorophenol	112	4.394	4.394	0.0	94	551649	9.28	
$ 8 Phenol-d5	99	5.347	5.347	0.0	96	700976	9.28	
$ 9 Nitrobenzene-d5	82	6.192	6.192	0.0	89	618760	9.87	
$ 10 2-Fluorobiphenyl (Surr)	172	7.737	7.737	0.0	99	1296989	9.22	
$ 11 2,4,6-Tribromophenol	330	8.978	8.978	0.0	90	180231	10.1	
$ 12 Terphenyl-d14	244	10.898	10.898	0.0	98	1310310	9.14	
24 1,4-Dioxane	88	1.998	1.998	0.0	92	197642	8.85	
25 N-Nitrosodimethylamine	74	2.410	2.410	0.0	87	326066	8.53	
26 Pyridine	79	2.453	2.453	0.0	94	589887	9.22	
27 Ethyl methacrylate	69	3.191	3.191	0.0	90	454106	8.54	
28 3-Chloropropionitrile	54	3.662	3.662	0.0	88	339276	9.56	
32 Malononitrile	66	4.074	4.074	0.0	100	636976	9.52	
40 Benzaldehyde	77	5.293	5.293	0.0	91	428754	8.55	
41 Phenol	94	5.357	5.357	0.0	99	750198	9.32	
43 Aniline	93	5.389	5.389	0.0	96	908965	9.03	
44 Bis(2-chloroethyl)ether	93	5.454	5.454	0.0	95	561914	9.04	
46 2-Chlorophenol	128	5.502	5.502	0.0	96	614975	9.46	
47 1,3-Dichlorobenzene	146	5.646	5.646	0.0	97	654787	9.34	
48 1,4-Dichlorobenzene	146	5.716	5.716	0.0	92	640497	9.20	
49 Benzyl alcohol	108	5.817	5.817	0.0	92	377438	9.42	
50 1,2-Dichlorobenzene	146	5.849	5.849	0.0	87	619731	9.33	
51 2-Methylphenol	108	5.914	5.914	0.0	96	531691	9.06	
52 2,2'-oxybis[1-chloropropane]	45	5.940	5.940	0.0	91	817225	8.96	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.047	6.047	0.0	96	562377	9.14	
56 N-Nitrosodi-n-propylamine	70	6.053	6.053	0.0	88	401709	9.22	
57 Acetophenone	105	6.058	6.058	0.0	92	803388	9.24	
60 Hexachloroethane	117	6.154	6.154	0.0	92	259348	9.16	
61 Nitrobenzene	77	6.208	6.208	0.0	84	630076	9.73	
63 Isophorone	82	6.416	6.416	0.0	98	1102060	9.69	
65 2-Nitrophenol	139	6.491	6.491	0.0	94	304214	9.98	
66 1,3,5-Trichlorobenzene	180	6.497	6.497	0.0	95	572664	10.1	
64 2,4-Dimethylphenol	107	6.513	6.513	0.0	87	599648	10.0	
69 Benzoic acid	122	6.582	6.582	0.0	86	664692	17.0	
68 Bis(2-chloroethoxy)methane	93	6.598	6.598	0.0	93	669179	9.27	
71 2,4-Dichlorophenol	162	6.694	6.694	0.0	93	482838	10.2	
72 1,2,4-Trichlorobenzene	180	6.769	6.769	0.0	92	566191	10.0	
73 Naphthalene	128	6.844	6.844	0.0	96	1697063	9.53	
74 4-Chloroaniline	127	6.882	6.882	0.0	84	745329	9.82	
77 Hexachlorobutadiene	225	6.940	6.940	0.0	94	314535	10.3	
78 1,2,3-Trichlorobenzene	180	6.962	6.962	0.0	91	525376	0	
83 Caprolactam	113	7.165	7.165	0.0	74	172963	9.59	
84 4-Chloro-3-methylphenol	107	7.283	7.283	0.0	94	518988	10.2	
85 2-Methylnaphthalene	142	7.433	7.433	0.0	90	1091734	9.58	
86 1-Methylnaphthalene	142	7.518	7.518	0.0	91	1063681	9.81	
87 1,2,3,5-Tetrachlorobenzene	216	7.561	7.561	0.0	96	544694	9.25	
88 Hexachlorocyclopentadiene	237	7.561	7.561	0.0	90	294837	8.39	
90 2,4,6-Trichlorophenol	196	7.663	7.663	0.0	93	348493	9.54	
91 2,4,5-Trichlorophenol	196	7.695	7.695	0.0	95	381227	9.69	
94 2,4-Toluene diamine	121	7.807	7.807	0.0	98	364494	10.0	
96 1,2,3,4 -Tetrachlorobenzene	216	7.812	7.812	0.0	95	523648	0	
95 1,1'-Biphenyl	154	7.823	7.823	0.0	95	1366737	8.93	
98 2-Chloronaphthalene	162	7.844	7.844	0.0	96	1098098	9.18	
100 2-Nitroaniline	65	7.925	7.925	0.0	84	340885	9.70	
103 Dimethyl phthalate	163	8.069	8.069	0.0	99	1197573	9.41	
105 2,6-Dinitrotoluene	165	8.122	8.122	0.0	94	267905	9.20	
106 1,2-Dinitrobenzene	168	8.171	8.171	0.0	88	140142	9.92	
107 Acenaphthylene	152	8.197	8.197	0.0	91	1854253	9.38	
108 3-Nitroaniline	138	8.267	8.267	0.0	93	308626	9.69	
110 Acenaphthene	153	8.342	8.342	0.0	95	1081910	9.10	
109 2,4-Dinitrophenol	184	8.358	8.358	0.0	62	328317	16.7	
111 4-Nitrophenol	109	8.390	8.390	0.0	94	183301	9.99	
112 2,4-Dinitrotoluene	165	8.465	8.465	0.0	90	370611	9.43	
114 Dibenzofuran	168	8.486	8.486	0.0	88	1594851	9.04	
115 2,3,5,6-Tetrachlorophenol	232	8.550	8.550	0.0	89	312115	9.62	
119 Diethyl phthalate	149	8.657	8.657	0.0	98	1239788	9.32	
121 4-Chlorophenyl phenyl ether	204	8.764	8.764	0.0	94	626289	9.34	
124 Fluorene	166	8.775	8.775	0.0	93	1281828	9.05	
123 4-Nitroaniline	138	8.780	8.780	0.0	80	309018	8.88	
126 4,6-Dinitro-2-methylphenol	198	8.807	8.807	0.0	78	222258	9.06	
130 N-Nitrosodiphenylamine	169	8.861	8.861	0.0	0	955345	9.24	
131 Azobenzene	77	8.898	8.898	0.0	99	1324820	9.08	
129 1,2-Diphenylhydrazine	77	8.898	8.898	0.0	0	1324391	9.08	
137 4-Bromophenyl phenyl ether	248	9.182	9.182	0.0	62	367972	9.63	
139 Hexachlorobenzene	284	9.240	9.240	0.0	90	381741	9.70	
140 Atrazine	200	9.299	9.299	0.0	91	289285	10.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.401	9.401	0.0	87	504383	18.9	
146 Phenanthrene	178	9.588	9.588	0.0	97	1845199	9.01	
147 Anthracene	178	9.631	9.631	0.0	97	1907893	9.38	
149 Carbazole	167	9.759	9.759	0.0	82	1867149	9.45	
151 Di-n-butyl phthalate	149	10.021	10.021	0.0	100	2084348	9.39	
157 Fluoranthene	202	10.588	10.588	0.0	97	2147106	9.50	
158 Benzidine	184	10.684	10.684	0.0	99	1128737	8.60	
160 Pyrene	202	10.781	10.781	0.0	98	2281179	9.23	
166 Butyl benzyl phthalate	149	11.348	11.348	0.0	96	887963	8.77	
170 3,3'-Dimethoxybenzidine	244	11.915	11.915	0.0	95	432048	8.29	
173 3,3'-Dichlorobenzidine	252	11.947	11.947	0.0	66	784371	9.12	
172 4,4'-Methylene bis(2-chloroanili	231	11.952	11.952	0.0	82	371135	9.44	
171 Bis(2-ethylhexyl) phthalate	149	11.979	11.979	0.0	94	1256513	8.76	
175 Benzo[a]anthracene	228	11.995	11.995	0.0	95	2031559	9.40	
176 Chrysene	228	12.038	12.038	0.0	94	1913216	9.29	
178 Di-n-octyl phthalate	149	12.829	12.829	0.0	99	1934303	8.54	
180 Benzo[b]fluoranthene	252	13.412	13.412	0.0	94	1964160	9.77	
181 Benzo[k]fluoranthene	252	13.455	13.455	0.0	95	2093226	9.58	
182 Benzo[a]pyrene	252	13.888	13.888	0.0	77	1895859	9.13	
186 Indeno[1,2,3-cd]pyrene	276	15.557	15.557	0.0	98	2157626	9.45	
187 Dibenz(a,h)anthracene	278	15.578	15.578	0.0	70	1811355	9.31	
188 Benzo[g,h,i]perylene	276	15.953	15.953	0.0	91	1864739	10.3	
S 189 Methyl Phenols,Total	100				0		9.06	

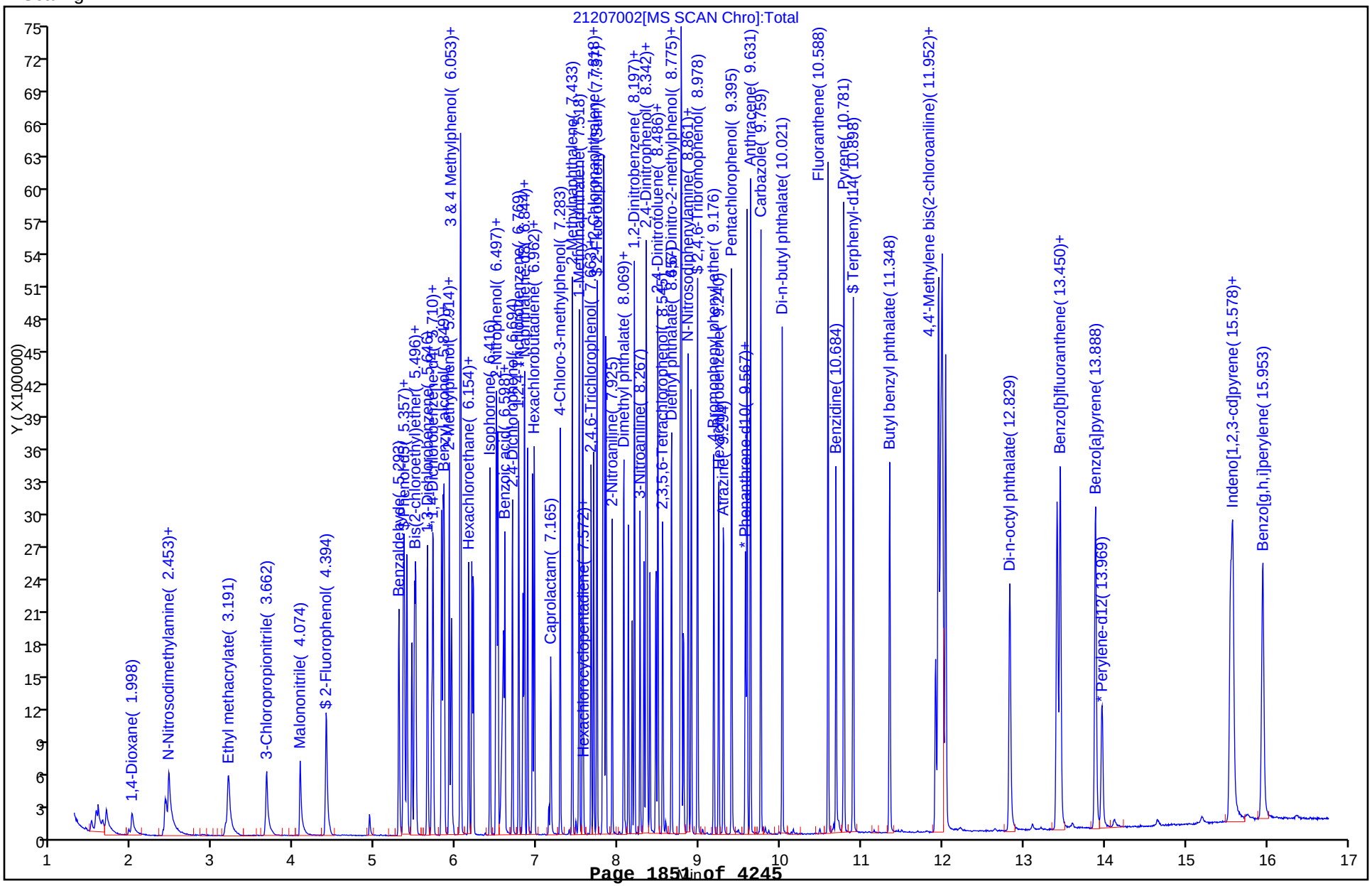
Report Date: 10-Dec-2012 11:29:09 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207002.D

Injection Date:	07-Dec-2012 11:18:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67761	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.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-68148/2 Calibration Date: 12/11/2012 10:48

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: 21211002.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	0.3990		8.60	10.0	-14.0	
N-Nitrosodimethylamine	Qua		0.6808		8.57	10.0	-14.3	
Pyridine	Ave	1.330	1.183		8.89	10.0	-11.1	
Benzaldehyde	Ave	1.043	0.9124		8.75	10.0	-12.5	
Phenol	Ave	1.674	1.583		9.46	10.0	-5.4	
Aniline	Ave	2.093	1.932		9.23	10.0	-7.7	
Bis(2-chloroethyl)ether	Ave	1.293	1.191		9.21	10.0	-7.9	
2-Chlorophenol	Ave	1.352	1.269		9.39	10.0	-6.1	
1,3-Dichlorobenzene	Ave	1.457	1.380		9.47	10.0	-5.3	
1,4-Dichlorobenzene	Ave	1.448	1.356		9.36	10.0	-6.4	
Benzyl alcohol	Ave	0.8332	0.7896		9.48	10.0	-5.2	
1,2-Dichlorobenzene	Ave	1.380	1.312		9.51	10.0	-4.9	
2-Methylphenol	Ave	1.220	1.129		9.26	10.0	-7.4	
3 & 4 Methylphenol	Ave	1.279	1.204		9.41	10.0	-5.9	
Acetophenone	Ave	1.808	1.661		9.19	10.0	-8.1	
N-Nitrosodi-n-propylamine	Ave	0.9059	0.8465		9.34	10.0	-6.6	
Hexachloroethane	Ave	0.5884	0.5589		9.50	10.0	-5.0	
Nitrobenzene	Ave	0.3635	0.3535		9.73	10.0	-2.7	
Isophorone	Ave	0.6380	0.6347		9.95	10.0	-0.5	
2-Nitrophenol	Ave	0.1710	0.1707		9.98	10.0	-0.2	
2,4-Dimethylphenol	Ave	0.3362	0.3296		9.80	10.0	-2.0	
Benzoic acid	Qua		0.1865		17.0	20.0	-15.0	
Bis(2-chloroethoxy)methane	Ave	0.4052	0.3794		9.36	10.0	-6.4	
2,4-Dichlorophenol	Ave	0.2657	0.2658		10.0	10.0	0.0	
1,2,4-Trichlorobenzene	Ave	0.3169	0.3082		9.73	10.0	-2.7	
Naphthalene	Ave	0.999	0.9683		9.69	10.0	-3.1	
Hexachlorobutadiene	Ave	0.1716	0.1738		10.1	10.0	1.3	
Caprolactam	Qua		0.1002		9.92	10.0	-0.8	
4-Chloro-3-methylphenol	Ave	0.2854	0.2942		10.3	10.0	3.1	
2-Methylnaphthalene	Ave	0.6393	0.6186		9.68	10.0	-3.2	
Hexachlorocyclopentadiene	Ave	0.3241	0.2872		8.86	10.0	-11.4	
2,4,6-Trichlorophenol	Ave	0.3372	0.3381		10.0	10.0	0.3	
2,4,5-Trichlorophenol	Ave	0.3632	0.3582		9.86	10.0	-1.4	
1,1'-Biphenyl	Ave	1.413	1.279		9.05	10.0	-9.5	
2-Chloronaphthalene	Ave	1.105	1.007		9.12	10.0	-8.8	
2-Nitroaniline	Ave	0.3242	0.3158		9.74	10.0	-2.6	
Dimethyl phthalate	Ave	1.175	1.115		9.49	10.0	-5.1	
2,6-Dinitrotoluene	Qua		0.2520		9.37	10.0	-6.3	
Acenaphthylene	Ave	1.825	1.685		9.23	10.0	-7.7	
3-Nitroaniline	Ave	0.2941	0.2942		10.0	10.0	0.0	
Acenaphthene	Ave	1.097	1.004		9.15	10.0	-8.5	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-68148/2 Calibration Date: 12/11/2012 10:48

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: 21211002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Qua		0.1701		18.5	20.0	-7.4	
4-Nitrophenol	Ave	0.1694	0.1789		10.6	10.0	5.6	
2,4-Dinitrotoluene	Qua		0.3434		9.47	10.0	-5.3	
Dibenzofuran	Ave	1.629	1.480		9.09	10.0	-9.1	
Diethyl phthalate	Ave	1.228	1.193		9.71	10.0	-2.9	
4-Chlorophenyl phenyl ether	Ave	0.6187	0.5859		9.47	10.0	-5.3	
Fluorene	Ave	1.308	1.216		9.30	10.0	-7.0	
4-Nitroaniline	Qua		0.3091		9.60	10.0	-4.0	
4,6-Dinitro-2-methylphenol	Qua		0.1220		9.30	10.0	-7.0	
N-Nitrosodiphenylamine	Ave	0.5517	0.5124		9.29	10.0	-7.1	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	0.7785	0.7007		9.00	10.0	-10.0	
4-Bromophenyl phenyl ether	Ave	0.2040	0.1970		9.66	10.0	-3.4	
Hexachlorobenzene	Ave	0.2101	0.1963		9.34	10.0	-6.6	
Atrazine	Ave	0.1501	0.1537		10.2	10.0	2.4	
Pentachlorophenol	Qua		0.1279		18.0	20.0	-9.9	
Phenanthrene	Ave	1.093	0.9724		8.90	10.0	-11.0	
Anthracene	Ave	1.086	1.009		9.29	10.0	-7.1	
Carbazole	Ave	1.055	0.9798		9.29	10.0	-7.1	
Di-n-butyl phthalate	Ave	1.185	1.154		9.75	10.0	-2.5	
Fluoranthene	Ave	1.207	1.148		9.52	10.0	-4.8	
Benzidine	Qua		0.6232		9.13	10.0	-8.7	
Pyrene	Ave	1.276	1.170		9.17	10.0	-8.3	
Butyl benzyl phthalate	Qua		0.4803		9.16	10.0	-8.4	
3,3'-Dichlorobenzidine	Qua		0.4085		9.19	10.0	-8.1	
Bis(2-ethylhexyl) phthalate	Qua		0.6783		9.14	10.0	-8.6	
Benzo[a]anthracene	Ave	1.116	0.998		8.94	10.0	-10.6	
Chrysene	Ave	1.064	0.9563		8.99	10.0	-10.1	
Di-n-octyl phthalate	Qua		1.357		9.37	10.0	-6.3	
Benzo[b]fluoranthene	Ave	1.276	1.264		9.90	10.0	-1.0	
Benzo[k]fluoranthene	Ave	1.387	1.318		9.50	10.0	-5.0	
Benzo[a]pyrene	Qua		1.206		9.15	10.0	-8.5	
Indeno[1,2,3-cd]pyrene	Qua		1.299		8.99	10.0	-10.1	
Dibenz(a,h)anthracene	Qua		1.097		8.90	10.0	-11.0	
Benzo[g,h,i]perylene	Ave	1.145	1.102		9.62	10.0	-3.8	
2-Fluorophenol (Surr)	Ave	1.236	1.158		9.36	10.0	-6.4	
Phenol-d5 (Surr)	Ave	1.570	1.486		9.46	10.0	-5.4	
Nitrobenzene-d5 (Surr)	Ave	0.3517	0.3508		9.98	10.0	-0.2	
2-Fluorobiphenyl (Surr)	Ave	1.298	1.201		9.26	10.0	-7.4	
2,4,6-Tribromophenol (Surr)	Ave	0.1655	0.1688		10.2	10.0	2.0	
Terphenyl-d14 (Surr)	Ave	0.7408	0.6773		9.14	10.0	-8.6	

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211002.D		
Lims ID:	ccv tcl	Client ID:	
Inject. Date:	11-Dec-2012 10:48:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	240-0015716-002		
Misc. Info.:	ccv tcl =CCV TCL		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	68148	Lims Sample ID:	2
Sublist:	chrom-8270_hp7*sub15		
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\8270_hp7.m		
Last Update:	12-Dec-2012 09:45:43	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:	XAWRK017		
First Level Reviewer: gruberj		Date:	11-Dec-2012 11:26:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.702	5.702	0.0	95	224573	4.00	
* 2 Naphthalene-d8	136	6.825	6.825	0.0	99	840152	4.00	
* 3 Acenaphthene-d10	164	8.318	8.318	0.0	92	519621	4.00	
* 4 Phenanthrene-d10	188	9.575	9.575	0.0	98	920039	4.00	
* 5 Chrysene-d12	240	12.019	12.019	0.0	96	963204	4.00	
* 6 Perylene-d12	264	13.982	13.982	0.0	97	792775	4.00	
$ 7 2-Fluorophenol	112	4.397	4.397	0.0	94	649967	9.36	
$ 8 Phenol-d5	99	5.349	5.349	0.0	90	834084	9.46	
$ 9 Nitrobenzene-d5	82	6.194	6.194	0.0	90	736874	9.98	
$ 10 2-Fluorobiphenyl (Surr)	172	7.740	7.740	0.0	99	1560802	9.26	
$ 11 2,4,6-Tribromophenol	330	8.981	8.981	0.0	88	219248	10.2	
$ 12 Terphenyl-d14	244	10.906	10.906	0.0	98	1630827	9.14	
24 1,4-Dioxane	88	1.969	1.969	0.0	95	224027	8.60	
25 N-Nitrosodimethylamine	74	2.391	2.391	0.0	89	382201	8.57	
26 Pyridine	79	2.429	2.429	0.0	93	664048	8.89	
27 Ethyl methacrylate	69	3.172	3.172	0.0	90	416548	6.71	
28 3-Chloropropionitrile	54	3.654	3.654	0.0	91	414918	10.0	
32 Malononitrile	66	4.076	4.076	0.0	99	738708	9.46	
40 Benzaldehyde	77	5.296	5.296	0.0	90	512233	8.75	
41 Phenol	94	5.365	5.365	0.0	99	888591	9.46	
43 Aniline	93	5.392	5.392	0.0	88	1084645	9.23	
44 Bis(2-chloroethyl)ether	93	5.456	5.456	0.0	96	668531	9.21	
46 2-Chlorophenol	128	5.504	5.504	0.0	95	712504	9.39	
47 1,3-Dichlorobenzene	146	5.649	5.649	0.0	96	774729	9.47	
48 1,4-Dichlorobenzene	146	5.718	5.718	0.0	92	761034	9.36	
49 Benzyl alcohol	108	5.820	5.820	0.0	89	443305	9.48	
50 1,2-Dichlorobenzene	146	5.852	5.852	0.0	87	736656	9.51	
51 2-Methylphenol	108	5.916	5.916	0.0	97	634134	9.26	
52 2,2'-oxybis[1-chloropropane]	45	5.943	5.943	0.0	90	930019	8.73	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
191 3 & 4 Methylphenol	108	6.050	6.050	0.0	97	675832	9.41	
57 Acetophenone	105	6.061	6.061	0.0	89	932535	9.19	
56 N-Nitrosodi-n-propylamine	70	6.061	6.061	0.0	87	475248	9.34	
60 Hexachloroethane	117	6.157	6.157	0.0	93	313799	9.50	
61 Nitrobenzene	77	6.216	6.216	0.0	84	742510	9.73	
63 Isophorone	82	6.419	6.419	0.0	97	1333050	9.95	
65 2-Nitrophenol	139	6.494	6.494	0.0	95	358452	9.98	
66 1,3,5-Trichlorobenzene	180	6.505	6.505	0.0	96	660985	9.92	
64 2,4-Dimethylphenol	107	6.521	6.521	0.0	94	692314	9.80	
69 Benzoic acid	122	6.590	6.590	0.0	87	783325	17.0	
68 Bis(2-chloroethoxy)methane	93	6.601	6.601	0.0	93	796878	9.36	
71 2,4-Dichlorophenol	162	6.697	6.697	0.0	96	558250	10.0	
72 1,2,4-Trichlorobenzene	180	6.777	6.777	0.0	93	647385	9.73	
73 Naphthalene	128	6.847	6.847	0.0	97	2033883	9.69	
74 4-Chloroaniline	127	6.884	6.884	0.0	87	882479	9.86	
77 Hexachlorobutadiene	225	6.943	6.943	0.0	95	365122	10.1	
78 1,2,3-Trichlorobenzene	180	6.970	6.970	0.0	91	613373	0	
83 Caprolactam	113	7.173	7.173	0.0	75	210470	9.92	
84 4-Chloro-3-methylphenol	107	7.285	7.285	0.0	96	617998	10.3	
85 2-Methylnaphthalene	142	7.435	7.435	0.0	90	1299210	9.68	
86 1-Methylnaphthalene	142	7.521	7.521	0.0	90	1264681	9.90	
87 1,2,3,5-Tetrachlorobenzene	216	7.564	7.564	0.0	96	653580	9.25	
88 Hexachlorocyclopentadiene	237	7.564	7.564	0.0	72	373113	8.86	
90 2,4,6-Trichlorophenol	196	7.671	7.671	0.0	91	439180	10.0	
91 2,4,5-Trichlorophenol	196	7.697	7.697	0.0	95	465366	9.86	
94 2,4-Toluene diamine	121	7.810	7.810	0.0	97	418874	9.79	
96 1,2,3,4 -Tetrachlorobenzene	216	7.820	7.820	0.0	95	631073	0	
95 1,1'-Biphenyl	154	7.826	7.826	0.0	94	1661130	9.05	
98 2-Chloronaphthalene	162	7.852	7.852	0.0	96	1308287	9.12	
100 2-Nitroaniline	65	7.927	7.927	0.0	84	410296	9.74	
103 Dimethyl phthalate	163	8.072	8.072	0.0	98	1448761	9.49	
105 2,6-Dinitrotoluene	165	8.131	8.131	0.0	91	327410	9.37	
106 1,2-Dinitrobenzene	168	8.179	8.179	0.0	90	176933	10.4	
107 Acenaphthylene	152	8.205	8.205	0.0	89	2188414	9.23	
108 3-Nitroaniline	138	8.275	8.275	0.0	94	382160	10.0	
110 Acenaphthene	153	8.350	8.350	0.0	93	1303943	9.15	
109 2,4-Dinitrophenol	184	8.361	8.361	0.0	74	441901	18.5	
111 4-Nitrophenol	109	8.398	8.398	0.0	92	232348	10.6	
112 2,4-Dinitrotoluene	165	8.467	8.467	0.0	87	446135	9.47	
114 Dibenzofuran	168	8.494	8.494	0.0	84	1922036	9.09	
115 2,3,5,6-Tetrachlorophenol	232	8.553	8.553	0.0	91	395588	10.2	
119 Diethyl phthalate	149	8.660	8.660	0.0	97	1549941	9.71	
121 4-Chlorophenyl phenyl ether	204	8.772	8.772	0.0	90	761135	9.47	
124 Fluorene	166	8.783	8.783	0.0	93	1579959	9.30	
123 4-Nitroaniline	138	8.788	8.788	0.0	78	401482	9.60	
126 4,6-Dinitro-2-methylphenol	198	8.810	8.810	0.0	84	280708	9.30	
130 N-Nitrosodiphenylamine	169	8.869	8.869	0.0	0	1178553	9.29	
129 1,2-Diphenylhydrazine	77	8.906	8.906	0.0	0	1611696	9.00	
131 Azobenzene	77	8.906	8.906	0.0	99	1611696	9.00	
137 4-Bromophenyl phenyl ether	248	9.184	9.184	0.0	62	453131	9.66	
139 Hexachlorobenzene	284	9.243	9.243	0.0	89	451553	9.34	
140 Atrazine	200	9.302	9.302	0.0	93	353497	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.403	9.403	0.0	89	588498	18.0	
146 Phenanthrene	178	9.596	9.596	0.0	97	2236515	8.90	
147 Anthracene	178	9.639	9.639	0.0	97	2320728	9.29	
149 Carbazole	167	9.762	9.762	0.0	82	2253697	9.29	
151 Di-n-butyl phthalate	149	10.029	10.029	0.0	100	2655170	9.75	
157 Fluoranthene	202	10.596	10.596	0.0	96	2641441	9.52	
158 Benzidine	184	10.693	10.693	0.0	99	1500634	9.13	
160 Pyrene	202	10.789	10.789	0.0	98	2816874	9.17	
166 Butyl benzyl phthalate	149	11.356	11.356	0.0	97	1156543	9.16	
170 3,3'-Dimethoxybenzidine	244	11.923	11.923	0.0	87	580778	8.87	
173 3,3'-Dichlorobenzidine	252	11.960	11.960	0.0	65	983596	9.19	
172 4,4'-Methylene bis(2-chloroanili	231	11.960	11.960	0.0	67	452716	9.27	
171 Bis(2-ethylhexyl) phthalate	149	11.987	11.987	0.0	96	1633342	9.14	
175 Benzo[a]anthracene	228	12.003	12.003	0.0	96	2403557	8.94	
176 Chrysene	228	12.046	12.046	0.0	93	2302664	8.99	
178 Di-n-octyl phthalate	149	12.843	12.843	0.0	99	2689670	9.37	
180 Benzo[b]fluoranthene	252	13.426	13.426	0.0	92	2504545	9.90	
181 Benzo[k]fluoranthene	252	13.463	13.463	0.0	99	2611451	9.50	
182 Benzo[a]pyrene	252	13.902	13.902	0.0	76	2390083	9.15	
186 Indeno[1,2,3-cd]pyrene	276	15.570	15.570	0.0	95	2575129	8.99	
187 Dibenz(a,h)anthracene	278	15.597	15.597	0.0	78	2175092	8.90	
188 Benzo[g,h,i]perylene	276	15.966	15.966	0.0	94	2183364	9.62	
S 189 Methyl Phenols,Total	100				0		9.26	

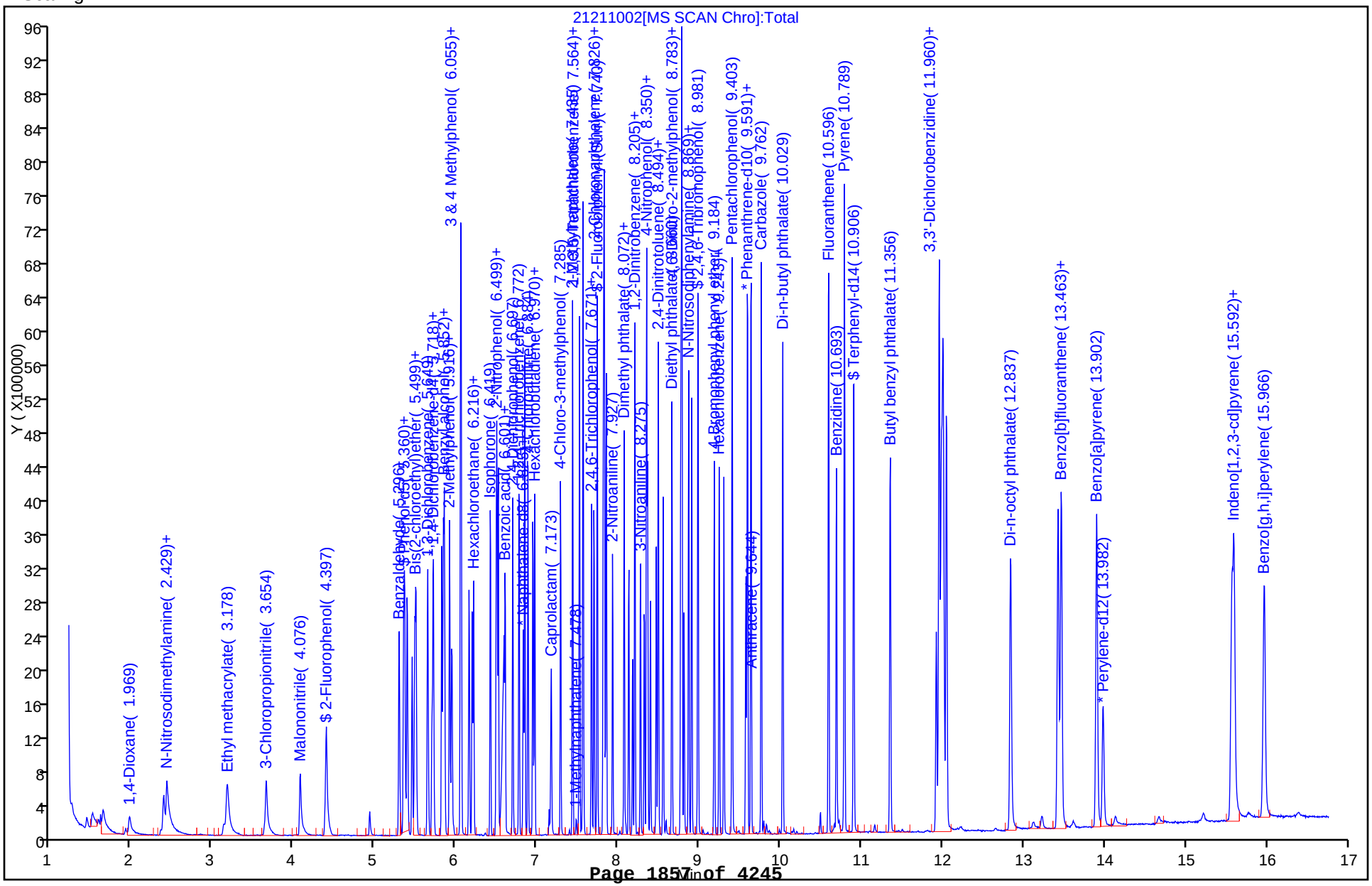
Report Date: 12-Dec-2012 09:45:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211002.D

Injection Date:	11-Dec-2012 10:48:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	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.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-67070/12 Calibration Date: 12/03/2012 15:52

Instrument ID: A4HP9 Calib Start Date: 11/22/2012 11:53

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 11/22/2012 14:05

Lab File ID: 21203012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4,5-Tetrachlorobenzene	Ave	0.5590			0.000550	10.0		
2,6-Dichlorophenol	Ave	0.2986			0.0100	10.0		
N-Nitrosopyrrolidine	Ave	0.9013			0.00240	10.0		

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203012.D		
Lims ID:	icv ind	Client ID:	
Inject. Date:	03-Dec-2012 15:52:30	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	240-0015467-012		
Misc. Info.:	ICV IND =ICV IND		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	67070	Lims Sample ID:	12
Sublist:			
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:30	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 16:29:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.054	6.050	0.004	83	137958	4.00	
* 2 Naphthalene-d8	136	7.154	7.156	-0.002	97	564325	4.00	
* 3 Acenaphthene-d10	164	8.650	8.652	-0.002	62	357466	4.00	
* 4 Phenanthrene-d10	188	9.916	9.918	-0.002	75	594843	4.00	
* 5 Chrysene-d12	240	12.539	12.541	-0.002	74	624609	4.00	
* 6 Perylene-d12	264	14.676	14.677	-0.001	77	454251	4.00	
25 1,4-Dioxane	88	2.805	2.807	-0.002	81	298989	11.2	
26 N-Nitrosodimethylamine	74	3.276	3.272	0.004	77	395535	11.2	
56 N-Nitrosopyrrolidine	100		3.992					
77 2,6-Dichlorophenol	162		4.729					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
41 Benzaldehyde	77	5.664	5.665	-0.001	79	136744	1.93	
43 Phenol	94	5.701	5.703	-0.002	92	999021	11.2	
44 Aniline	93	5.754	5.751	0.003	84	1054544	9.50	
69 Bis(2-chloroethyl)ether	93	5.802	5.804	-0.002	91	777591	11.3	
46 2-Chlorophenol	128	5.861	5.858	0.003	88	552972	11.0	
47 1,3-Dichlorobenzene	146	6.000	6.002	-0.002	77	614232	11.3	
48 1,4-Dichlorobenzene	146	6.064	6.066	-0.002	75	609410	11.1	
49 Benzyl alcohol	108	6.155	6.157	-0.002	84	453451	10.9	
50 1,2-Dichlorobenzene	146	6.203	6.199	0.004	80	596884	11.3	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
51 2-Methylphenol	108	6.240	6.237	0.003	93	629200	10.6	
53 2,2'-oxybis[1-chloropropane]	45	6.273	6.274	-0.001	95	804619	11.5	
21 3 & 4 Methylphenol	108	6.363	6.365	-0.002	93	697345	11.1	
57 N-Nitrosodi-n-propylamine	70	6.385	6.386	-0.001	70	722835	11.6	
58 Acetophenone	105	6.395	6.392	0.003	75	1003264	11.0	
61 Hexachloroethane	117	6.502	6.504	-0.002	90	273697	10.7	
62 Nitrobenzene	77	6.545	6.547	-0.002	76	1024405	11.3	
64 Isophorone	82	6.743	6.744	-0.001	93	1878947	11.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
66 2-Nitrophenol	139	6.817	6.819	-0.002	81	289166	11.7	
65 2,4-Dimethylphenol	107	6.828	6.830	-0.002	96	705084	10.1	
71 Benzoic acid	122	6.882	6.889	-0.007	78	728200	23.2	
70 Bis(2-chloroethoxy)methane	93	6.919	6.915	0.004	98	942848	11.1	
73 2,4-Dichlorophenol	162	7.020	7.017	0.003	92	459393	11.5	
74 1,2,4-Trichlorobenzene	180	7.101	7.102	-0.001	73	540081	10.9	
75 Naphthalene	128	7.175	7.177	-0.002	81	1690873	10.9	
76 4-Chloroaniline	127	7.202	7.204	-0.002	78	658560	10.7	
79 Hexachlorobutadiene	225	7.272	7.268	0.004	87	301779	11.2	
84 Caprolactam	113	7.485	7.487	-0.002	82	207806	12.7	
86 4-Chloro-3-methylphenol	107	7.592	7.594	-0.002	79	631746	10.8	
87 2-Methylnaphthalene	142	7.763	7.759	0.004	84	1069979	11.0	
89 Hexachlorocyclopentadiene	237	7.891	7.893	-0.002	85	340568	11.9	
92 2,4,6-Trichlorophenol	196	7.987	7.989	-0.002	85	345636	11.2	
93 2,4,5-Trichlorophenol	196	8.019	8.016	0.003	90	372765	10.9	
98 1,1'-Biphenyl	154	8.148	8.149	-0.001	95	1442922	11.2	
100 2-Chloronaphthalene	162	8.180	8.181	-0.001	93	1098957	11.2	
102 2-Nitroaniline	65	8.249	8.246	0.003	71	520802	11.4	
105 Dimethyl phthalate	163	8.388	8.384	0.004	93	1277892	11.0	
107 2,6-Dinitrotoluene	165	8.441	8.443	-0.002	73	283135	11.7	
109 Acenaphthylene	152	8.532	8.534	-0.002	68	1713965	10.9	
110 3-Nitroaniline	138	8.591	8.593	-0.002	80	290092	11.2	
111 2,4-Dinitrophenol	184	8.676	8.678	-0.002	70	353977	20.9	
112 Acenaphthene	153	8.676	8.678	-0.002	87	1082656	10.9	
113 4-Nitrophenol	109	8.698	8.700	-0.002	83	223052	11.7	
114 2,4-Dinitrotoluene	165	8.789	8.785	0.004	74	379742	11.7	
116 Dibenzofuran	168	8.826	8.822	0.004	85	1536053	10.7	
121 Diethyl phthalate	149	8.976	8.977	-0.001	95	1255517	10.9	
123 4-Chlorophenyl phenyl ether	204	9.099	9.100	-0.001	88	671563	10.9	
125 4-Nitroaniline	138	9.109	9.111	-0.002	77	266974	9.76	
126 Fluorene	166	9.115	9.116	-0.001	70	1257544	10.3	
128 4,6-Dinitro-2-methylphenol	198	9.131	9.132	-0.001	73	241096	10.8	
131 N-Nitrosodiphenylamine	169	9.195	9.191	0.004	92	903611	11.0	
133 Azobenzene	77	9.232	9.234	-0.002	93	2441037	12.2	
139 4-Bromophenyl phenyl ether	248	9.515	9.517	-0.002	66	349204	11.6	
141 Hexachlorobenzene	284	9.585	9.581	0.004	82	343623	11.4	
142 Atrazine	200	9.622	9.624	-0.002	79	194049	7.42	
143 Pentachlorophenol	266	9.740	9.741	-0.001	78	519711	22.7	
148 Phenanthrene	178	9.937	9.939	-0.002	81	2004995	11.3	
149 Anthracene	178	9.980	9.982	-0.002	82	2024057	11.4	
151 Carbazole	167	10.103	10.105	-0.002	61	1772488	11.1	
154 Di-n-butyl phthalate	149	10.354	10.356	-0.002	99	2294133	11.7	
159 Fluoranthene	202	10.958	10.959	-0.001	78	2302388	11.4	
160 Benzidine	184	11.054	11.050	0.004	70	47446	0.9461	
161 Pyrene	202	11.177	11.178	-0.001	73	2309487	10.7	
168 Butyl benzyl phthalate	149	11.786	11.787	-0.001	85	933651	10.8	
175 3,3'-Dichlorobenzidine	252	12.464	12.466	-0.002	72	570939	7.99	
173 Bis(2-ethylhexyl) phthalate	149	12.480	12.482	-0.002	93	1344128	10.5	
177 Benzo[a]anthracene	228	12.523	12.525	-0.002	79	2038561	10.5	
178 Chrysene	228	12.571	12.573	-0.002	81	1927989	10.8	
180 Di-n-octyl phthalate	149	13.420	13.422	-0.002	98	2198975	11.2	
182 Benzo[b]fluoranthene	252	14.077	14.079	-0.002	86	1815220	11.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252	14.120	14.122	-0.002	80	1940920	12.0	
184 Benzo[a]pyrene	252	14.590	14.597	-0.007	75	1585356	10.7	
188 Indeno[1,2,3-cd]pyrene	276	16.401	16.403	-0.002	78	1943034	11.9	
189 Dibenz(a,h)anthracene	278	16.428	16.430	-0.002	55	1606401	12.0	
190 Benzo[g,h,i]perylene	276	16.882	16.889	-0.007	79	1616215	11.8	

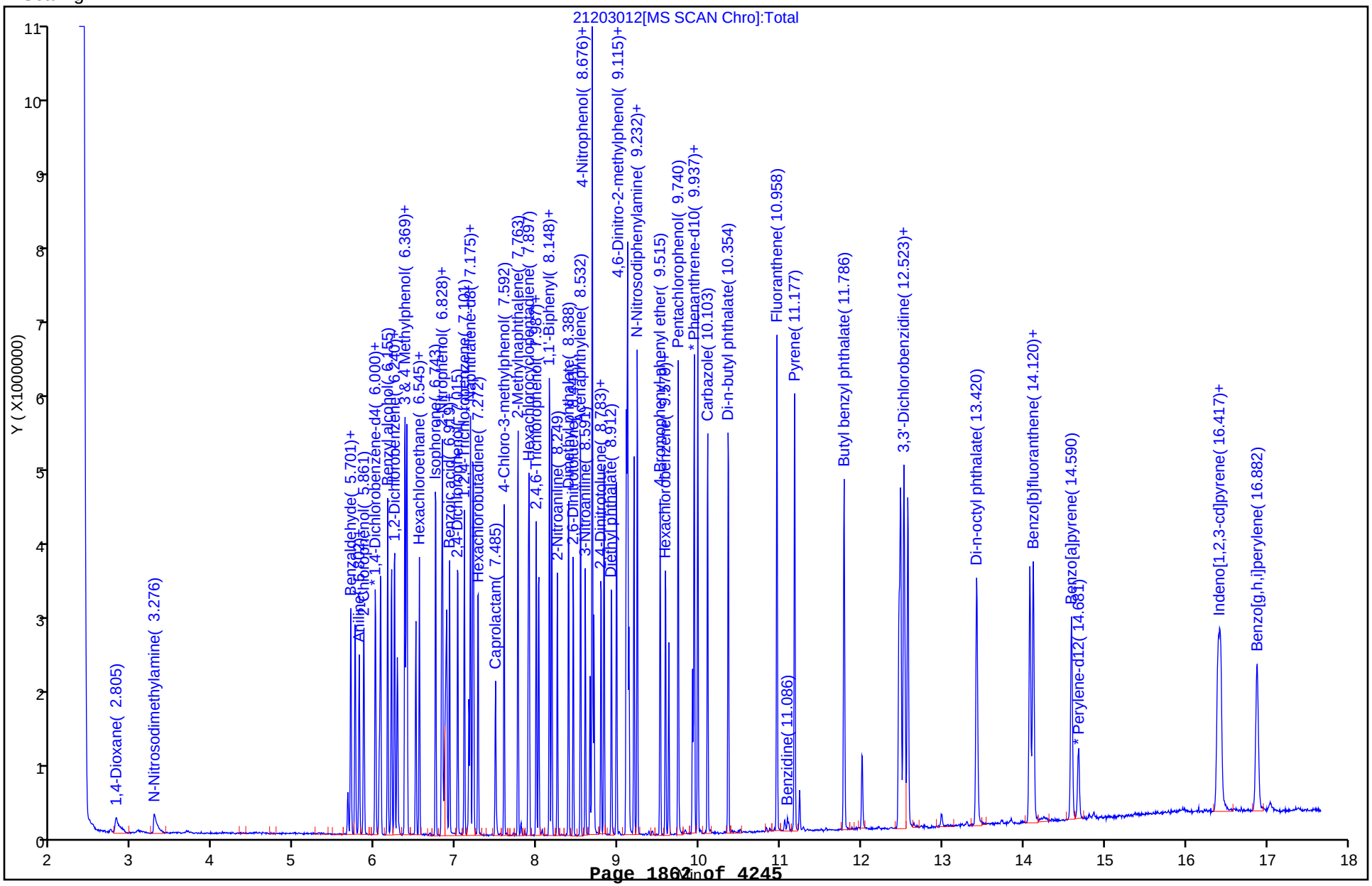
Report Date: 04-Dec-2012 08:01:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203012.D

Injection Date:	03-Dec-2012 15:52:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	12
Operator ID:	001574	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.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-67070/12 Calibration Date: 12/03/2012 15:52

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7764	0.8669		11.2	10.0	11.7	
N-Nitrosodimethylamine	Ave	1.020	1.147		11.2	10.0	12.4	
Benzaldehyde	Qua		0.3965		1.93	10.0	-80.7	
Phenol	Ave	2.575	2.897		11.2	10.0	12.5	
Aniline	Ave	3.218	3.058		9.50	10.0	-5.0	
Bis(2-chloroethyl)ether	Ave	1.987	2.255		11.3	10.0	13.5	
2-Chlorophenol	Ave	1.461	1.603		11.0	10.0	9.8	
1,3-Dichlorobenzene	Ave	1.570	1.781		11.3	10.0	13.4	
1,4-Dichlorobenzene	Ave	1.586	1.767		11.1	10.0	11.4	
Benzyl alcohol	Ave	1.204	1.315		10.9	10.0	9.2	
1,2-Dichlorobenzene	Ave	1.526	1.731		11.3	10.0	13.4	
2-Methylphenol	Ave	1.718	1.824		10.6	10.0	6.2	
3 & 4 Methylphenol	Ave	1.828	2.022		11.1	10.0	10.6	
N-Nitrosodi-n-propylamine	Ave	1.801	2.096		11.6	10.0	16.4	
Acetophenone	Ave	2.653	2.909		11.0	10.0	9.6	
Hexachloroethane	Ave	0.7420	0.7936		10.7	10.0	7.0	
Nitrobenzene	Ave	0.6444	0.7261		11.3	10.0	12.7	
Isophorone	Ave	1.175	1.332		11.3	10.0	13.3	
2-Nitrophenol	Ave	0.1757	0.2050		11.7	10.0	16.7	
2,4-Dimethylphenol	Ave	0.4935	0.4998		10.1	10.0	1.3	
Benzoic acid	Qua		0.2581		23.2	20.0	16.1	
Bis(2-chloroethoxy)methane	Ave	0.6014	0.6683		11.1	10.0	11.1	
2,4-Dichlorophenol	Ave	0.2834	0.3256		11.5	10.0	14.9	
1,2,4-Trichlorobenzene	Ave	0.3506	0.3828		10.9	10.0	9.2	
Naphthalene	Ave	1.099	1.199		10.9	10.0	9.1	
Hexachlorobutadiene	Ave	0.1912	0.2139		11.2	10.0	11.9	
Caprolactam	Ave	0.1156	0.1473		12.7	10.0	27.4	
4-Chloro-3-methylphenol	Ave	0.4157	0.4478		10.8	10.0	7.7	
2-Methylnaphthalene	Ave	0.6886	0.7584		11.0	10.0	10.1	
Hexachlorocyclopentadiene	Ave	0.3216	0.3811		11.9	10.0	18.5	
2,4,6-Trichlorophenol	Ave	0.3463	0.3868		11.2	10.0	11.7	
2,4,5-Trichlorophenol	Ave	0.3811	0.4171		10.9	10.0	9.5	
1,1'-Biphenyl	Ave	1.445	1.615		11.2	10.0	11.8	
2-Chloronaphthalene	Ave	1.103	1.230		11.2	10.0	11.5	
2-Nitroaniline	Ave	0.5134	0.5828		11.4	10.0	13.5	
Dimethyl phthalate	Ave	1.299	1.430		11.0	10.0	10.0	
2,6-Dinitrotoluene	Ave	0.2702	0.3168		11.7	10.0	17.2	
Acenaphthylene	Ave	1.759	1.918		10.9	10.0	9.0	
3-Nitroaniline	Ave	0.2907	0.3246		11.2	10.0	11.7	
2,4-Dinitrophenol	Qua		0.1981		20.9	20.0	4.3	
Acenaphthene	Ave	1.116	1.211		10.9	10.0	8.6	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-67070/12 Calibration Date: 12/03/2012 15:52

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21203012.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.2139	0.2496		11.7	10.0	16.7	
2,4-Dinitrotoluene	Ave	0.3626	0.4249		11.7	10.0	17.2	
Dibenzofuran	Ave	1.610	1.719		10.7	10.0	6.8	
Diethyl phthalate	Ave	1.286	1.405		10.9	10.0	9.2	
4-Chlorophenyl phenyl ether	Ave	0.6916	0.7515		10.9	10.0	8.7	
4-Nitroaniline	Ave	0.3061	0.2987		9.76	10.0	-2.4	
Fluorene	Ave	1.363	1.407		10.3	10.0	3.2	
4,6-Dinitro-2-methylphenol	Qua		0.1621		10.8	10.0	7.6	
N-Nitrosodiphenylamine	Ave	0.5526	0.6076		11.0	10.0	10.0	
4-Bromophenyl phenyl ether	Ave	0.2017	0.2348		11.6	10.0	16.4	
Hexachlorobenzene	Ave	0.2035	0.2311		11.4	10.0	13.5	
Atrazine	Ave	0.1759	0.1305		7.42	10.0	-25.8	
Pentachlorophenol	Qua		0.1747		22.7	20.0	13.4	
Phenanthrene	Ave	1.195	1.348		11.3	10.0	12.8	
Anthracene	Ave	1.197	1.361		11.4	10.0	13.7	
Carbazole	Ave	1.072	1.192		11.1	10.0	11.2	
Di-n-butyl phthalate	Ave	1.317	1.543		11.7	10.0	17.1	
Fluoranthene	Ave	1.364	1.548		11.4	10.0	13.5	
Benzidine	Qua		0.0304		0.946	10.0	-90.5	
Pyrene	Ave	1.384	1.479		10.7	10.0	6.9	
Butyl benzyl phthalate	Ave	0.5524	0.5979		10.8	10.0	8.2	
3,3'-Dichlorobenzidine	Qua		0.3656		7.99	10.0	-20.1	
Bis(2-ethylhexyl) phthalate	Ave	0.8220	0.8608		10.5	10.0	4.7	
Benzo[a]anthracene	Ave	1.246	1.306		10.5	10.0	4.8	
Chrysene	Ave	1.142	1.235		10.8	10.0	8.1	
Di-n-octyl phthalate	Qua		1.936		11.2	10.0	11.6	
Benzo[b]fluoranthene	Ave	1.387	1.598		11.5	10.0	15.3	
Benzo[k]fluoranthene	Ave	1.426	1.709		12.0	10.0	19.9	
Benzo[a]pyrene	Ave	1.309	1.396		10.7	10.0	6.7	
Indeno[1,2,3-cd]pyrene	Ave	1.438	1.711		11.9	10.0	19.0	
Dibenz(a,h)anthracene	Ave	1.180	1.415		12.0	10.0	19.9	
Benzo[g,h,i]perylene	Ave	1.208	1.423		11.8	10.0	17.8	

Report Date: 04-Dec-2012 08:01:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203012.D
Lims ID: icv ind Client ID:
Inject. Date: 03-Dec-2012 15:52:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015467-012
Misc. Info.: ICV IND =ICV IND
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 67070 Lims Sample ID: 12
Sublist:
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m
Last Update: 04-Dec-2012 08:01:30 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK031

First Level Reviewer: ulmanm Date: 03-Dec-2012 16:29:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.054	6.050	0.004	83	137958	4.00	
* 2 Naphthalene-d8	136	7.154	7.156	-0.002	97	564325	4.00	
* 3 Acenaphthene-d10	164	8.650	8.652	-0.002	62	357466	4.00	
* 4 Phenanthrene-d10	188	9.916	9.918	-0.002	75	594843	4.00	
* 5 Chrysene-d12	240	12.539	12.541	-0.002	74	624609	4.00	
* 6 Perylene-d12	264	14.676	14.677	-0.001	77	454251	4.00	
25 1,4-Dioxane	88	2.805	2.807	-0.002	81	298989	11.2	
26 N-Nitrosodimethylamine	74	3.276	3.272	0.004	77	395535	11.2	
56 N-Nitrosopyrrolidine	100		3.992					
77 2,6-Dichlorophenol	162		4.729					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
41 Benzaldehyde	77	5.664	5.665	-0.001	79	136744	1.93	
43 Phenol	94	5.701	5.703	-0.002	92	999021	11.2	
44 Aniline	93	5.754	5.751	0.003	84	1054544	9.50	
69 Bis(2-chloroethyl)ether	93	5.802	5.804	-0.002	91	777591	11.3	
46 2-Chlorophenol	128	5.861	5.858	0.003	88	552972	11.0	
47 1,3-Dichlorobenzene	146	6.000	6.002	-0.002	77	614232	11.3	
48 1,4-Dichlorobenzene	146	6.064	6.066	-0.002	75	609410	11.1	
49 Benzyl alcohol	108	6.155	6.157	-0.002	84	453451	10.9	
50 1,2-Dichlorobenzene	146	6.203	6.199	0.004	80	596884	11.3	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
51 2-Methylphenol	108	6.240	6.237	0.003	93	629200	10.6	
53 2,2'-oxybis[1-chloropropane]	45	6.273	6.274	-0.001	95	804619	11.5	
21 3 & 4 Methylphenol	108	6.363	6.365	-0.002	93	697345	11.1	
57 N-Nitrosodi-n-propylamine	70	6.385	6.386	-0.001	70	722835	11.6	
58 Acetophenone	105	6.395	6.392	0.003	75	1003264	11.0	
61 Hexachloroethane	117	6.502	6.504	-0.002	90	273697	10.7	
62 Nitrobenzene	77	6.545	6.547	-0.002	76	1024405	11.3	
64 Isophorone	82	6.743	6.744	-0.001	93	1878947	11.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
66 2-Nitrophenol	139	6.817	6.819	-0.002	81	289166	11.7	
65 2,4-Dimethylphenol	107	6.828	6.830	-0.002	96	705084	10.1	
71 Benzoic acid	122	6.882	6.889	-0.007	78	728200	23.2	
70 Bis(2-chloroethoxy)methane	93	6.919	6.915	0.004	98	942848	11.1	
73 2,4-Dichlorophenol	162	7.020	7.017	0.003	92	459393	11.5	
74 1,2,4-Trichlorobenzene	180	7.101	7.102	-0.001	73	540081	10.9	
75 Naphthalene	128	7.175	7.177	-0.002	81	1690873	10.9	
76 4-Chloroaniline	127	7.202	7.204	-0.002	78	658560	10.7	
79 Hexachlorobutadiene	225	7.272	7.268	0.004	87	301779	11.2	
84 Caprolactam	113	7.485	7.487	-0.002	82	207806	12.7	
86 4-Chloro-3-methylphenol	107	7.592	7.594	-0.002	79	631746	10.8	
87 2-Methylnaphthalene	142	7.763	7.759	0.004	84	1069979	11.0	
89 Hexachlorocyclopentadiene	237	7.891	7.893	-0.002	85	340568	11.9	
92 2,4,6-Trichlorophenol	196	7.987	7.989	-0.002	85	345636	11.2	
93 2,4,5-Trichlorophenol	196	8.019	8.016	0.003	90	372765	10.9	
98 1,1'-Biphenyl	154	8.148	8.149	-0.001	95	1442922	11.2	
100 2-Chloronaphthalene	162	8.180	8.181	-0.001	93	1098957	11.2	
102 2-Nitroaniline	65	8.249	8.246	0.003	71	520802	11.4	
105 Dimethyl phthalate	163	8.388	8.384	0.004	93	1277892	11.0	
107 2,6-Dinitrotoluene	165	8.441	8.443	-0.002	73	283135	11.7	
109 Acenaphthylene	152	8.532	8.534	-0.002	68	1713965	10.9	
110 3-Nitroaniline	138	8.591	8.593	-0.002	80	290092	11.2	
111 2,4-Dinitrophenol	184	8.676	8.678	-0.002	70	353977	20.9	
112 Acenaphthene	153	8.676	8.678	-0.002	87	1082656	10.9	
113 4-Nitrophenol	109	8.698	8.700	-0.002	83	223052	11.7	
114 2,4-Dinitrotoluene	165	8.789	8.785	0.004	74	379742	11.7	
116 Dibenzofuran	168	8.826	8.822	0.004	85	1536053	10.7	
121 Diethyl phthalate	149	8.976	8.977	-0.001	95	1255517	10.9	
123 4-Chlorophenyl phenyl ether	204	9.099	9.100	-0.001	88	671563	10.9	
125 4-Nitroaniline	138	9.109	9.111	-0.002	77	266974	9.76	
126 Fluorene	166	9.115	9.116	-0.001	70	1257544	10.3	
128 4,6-Dinitro-2-methylphenol	198	9.131	9.132	-0.001	73	241096	10.8	
131 N-Nitrosodiphenylamine	169	9.195	9.191	0.004	92	903611	11.0	
133 Azobenzene	77	9.232	9.234	-0.002	93	2441037	12.2	
139 4-Bromophenyl phenyl ether	248	9.515	9.517	-0.002	66	349204	11.6	
141 Hexachlorobenzene	284	9.585	9.581	0.004	82	343623	11.4	
142 Atrazine	200	9.622	9.624	-0.002	79	194049	7.42	
143 Pentachlorophenol	266	9.740	9.741	-0.001	78	519711	22.7	
148 Phenanthrene	178	9.937	9.939	-0.002	81	2004995	11.3	
149 Anthracene	178	9.980	9.982	-0.002	82	2024057	11.4	
151 Carbazole	167	10.103	10.105	-0.002	61	1772488	11.1	
154 Di-n-butyl phthalate	149	10.354	10.356	-0.002	99	2294133	11.7	
159 Fluoranthene	202	10.958	10.959	-0.001	78	2302388	11.4	
160 Benzidine	184	11.054	11.050	0.004	70	47446	0.9461	
161 Pyrene	202	11.177	11.178	-0.001	73	2309487	10.7	
168 Butyl benzyl phthalate	149	11.786	11.787	-0.001	85	933651	10.8	
175 3,3'-Dichlorobenzidine	252	12.464	12.466	-0.002	72	570939	7.99	
173 Bis(2-ethylhexyl) phthalate	149	12.480	12.482	-0.002	93	1344128	10.5	
177 Benzo[a]anthracene	228	12.523	12.525	-0.002	79	2038561	10.5	
178 Chrysene	228	12.571	12.573	-0.002	81	1927989	10.8	
180 Di-n-octyl phthalate	149	13.420	13.422	-0.002	98	2198975	11.2	
182 Benzo[b]fluoranthene	252	14.077	14.079	-0.002	86	1815220	11.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
183 Benzo[k]fluoranthene	252	14.120	14.122	-0.002	80	1940920	12.0	
184 Benzo[a]pyrene	252	14.590	14.597	-0.007	75	1585356	10.7	
188 Indeno[1,2,3-cd]pyrene	276	16.401	16.403	-0.002	78	1943034	11.9	
189 Dibenz(a,h)anthracene	278	16.428	16.430	-0.002	55	1606401	12.0	
190 Benzo[g,h,i]perylene	276	16.882	16.889	-0.007	79	1616215	11.8	

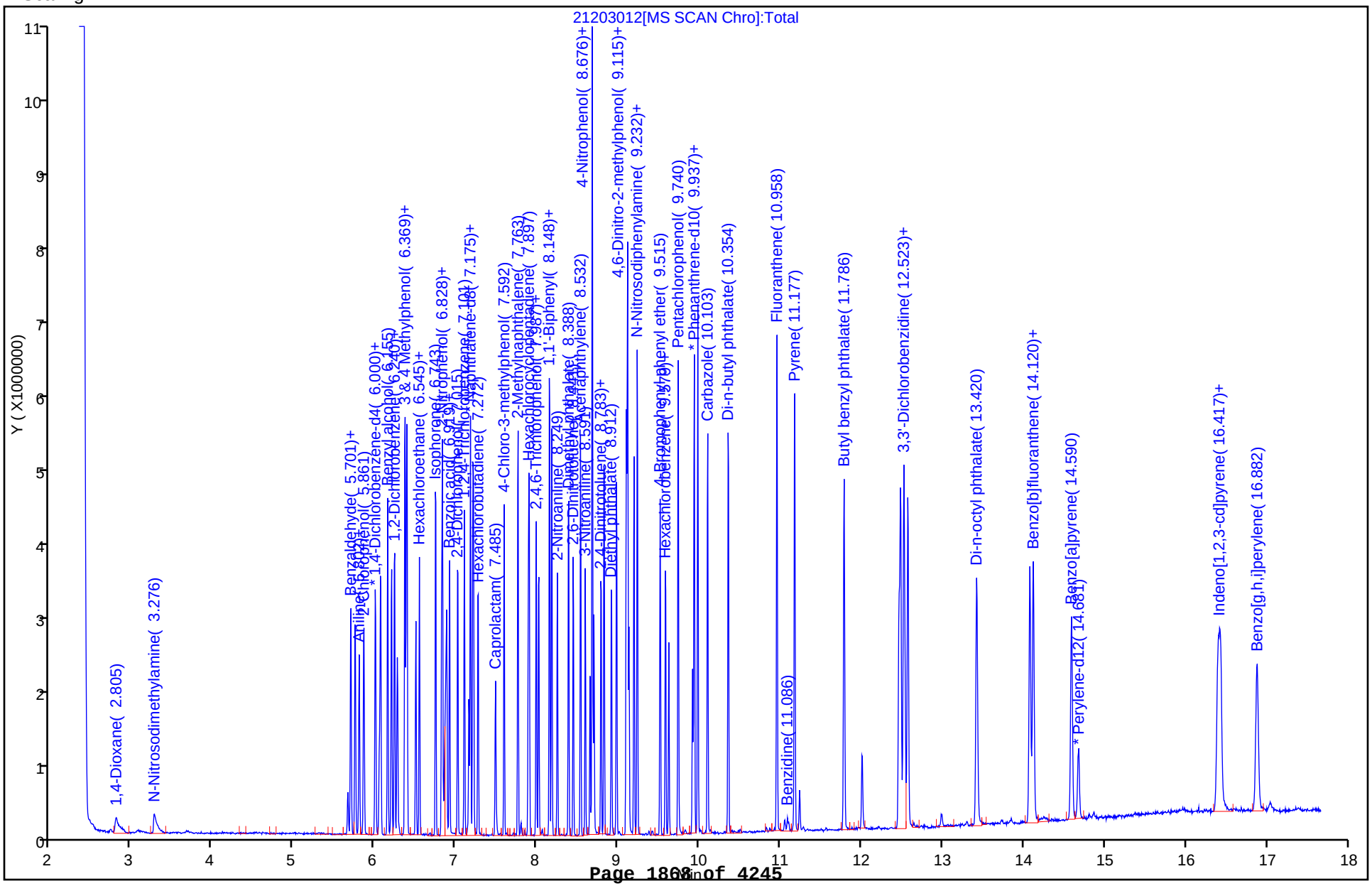
Report Date: 04-Dec-2012 08:01:33 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203012.D

Injection Date:	03-Dec-2012 15:52:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	12
Operator ID:	001574	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.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-67368/2 Calibration Date: 12/05/2012 08:24

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7764	0.8036		10.4	10.0	3.5	
N-Nitrosodimethylamine	Ave	1.020	1.271		12.5	10.0	24.5	
Pyridine	Ave	2.082	2.305		11.1	10.0	10.7	
Benzaldehyde	Qua		1.868		10.2	10.0	2.3	
Phenol	Ave	2.575	2.780		10.8	10.0	8.0	
Aniline	Ave	3.218	3.397		10.6	10.0	5.6	
Bis(2-chloroethyl)ether	Ave	1.987	2.038		10.3	10.0	2.6	
2-Chlorophenol	Ave	1.461	1.506		10.3	10.0	3.1	
1,3-Dichlorobenzene	Ave	1.570	1.633		10.4	10.0	4.0	
1,4-Dichlorobenzene	Ave	1.586	1.579		9.96	10.0	-0.4	
Benzyl alcohol	Ave	1.204	1.254		10.4	10.0	4.2	
1,2-Dichlorobenzene	Ave	1.526	1.477		9.68	10.0	-3.2	
2-Methylphenol	Ave	1.718	1.846		10.8	10.0	7.5	
3 & 4 Methylphenol	Ave	1.828	1.902		10.4	10.0	4.0	
N-Nitrosodi-n-propylamine	Ave	1.801	1.937		10.8	10.0	7.5	
Acetophenone	Ave	2.653	2.729		10.3	10.0	2.9	
Hexachloroethane	Ave	0.7420	0.7548		10.2	10.0	1.7	
Nitrobenzene	Ave	0.6444	0.6690		10.4	10.0	3.8	
Isophorone	Ave	1.175	1.199		10.2	10.0	2.0	
2-Nitrophenol	Ave	0.1757	0.1781		10.1	10.0	1.4	
2,4-Dimethylphenol	Ave	0.4935	0.4810		9.75	10.0	-2.5	
Benzoic acid	Qua		0.1979		18.4	20.0	-7.9	
Bis(2-chloroethoxy)methane	Ave	0.6014	0.6218		10.3	10.0	3.4	
2,4-Dichlorophenol	Ave	0.2834	0.2845		10.0	10.0	0.4	
1,2,4-Trichlorobenzene	Ave	0.3506	0.3471		9.90	10.0	-1.0	
Naphthalene	Ave	1.099	1.058		9.63	10.0	-3.7	
Hexachlorobutadiene	Ave	0.1912	0.1820		9.52	10.0	-4.8	
Caprolactam	Ave	0.1156	0.1342		11.6	10.0	16.1	
4-Chloro-3-methylphenol	Ave	0.4157	0.4172		10.0	10.0	0.4	
2-Methylnaphthalene	Ave	0.6886	0.6915		10.0	10.0	0.4	
Hexachlorocyclopentadiene	Ave	0.3216	0.3003		9.34	10.0	-6.6	
2,4,6-Trichlorophenol	Ave	0.3463	0.3448		9.96	10.0	-0.4	
2,4,5-Trichlorophenol	Ave	0.3811	0.3767		9.88	10.0	-1.2	
1,1'-Biphenyl	Ave	1.445	1.449		10.0	10.0	0.3	
2-Chloronaphthalene	Ave	1.103	1.120		10.2	10.0	1.6	
2-Nitroaniline	Ave	0.5134	0.5573		10.9	10.0	8.6	
Dimethyl phthalate	Ave	1.299	1.303		10.0	10.0	0.2	
2,6-Dinitrotoluene	Ave	0.2702	0.2881		10.7	10.0	6.6	
Acenaphthylene	Ave	1.759	1.850		10.5	10.0	5.1	
3-Nitroaniline	Ave	0.2907	0.3133		10.8	10.0	7.8	
2,4-Dinitrophenol	Qua		0.1733		18.6	20.0	-7.2	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-67368/2 Calibration Date: 12/05/2012 08:24

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.116	1.105		9.90	10.0	-1.0	
4-Nitrophenol	Ave	0.2139	0.2087		9.76	10.0	-2.4	
2,4-Dinitrotoluene	Ave	0.3626	0.3840		10.6	10.0	5.9	
Dibenzofuran	Ave	1.610	1.637		10.2	10.0	1.7	
Diethyl phthalate	Ave	1.286	1.282		9.96	10.0	-0.4	
4-Chlorophenyl phenyl ether	Ave	0.6916	0.6872		9.94	10.0	-0.6	
4-Nitroaniline	Ave	0.3061	0.3376		11.0	10.0	10.3	
Fluorene	Ave	1.363	1.366		10.0	10.0	0.2	
4,6-Dinitro-2-methylphenol	Qua		0.1386		9.31	10.0	-6.9	
N-Nitrosodiphenylamine	Ave	0.5526	0.5603		10.1	10.0	1.4	
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346	1.472		10.9	10.0	9.4	
4-Bromophenyl phenyl ether	Ave	0.2017	0.2012		9.97	10.0	-0.3	
Hexachlorobenzene	Ave	0.2035	0.2059		10.1	10.0	1.2	
Atrazine	Ave	0.1759	0.1963		11.2	10.0	11.6	
Pentachlorophenol	Qua		0.1380		18.2	20.0	-9.1	
Phenanthrene	Ave	1.195	1.183		9.90	10.0	-1.0	
Anthracene	Ave	1.197	1.239		10.3	10.0	3.5	
Carbazole	Ave	1.072	1.070		9.97	10.0	-0.3	
Di-n-butyl phthalate	Ave	1.317	1.367		10.4	10.0	3.8	
Fluoranthene	Ave	1.364	1.390		10.2	10.0	1.9	
Benzidine	Qua		0.6825		9.18	10.0	-8.2	
Pyrene	Ave	1.384	1.382		9.98	10.0	-0.2	
Butyl benzyl phthalate	Ave	0.5524	0.5324		9.64	10.0	-3.6	
3,3'-Dichlorobenzidine	Qua		0.4430		9.58	10.0	-4.2	
Bis(2-ethylhexyl) phthalate	Ave	0.8220	0.8080		9.83	10.0	-1.7	
Benzo[a]anthracene	Ave	1.246	1.191		9.56	10.0	-4.4	
Chrysene	Ave	1.142	1.114		9.75	10.0	-2.5	
Di-n-octyl phthalate	Qua		1.663		9.78	10.0	-2.2	
Benzo[b]fluoranthene	Ave	1.387	1.390		10.0	10.0	0.2	
Benzo[k]fluoranthene	Ave	1.426	1.483		10.4	10.0	4.0	
Benzo[a]pyrene	Ave	1.309	1.340		10.2	10.0	2.4	
Indeno[1,2,3-cd]pyrene	Ave	1.438	1.462		10.2	10.0	1.7	
Dibenz(a,h)anthracene	Ave	1.180	1.195		10.1	10.0	1.3	
Benzo[g,h,i]perylene	Ave	1.208	1.215		10.1	10.0	0.6	
2-Fluorophenol (Surr)	Ave	1.574	1.651		10.5	10.0	4.9	
Phenol-d5 (Surr)	Ave	2.273	2.485		10.9	10.0	9.3	
Nitrobenzene-d5 (Surr)	Ave	0.6121	0.6071		9.92	10.0	-0.8	
2-Fluorobiphenyl (Surr)	Ave	1.328	1.305		9.83	10.0	-1.7	
2,4,6-Tribromophenol (Surr)	Ave	0.1549	0.1582		10.2	10.0	2.1	
Terphenyl-d14 (Surr)	Ave	0.8194	0.7870		9.60	10.0	-4.0	

Report Date: 05-Dec-2012 11:40:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205002.D
Lims ID: ccv tcl Client ID:
Inject. Date: 05-Dec-2012 08:24:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 240-0015535-002
Misc. Info.: CCV TCL =CCV TCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 67368 Lims Sample ID: 2
Sublist: chrom-8270 _9*sub13
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 05-Dec-2012 11:40:04 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.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: 05-Dec-2012 09:06:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.998	5.998	0.0	86	189692	4.00	
* 2 Naphthalene-d8	136	7.109	7.109	0.0	97	816137	4.00	
* 3 Acenaphthene-d10	164	8.605	8.605	0.0	67	502877	4.00	
* 4 Phenanthrene-d10	188	9.865	9.865	0.0	78	887192	4.00	
* 5 Chrysene-d12	240	12.456	12.456	0.0	73	914426	4.00	
* 6 Perylene-d12	264	14.572	14.572	0.0	87	714138	4.00	
$ 7 2-Fluorophenol	112	4.764	4.764	0.0	93	783033	10.5	
$ 8 Phenol-d5	99	5.640	5.640	0.0	0	1178339	10.9	
$ 9 Nitrobenzene-d5	82	6.478	6.478	0.0	83	1238602	9.92	
$ 10 2-Fluorobiphenyl (Surr)	172	8.012	8.012	0.0	99	1641088	9.83	
$ 11 2,4,6-Tribromophenol	330	9.267	9.267	0.0	73	198873	10.2	
$ 12 Terphenyl-d14	244	11.228	11.228	0.0	96	1799149	9.60	
25 1,4-Dioxane	88	2.632	2.632	0.0	85	381093	10.4	
26 N-Nitrosodimethylamine	74	3.118	3.118	0.0	81	602530	12.5	
27 Pyridine	79	3.172	3.172	0.0	94	1093099	11.1	
28 Ethyl methacrylate	69	3.770	3.770	0.0	77	1010927	10.6	
29 3-Chloropropionitrile	54	4.128	4.128	0.0	86	398676	11.4	
33 Malononitrile	66		4.507					
41 Benzaldehyde	77	5.608	5.608	0.0	83	886080	10.2	
43 Phenol	94	5.650	5.650	0.0	96	1318143	10.8	
44 Aniline	93	5.698	5.698	0.0	83	1611066	10.6	
69 Bis(2-chloroethyl)ether	93	5.747	5.747	0.0	94	966504	10.3	
46 2-Chlorophenol	128	5.805	5.805	0.0	82	714013	10.3	
47 1,3-Dichlorobenzene	146	5.950	5.950	0.0	83	774623	10.4	
48 1,4-Dichlorobenzene	146	6.014	6.014	0.0	78	749040	9.96	
49 Benzyl alcohol	108	6.104	6.104	0.0	82	594916	10.4	
50 1,2-Dichlorobenzene	146	6.147	6.147	0.0	76	700550	9.68	
51 2-Methylphenol	108	6.190	6.190	0.0	94	875636	10.8	
53 2,2'-oxybis[1-chloropropane]	45	6.222	6.222	0.0	96	1061431	11.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 3 & 4 Methylphenol	108	6.318	6.318	0.0	93	901839	10.4	
57 N-Nitrosodi-n-propylamine	70	6.334	6.334	0.0	69	918618	10.8	
58 Acetophenone	105	6.345	6.345	0.0	80	1294088	10.3	
61 Hexachloroethane	117	6.452	6.452	0.0	90	357930	10.2	
62 Nitrobenzene	77	6.494	6.494	0.0	70	1364952	10.4	
64 Isophorone	82	6.697	6.697	0.0	93	2446694	10.2	
66 2-Nitrophenol	139	6.772	6.772	0.0	83	363407	10.1	
67 1,3,5-Trichlorobenzene	180	6.783	6.783	0.0	81	718549	9.77	
65 2,4-Dimethylphenol	107	6.783	6.783	0.0	95	981421	9.75	
71 Benzoic acid	122	6.842	6.842	0.0	76	807592	18.4	M
70 Bis(2-chloroethoxy)methane	93	6.868	6.868	0.0	94	1268661	10.3	
73 2,4-Dichlorophenol	162	6.970	6.970	0.0	89	580518	10.0	
74 1,2,4-Trichlorobenzene	180	7.050	7.050	0.0	75	708160	9.90	
75 Naphthalene	128	7.125	7.125	0.0	97	2158545	9.63	
76 4-Chloroaniline	127	7.157	7.157	0.0	77	869650	9.81	
79 Hexachlorobutadiene	225	7.221	7.221	0.0	87	371316	9.52	
80 1,2,3-Trichlorobenzene	180	7.248	7.248	0.0	79	648490	0	
84 Caprolactam	113	7.440	7.440	0.0	79	273856	11.6	
86 4-Chloro-3-methylphenol	107	7.547	7.547	0.0	80	851193	10.0	
87 2-Methylnaphthalene	142	7.712	7.712	0.0	83	1410816	10.0	
88 1-Methylnaphthalene	142	7.798	7.798	0.0	79	1348712	9.92	
90 1,2,3,5-Tetrachlorobenzene	216	7.841	7.841	0.0	82	712549	10.2	
89 Hexachlorocyclopentadiene	237	7.841	7.841	0.0	59	377578	9.34	
92 2,4,6-Trichlorophenol	196	7.942	7.942	0.0	86	433458	9.96	
93 2,4,5-Trichlorophenol	196	7.974	7.974	0.0	89	473575	9.88	
97 2,4-Toluene diamine	121	8.086	8.086	0.0	94	406595	10.2	
99 1,2,3,4 -Tetrachlorobenzene	216	8.097	8.097	0.0	85	681159	0	
98 1,1'-Biphenyl	154	8.102	8.102	0.0	92	1821888	10.0	
100 2-Chloronaphthalene	162	8.129	8.129	0.0	93	1408389	10.2	
102 2-Nitroaniline	65	8.204	8.204	0.0	66	700663	10.9	
105 Dimethyl phthalate	163	8.337	8.337	0.0	92	1637491	10.0	
107 2,6-Dinitrotoluene	165	8.396	8.396	0.0	72	362181	10.7	
108 1,2-Dinitrobenzene	168	8.450	8.450	0.0	76	177696	10.6	
109 Acenaphthylene	152	8.487	8.487	0.0	68	2325500	10.5	
110 3-Nitroaniline	138	8.546	8.546	0.0	81	393918	10.8	
111 2,4-Dinitrophenol	184	8.631	8.631	0.0	68	435625	18.6	
112 Acenaphthene	153	8.631	8.631	0.0	85	1388924	9.90	
113 4-Nitrophenol	109	8.658	8.658	0.0	85	262352	9.76	
114 2,4-Dinitrotoluene	165	8.738	8.738	0.0	75	482747	10.6	
116 Dibenzofuran	168	8.775	8.775	0.0	86	2058629	10.2	
118 2,3,5,6-Tetrachlorophenol	232	8.829	8.829	0.0	82	381642	9.60	
121 Diethyl phthalate	149	8.930	8.930	0.0	95	1611210	9.96	
123 4-Chlorophenyl phenyl ether	204	9.048	9.048	0.0	89	863964	9.94	
125 4-Nitroaniline	138	9.064	9.064	0.0	77	424403	11.0	
126 Fluorene	166	9.064	9.064	0.0	69	1716866	10.0	
128 4,6-Dinitro-2-methylphenol	198	9.085	9.085	0.0	75	307423	9.31	
131 N-Nitrosodiphenylamine	169	9.144	9.144	0.0	92	1242801	10.1	
132 1,2-Diphenylhydrazine	77	9.187	9.187	0.0	99	3263941	10.9	
133 Azobenzene	77	9.187	9.187	0.0	92	3264729	10.9	
139 4-Bromophenyl phenyl ether	248	9.470	9.470	0.0	65	446251	9.97	
141 Hexachlorobenzene	284	9.529	9.529	0.0	76	456729	10.1	
142 Atrazine	200	9.577	9.577	0.0	79	435332	11.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.689	9.689	0.0	79	612275	18.2	
148 Phenanthrene	178	9.887	9.887	0.0	81	2622836	9.90	
149 Anthracene	178	9.929	9.929	0.0	83	2747650	10.3	
151 Carbazole	167	10.052	10.052	0.0	64	2372238	9.97	
154 Di-n-butyl phthalate	149	10.309	10.309	0.0	100	3032040	10.4	
159 Fluoranthene	202	10.902	10.902	0.0	77	3082233	10.2	
160 Benzidine	184	10.998	10.998	0.0	88	1560137	9.18	
161 Pyrene	202	11.115	11.115	0.0	73	3158646	9.98	
168 Butyl benzyl phthalate	149	11.719	11.719	0.0	84	1217082	9.64	
172 3,3'-Dimethoxybenzidine	244	12.339	12.339	0.0	77	642380	8.79	
174 4,4'-Methylene bis(2-chloroanili	231	12.387	12.387	0.0	67	514876	10.1	
175 3,3'-Dichlorobenzidine	252	12.387	12.387	0.0	67	1012664	9.58	
173 Bis(2-ethylhexyl) phthalate	149	12.403	12.403	0.0	93	1847098	9.83	
177 Benzo[a]anthracene	228	12.446	12.446	0.0	79	2721929	9.56	
178 Chrysene	228	12.494	12.494	0.0	82	2546543	9.75	
180 Di-n-octyl phthalate	149	13.332	13.332	0.0	98	2969404	9.78	
182 Benzo[b]fluoranthene	252	13.979	13.979	0.0	79	2481132	10.0	
183 Benzo[k]fluoranthene	252	14.021	14.021	0.0	80	2648524	10.4	
184 Benzo[a]pyrene	252	14.492	14.492	0.0	75	2393172	10.2	
188 Indeno[1,2,3-cd]pyrene	276	16.271	16.271	0.0	69	2610431	10.2	
189 Dibenz(a,h)anthracene	278	16.297	16.297	0.0	65	2133378	10.1	
190 Benzo[g,h,i]perylene	276	16.741	16.741	0.0	75	2168744	10.1	
S 191 Methyl Phenols,Total	100				0		21.2	

QC Flag Legend

Review Flags
M - Manually Integrated

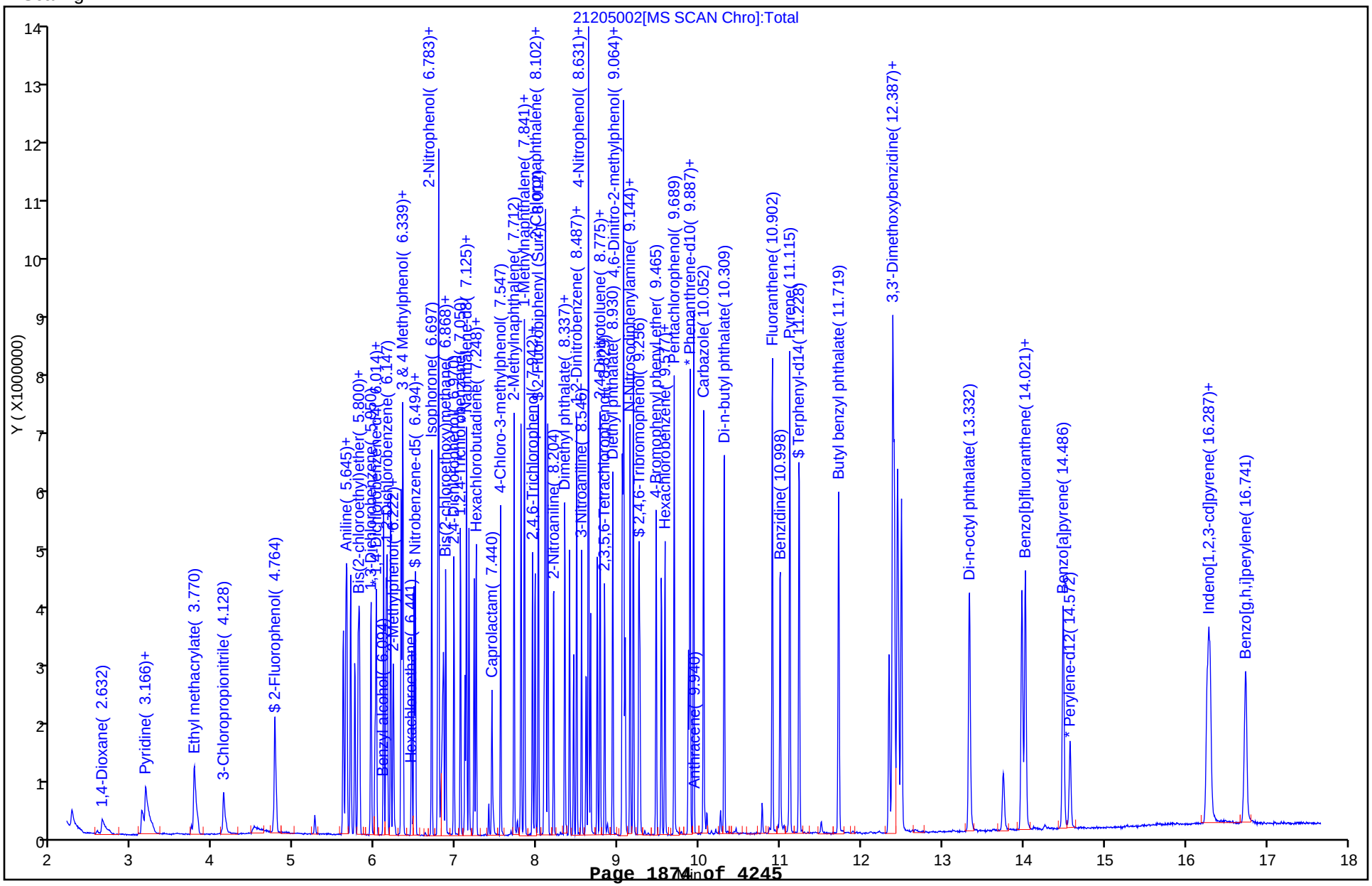
Report Date: 05-Dec-2012 11:40:04 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205002.D

Injection Date:	05-Dec-2012 08:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

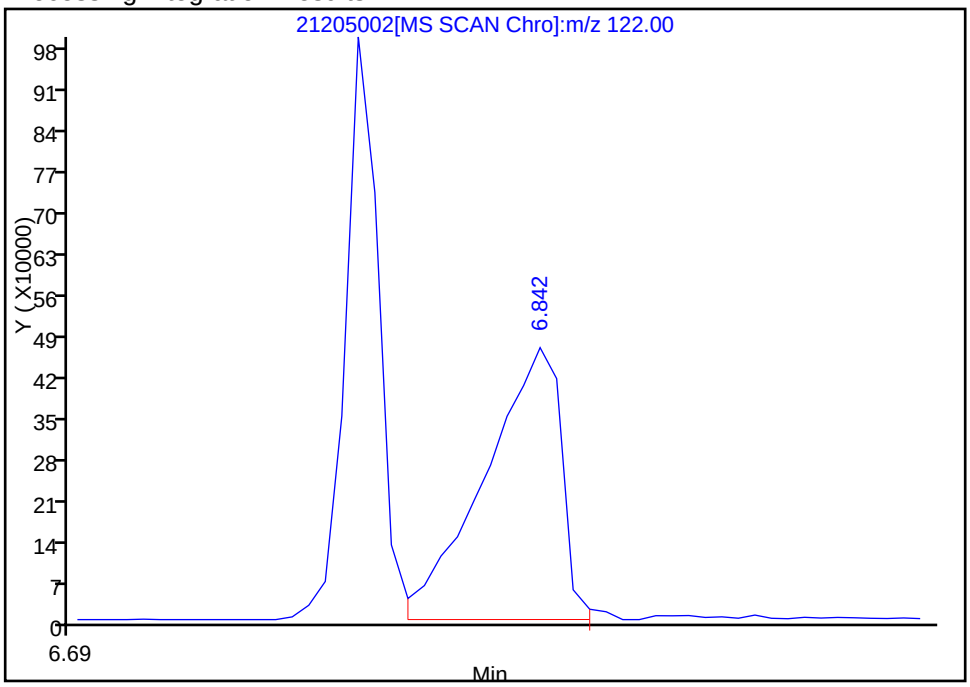
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205002.D		
Injection Date:	05-Dec-2012 08:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	2
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

71 Benzoic acid, Signal: 1, m/z: 122.0 Type: quant, RT: 6.84

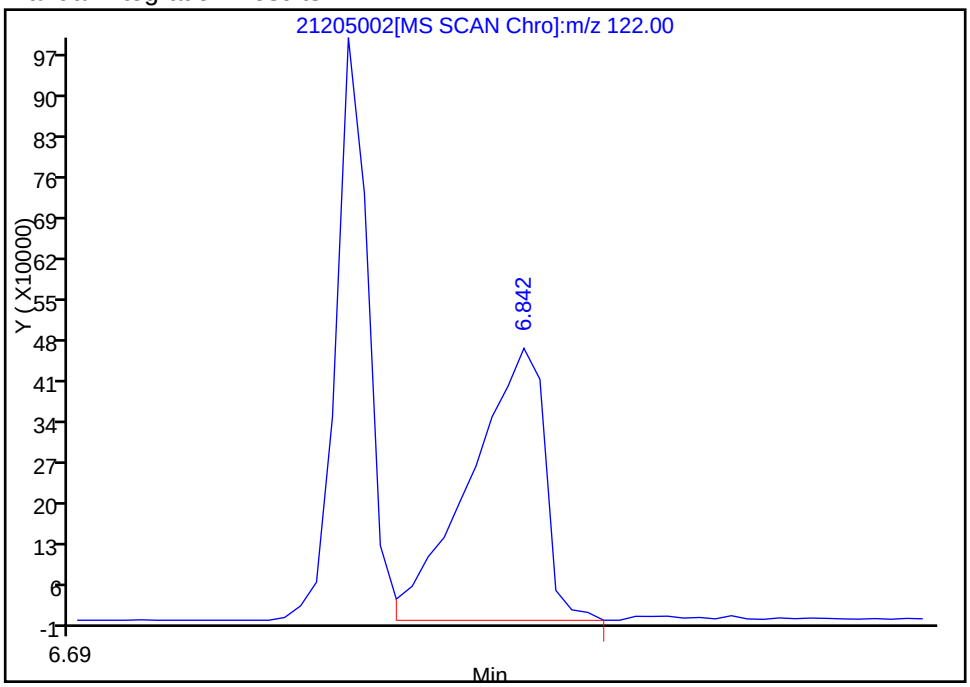
Processing Integration Results

RT: 6.84
Response: 802210
Amount: 18.306720



Manual Integration Results

RT: 6.84
Response: 807592
Amount: 18.413509



Reviewer: ulmanm, 05-Dec-2012 09:06:26
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/05/2012 14:07

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.099			0.101	0.100		
2-Methylnaphthalene	Ave	0.6886			0.0892	0.100		
1,1'-Biphenyl	Ave	1.445			0.109	0.100		
2-Chloronaphthalene	Ave	1.103			0.0891	0.100		
Acenaphthylene	Ave	1.759			0.0920	0.100		
Acenaphthene	Ave	1.116			0.0912	0.100		
Fluorene	Ave	1.363			0.0859	0.100		
Phenanthrene	Ave	1.195			0.0957	0.100		
Anthracene	Ave	1.197			0.0919	0.100		
Fluoranthene	Ave	1.364			0.0824	0.100		
Pyrene	Ave	1.384			0.104	0.100		
Benzo[a]anthracene	Ave	1.246			0.0718	0.100		
Chrysene	Ave	1.142			0.0983	0.100		
Benzo[b]fluoranthene	Ave	1.387			0.0817	0.100		
Benzo[k]fluoranthene	Ave	1.426			0.0826	0.100		
Benzo[a]pyrene	Ave	1.309			0.0915	0.100		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.113	0.100		
Dibenz(a,h)anthracene	Ave	1.180			0.103	0.100		
Benzo[g,h,i]perylene	Ave	1.208			0.127	0.100		
1,2,4-Trichlorobenzene	Ave	0.3506			0.000800	0.100		
1,2-Dichlorobenzene	Ave	1.526			0.000800	0.100		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.000800	0.100		
1,3-Dichlorobenzene	Ave	1.570			0.000800	0.100		
1,4-Dichlorobenzene	Ave	1.586			0.000800	0.100		
1,4-Dioxane	Ave	0.7764			0.000800	0.100		
2,4,5-Trichlorophenol	Ave	0.3811			0.000800	0.100		
2,4,6-Trichlorophenol	Ave	0.3463			0.000800	0.100		
2,4-Dichlorophenol	Ave	0.2834			0.000800	0.100		
2,4-Dimethylphenol	Ave	0.4935			0.000800	0.100		
2,4-Dinitrophenol	Qua				0.00240	0.200		
2,4-Dinitrotoluene	Ave	0.3626			0.000800	0.100		
2,6-Dinitrotoluene	Ave	0.2702			0.000800	0.100		
2-Chlorophenol	Ave	1.461			0.000800	0.100		
2-Methylphenol	Ave	1.718			0.000800	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/05/2012 14:07

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Nitroaniline	Ave	0.5134			0.000800	0.100		
2-Nitrophenol	Ave	0.1757			0.000800	0.100		
3 & 4 Methylphenol	Ave	1.828			0.000800	0.100		
3,3'-Dichlorobenzidine	Qua				0.000800	0.100		
3-Nitroaniline	Ave	0.2907			0.000800	0.100		
4,6-Dinitro-2-methylphenol	Qua				0.00240	0.100		
4-Bromophenyl phenyl ether	Ave	0.2017			0.000800	0.100		
4-Chloro-3-methylphenol	Ave	0.4157			0.000800	0.100		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.000800	0.100		
4-Nitroaniline	Ave	0.3061			0.000800	0.100		
4-Nitrophenol	Ave	0.2139			0.00240	0.100		
Acetophenone	Ave	2.653			0.000800	0.100		
Aniline	Ave	3.218			0.00240	0.100		
Atrazine	Ave	0.1759			0.000800	0.100		
Benzaldehyde	Qua				0.000800	0.100		
Benzidine	Qua				0.00240	0.100		
Benzoic acid	Qua				0.0100	0.200		
Benzyl alcohol	Ave	1.204			0.000800	0.100		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.000800	0.100		
Bis(2-chloroethyl)ether	Ave	1.987			0.000100	0.100		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.000800	0.100		
Butyl benzyl phthalate	Ave	0.5524			0.000800	0.100		
Caprolactam	Ave	0.1156			0.000800	0.100		
Carbazole	Ave	1.072			0.000800	0.100		
Dibenzofuran	Ave	1.610			0.000100	0.100		
Diethyl phthalate	Ave	1.286			0.000800	0.100		
Dimethyl phthalate	Ave	1.299			0.000800	0.100		
Di-n-butyl phthalate	Ave	1.317			0.000800	0.100		
Di-n-octyl phthalate	Qua				0.000800	0.100		
Hexachlorobenzene	Ave	0.2035			0.000100	0.100		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll1 Calibration Date: 12/05/2012 14:07

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205016.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.1912			0.000800	0.100		
Hexachlorocyclopentadiene	Ave	0.3216			0.000800	0.100		
Hexachloroethane	Ave	0.7420			0.000800	0.100		
Isophorone	Ave	1.175			0.000800	0.100		
Nitrobenzene	Ave	0.6444			0.000100	0.100		
N-Nitrosodimethylamine	Ave	1.020			0.000800	0.100		
N-Nitrosodi-n-propylamine	Ave	1.801			0.000800	0.100		
N-Nitrosodiphenylamine	Ave	0.5526			0.000800	0.100		
Pentachlorophenol	Qua				0.00240	0.200		
Phenol	Ave	2.575			0.000800	0.100		
Pyridine	Ave	2.082			0.000800	0.100		
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.0834	0.100	83	35-100
2-Fluorobiphenyl (Surr)	Ave	1.328			0.0882	0.100	88	45-105
Terphenyl-d14 (Surr)	Ave	0.8194			0.114	0.100	114	30-125
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.000000	0.100	0*	35-125
2-Fluorophenol (Surr)	Ave	1.574			0.000000	0.100	0*	35-105
Phenol-d5 (Surr)	Ave	2.273			0.000000	0.100	0*	40-100

Report Date: 06-Dec-2012 09:56:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205016.D
Lims ID: mdll1 Client ID:
Inject. Date: 05-Dec-2012 14:07:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015535-016
Misc. Info.: MDLL1 =MDLL1
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 67368 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 06-Dec-2012 09:56:02 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: ulmanm Date: 05-Dec-2012 14:50:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.997	5.998	-0.001	87	154964	4.00	
* 2 Naphthalene-d8	136	7.108	7.109	-0.001	98	644515	4.00	
* 3 Acenaphthene-d10	164	8.604	8.605	-0.001	70	375194	4.00	
* 4 Phenanthrene-d10	188	9.865	9.865	0.0	76	694273	4.00	
* 5 Chrysene-d12	240	12.456	12.456	0.0	80	669908	4.00	
* 6 Perylene-d12	264	14.571	14.572	-0.001	79	512301	4.00	
$ 7 2-Fluorophenol	112		4.764					9
$ 8 Phenol-d5	99		5.640					
$ 9 Nitrobenzene-d5	82	6.478	6.478	0.0	60	8222	0.0834	
$ 10 2-Fluorobiphenyl (Surr)	172	8.011	8.012	-0.001	61	10988	0.0882	
$ 11 2,4,6-Tribromophenol	330		9.267					9
$ 12 Terphenyl-d14	244	11.232	11.228	0.004	57	15678	0.1142	
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
34 Methyl methanesulfonate	80		2.587					
25 1,4-Dioxane	88		2.632					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74		3.118					9
27 Pyridine	79		3.172					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.770					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					9
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.128					9
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
33 Malononitrile	66		4.507					
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.608					
43 Phenol	94		5.650					
103 1,4-Naphthoquinone	158		5.680					
44 Aniline	93		5.698					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
69 Bis(2-chloroethyl)ether	93		5.747					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
46 2-Chlorophenol	128		5.805					9
47 1,3-Dichlorobenzene	146		5.950					
48 1,4-Dichlorobenzene	146		6.014					
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108		6.104					
50 1,2-Dichlorobenzene	146		6.147					9
117 1-Naphthylamine	143		6.166					
51 2-Methylphenol	108		6.190					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
53 2,2'-oxybis[1-chloropropane]	45		6.222					
120 2-Naphthylamine	143		6.225					
122 Thionazin	97		6.305					
21 3 & 4 Methylphenol	108		6.318					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 N-Nitrosodi-n-propylamine	70		6.334					9
58 Acetophenone	105		6.345					
124 N-Nitro-o-toluidine	152		6.358					9
127 Tributyl phosphate	99		6.379					
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117		6.452					9
62 Nitrobenzene	77		6.494					
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					9
64 Isophorone	82		6.697					
140 Dimethoate	87		6.764					
66 2-Nitrophenol	139		6.772					
65 2,4-Dimethylphenol	107		6.783					9
67 1,3,5-Trichlorobenzene	180		6.783					9
71 Benzoic acid	122		6.842					9
70 Bis(2-chloroethoxy)methane	93		6.868					
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162		6.970					9
146 Disulfoton	88		7.010					9
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180		7.050					9
75 Naphthalene	128	7.124	7.125	-0.001	54	17794	0.1005	
76 4-Chloroaniline	127		7.157					9
79 Hexachlorobutadiene	225		7.221					
80 1,2,3-Trichlorobenzene	180	7.247	7.248	-0.001	56	5521	0	
152 Methyl parathion	109		7.282					9
84 Caprolactam	113		7.440					9
86 4-Chloro-3-methylphenol	107		7.547					9
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142	7.712	7.712	0.0	55	9903	0.0892	
88 1-Methylnaphthalene	142	7.803	7.798	0.005	41	10103	0.0941	
158 Isodrin	66		7.816					9
90 1,2,3,5-Tetrachlorobenzene	216		7.841					
89 Hexachlorocyclopentadiene	237		7.841					
92 2,4,6-Trichlorophenol	196		7.942					
93 2,4,5-Trichlorophenol	196		7.974					
97 2,4-Toluene diamine	121		8.086					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.097					9
98 1,1'-Biphenyl	154	8.102	8.102	0.0	70	14782	0.1091	
100 2-Chloronaphthalene	162	8.129	8.129	0.0	77	9212	0.0891	
226 Aramite Peak 1	185		8.131					9
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65		8.204					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					
105 Dimethyl phthalate	163		8.337					
107 2,6-Dinitrotoluene	165		8.396					
108 1,2-Dinitrobenzene	168		8.450					9
167 Famphur	218		8.473					
109 Acenaphthylene	152	8.487	8.487	0.0	79	15179	0.0920	
169 3,3'-Dimethylbenzidine	212		8.516					
110 3-Nitroaniline	138		8.546					9
111 2,4-Dinitrophenol	184		8.631					
112 Acenaphthene	153	8.631	8.631	0.0	71	9546	0.0912	
113 4-Nitrophenol	109		8.658					9
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165		8.738					9
116 Dibenzofuran	168		8.775					
118 2,3,5,6-Tetrachlorophenol	232		8.829					9
121 Diethyl phthalate	149		8.930					
123 4-Chlorophenyl phenyl ether	204		9.048					9
125 4-Nitroaniline	138		9.064					9
126 Fluorene	166	9.069	9.064	0.005	61	10987	0.0859	
128 4,6-Dinitro-2-methylphenol	198		9.085					
131 N-Nitrosodiphenylamine	169		9.144					
132 1,2-Diphenylhydrazine	77		9.187					
133 Azobenzene	77		9.187					
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248		9.470					9
141 Hexachlorobenzene	284		9.529					9
179 6-Methylchrysene	242		9.576					
142 Atrazine	200		9.577					9
143 Pentachlorophenol	266		9.689					9
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178	9.886	9.887	-0.001	19	19844	0.0957	
149 Anthracene	178	9.929	9.929	0.0	70	19099	0.0919	
150 DFTPP								
151 Carbazole	167		10.052					
154 Di-n-butyl phthalate	149		10.309					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.901	10.902	-0.001	63	19504	0.0824	
160 Benzidine	184		10.998					9
161 Pyrene	202	11.115	11.115	0.0	65	24202	0.1044	
166 4,4'-DDE	246		11.168					9
165 4,4'-DDD	235		11.547					
168 Butyl benzyl phthalate	149		11.719					9
187 Dibenz[a,h]acridine	279		11.729					9
186 Dibenz[a,j]acridine	279		11.804					9
170 4,4'-DDT	235		11.846					
172 3,3'-Dimethoxybenzidine	244		12.339					9
175 3,3'-Dichlorobenzidine	252		12.387					9
174 4,4'-Methylene bis(2-chloroanili	231		12.387					9
173 Bis(2-ethylhexyl) phthalate	149		12.403					
177 Benzo[a]anthracene	228	12.445	12.446	-0.001	14	14977	0.0718	
178 Chrysene	228	12.488	12.494	-0.006	25	18795	0.0983	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		13.332					9
182 Benzo[b]fluoranthene	252	13.984	13.979	0.005	50	14510	0.0817	
183 Benzo[k]fluoranthene	252	14.021	14.021	0.0	15	15079	0.0826	
184 Benzo[a]pyrene	252	14.480	14.492	-0.012	8	15332	0.0915	
188 Indeno[1,2,3-cd]pyrene	276	16.270	16.271	0.0	40	20746	0.1127	M
189 Dibenz(a,h)anthracene	278	16.302	16.297	0.005	0	15608	0.1033	M
190 Benzo[g,h,i]perylene	276	16.724	16.741	-0.017	0	19576	0.1266	M
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

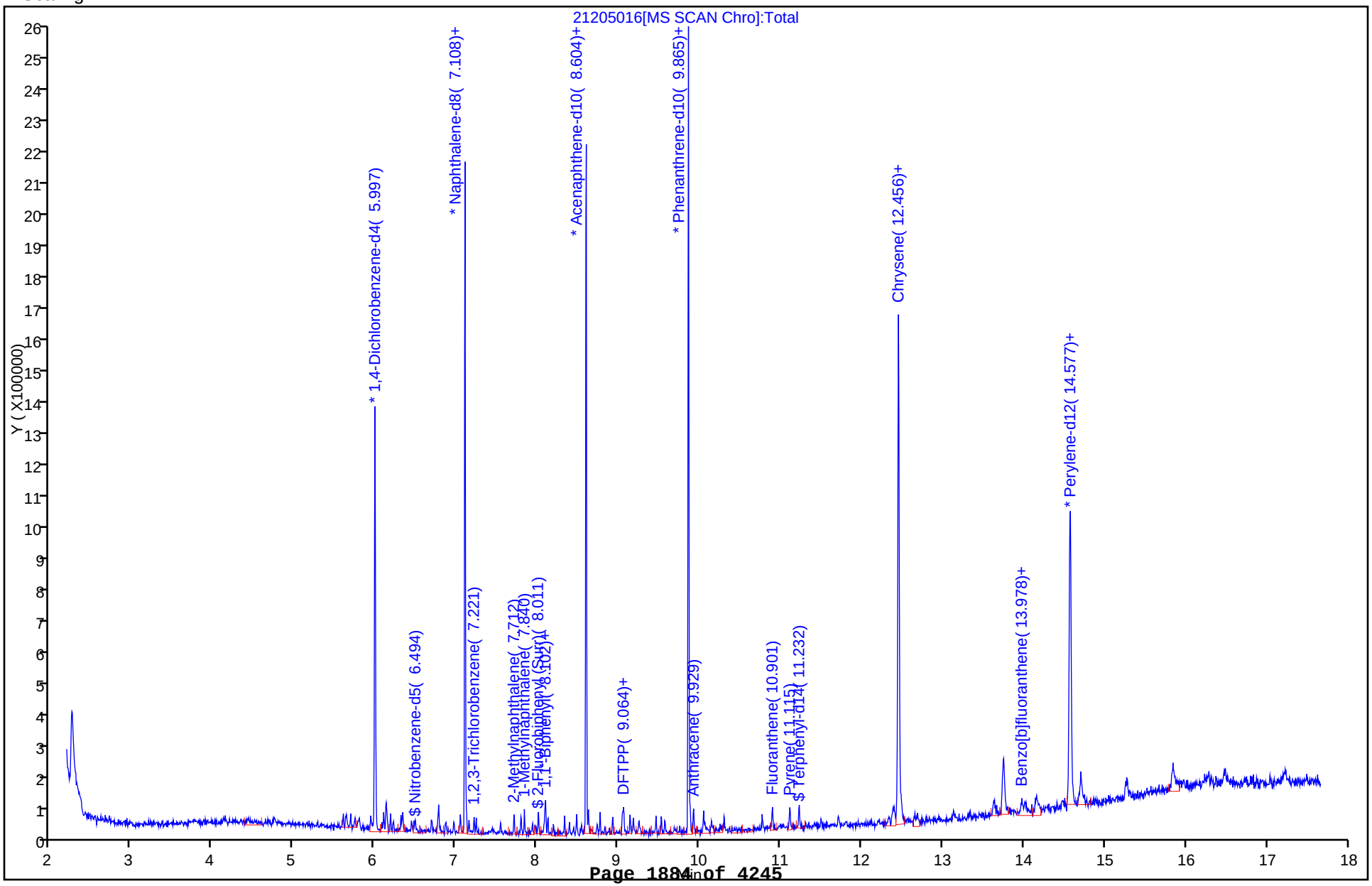
Review Flags
M - Manually Integrated

Report Date: 06-Dec-2012 09:56:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205016.D		
Injection Date:	05-Dec-2012 14:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Manual Integration/User Assign Peak Report

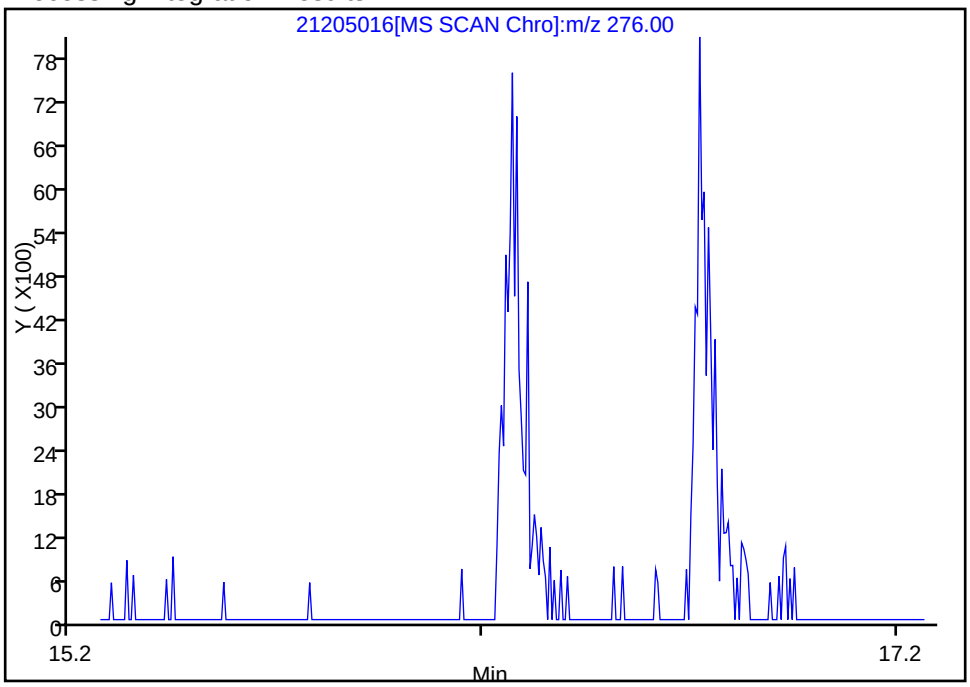
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205016.D		
Injection Date:	05-Dec-2012 14:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.27

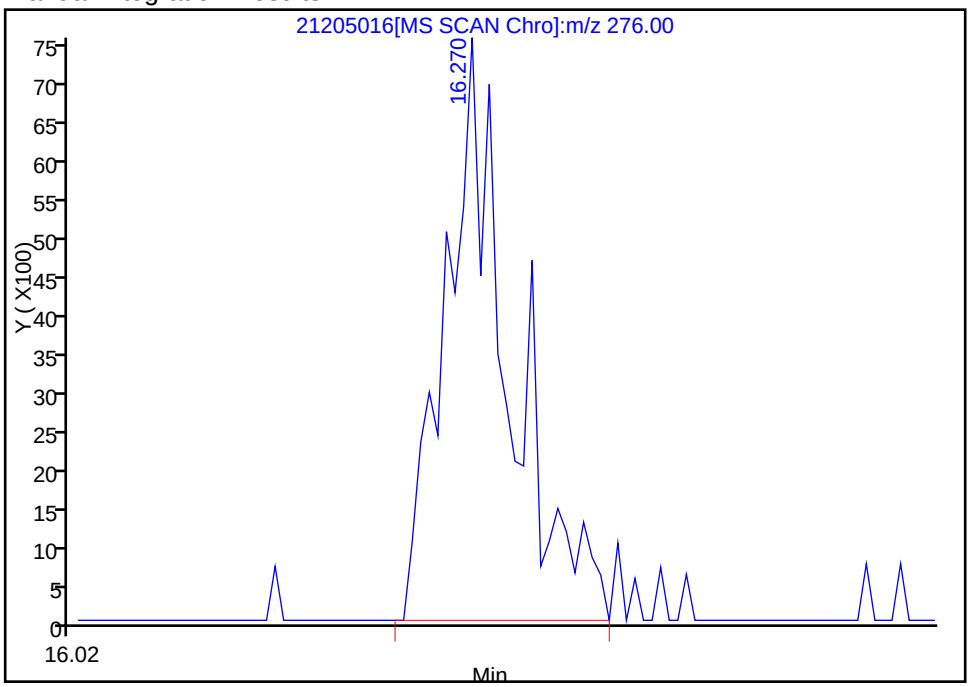
Processing Integration Results

Not Detected
Expected RT: 16.27



Manual Integration Results

RT: 16.27
Response: 20746
Amount: 0.112655



Reviewer: ulmanm, 05-Dec-2012 14:50:57
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

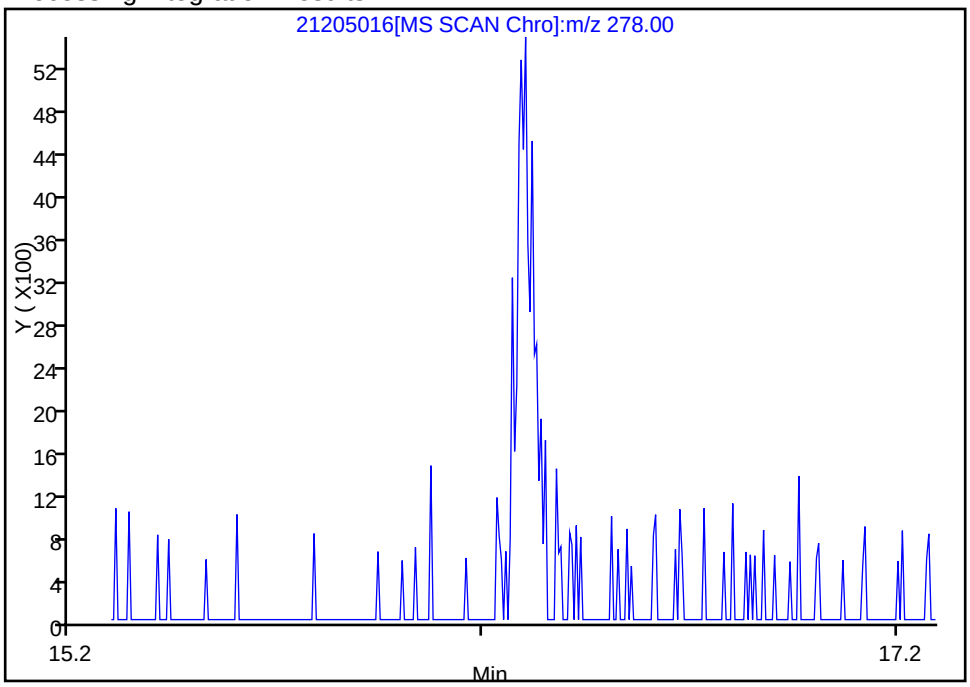
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205016.D		
Injection Date:	05-Dec-2012 14:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.30

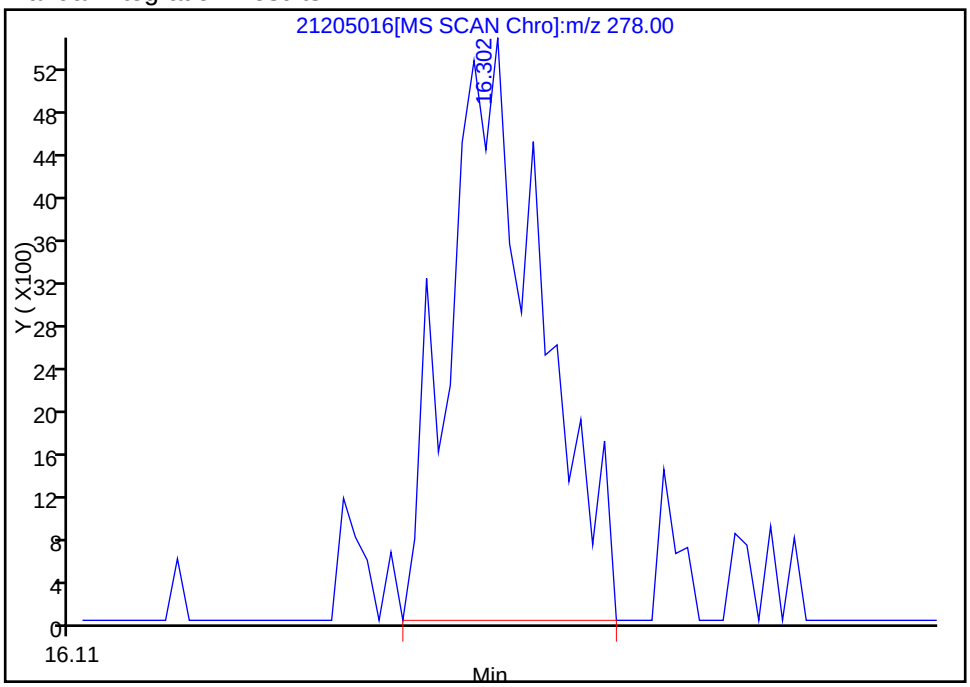
Not Detected
Expected RT: 16.30

Processing Integration Results



Manual Integration Results

RT: 16.30
Response: 15608
Amount: 0.103273



Reviewer: ulmanm, 05-Dec-2012 14:50:57
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

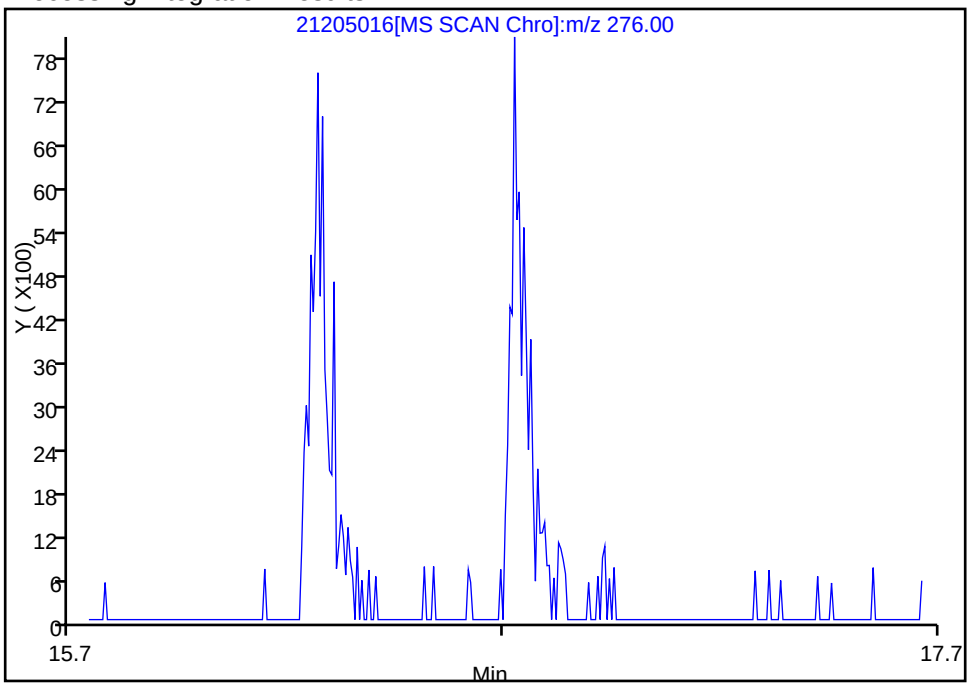
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205016.D		
Injection Date:	05-Dec-2012 14:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	16
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

190 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.74

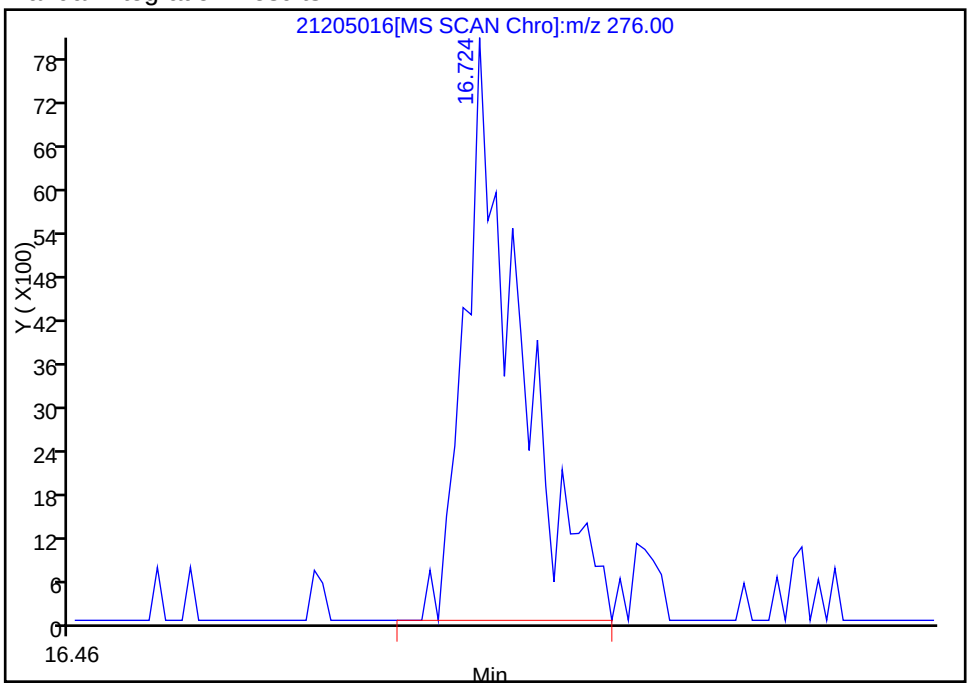
Processing Integration Results

Not Detected
Expected RT: 16.74



Manual Integration Results

RT: 16.72
Response: 19576
Amount: 0.126568



Reviewer: ulmanm, 05-Dec-2012 14:50:57
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/05/2012 14:31

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7764			0.325	0.500		
N-Nitrosodimethylamine	Ave	1.020			0.355	0.500		
Pyridine	Ave	2.082			0.556	0.500		
Benzaldehyde	Qua				0.529	0.500		
Phenol	Ave	2.575			0.442	0.500		
Aniline	Ave	3.218			0.453	0.500		
Bis(2-chloroethyl)ether	Ave	1.987			0.523	0.500		
2-Chlorophenol	Ave	1.461			0.474	0.500		
1,3-Dichlorobenzene	Ave	1.570			0.505	0.500		
1,4-Dichlorobenzene	Ave	1.586			0.524	0.500		
Benzyl alcohol	Ave	1.204			0.499	0.500		
1,2-Dichlorobenzene	Ave	1.526			0.550	0.500		
2-Methylphenol	Ave	1.718			0.455	0.500		
3 & 4 Methylphenol	Ave	1.828			0.403	0.500		
N-Nitrosodi-n-propylamine	Ave	1.801			0.397	0.500		
Acetophenone	Ave	2.653			0.475	0.500		
Hexachloroethane	Ave	0.7420			0.513	0.500		
Nitrobenzene	Ave	0.6444			0.450	0.500		
Isophorone	Ave	1.175			0.398	0.500		
2-Nitrophenol	Ave	0.1757			0.294	0.500		
2,4-Dimethylphenol	Ave	0.4935			0.427	0.500		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.472	0.500		
2,4-Dichlorophenol	Ave	0.2834			0.450	0.500		
1,2,4-Trichlorobenzene	Ave	0.3506			0.489	0.500		
Hexachlorobutadiene	Ave	0.1912			0.525	0.500		
Caprolactam	Ave	0.1156			0.318	0.500		
4-Chloro-3-methylphenol	Ave	0.4157			0.415	0.500		
2-Methylnaphthalene	Ave	0.6886			0.497	0.500		
Hexachlorocyclopentadiene	Ave	0.3216			0.226	0.500		
2,4,6-Trichlorophenol	Ave	0.3463			0.345	0.500		
2,4,5-Trichlorophenol	Ave	0.3811			0.384	0.500		
1,1'-Biphenyl	Ave	1.445			0.478	0.500		
2-Chloronaphthalene	Ave	1.103			0.466	0.500		
2-Nitroaniline	Ave	0.5134			0.358	0.500		
Dimethyl phthalate	Ave	1.299			0.418	0.500		
2,6-Dinitrotoluene	Ave	0.2702			0.324	0.500		
Acenaphthylene	Ave	1.759			0.413	0.500		
3-Nitroaniline	Ave	0.2907			0.434	0.500		
Acenaphthene	Ave	1.116			0.454	0.500		
4-Nitrophenol	Ave	0.2139			0.231	0.500		
2,4-Dinitrotoluene	Ave	0.3626			0.299	0.500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/05/2012 14:31

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.610			0.476	0.500		
Diethyl phthalate	Ave	1.286			0.420	0.500		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.456	0.500		
4-Nitroaniline	Ave	0.3061			0.424	0.500		
Fluorene	Ave	1.363			0.465	0.500		
4,6-Dinitro-2-methylphenol	Qua				0.778	0.500		
N-Nitrosodiphenylamine	Ave	0.5526			0.456	0.500		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.436	0.500		
4-Bromophenyl phenyl ether	Ave	0.2017			0.563	0.500		
Hexachlorobenzene	Ave	0.2035			0.376	0.500		
Atrazine	Ave	0.1759			0.431	0.500		
Pentachlorophenol	Qua				0.674	1.00		
Phenanthrene	Ave	1.195			0.460	0.500		
Anthracene	Ave	1.197			0.398	0.500		
Carbazole	Ave	1.072			0.437	0.500		
Di-n-butyl phthalate	Ave	1.317			0.338	0.500		
Fluoranthene	Ave	1.364			0.405	0.500		
Benzidine	Qua				0.741	0.500		
Pyrene	Ave	1.384			0.459	0.500		
Butyl benzyl phthalate	Ave	0.5524			0.362	0.500		
3,3'-Dichlorobenzidine	Qua				0.566	0.500		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.344	0.500		
Benzo[a]anthracene	Ave	1.246			0.443	0.500		
Chrysene	Ave	1.142			0.491	0.500		
Di-n-octyl phthalate	Qua				0.289	0.500		
Benzo[b]fluoranthene	Ave	1.387			0.411	0.500		
Benzo[k]fluoranthene	Ave	1.426			0.466	0.500		
Benzo[a]pyrene	Ave	1.309			0.389	0.500		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.404	0.500		
Dibenz(a,h)anthracene	Ave	1.180			0.393	0.500		
Benzo[g,h,i]perylene	Ave	1.208			0.441	0.500		
2,4-Dinitrophenol	Qua				0.00240	1.00		
Benzoic acid	Qua				0.0100	1.00		
Naphthalene	Ave	1.099			0.000100	0.500		
2-Fluorophenol (Surr)	Ave	1.574			0.429	0.500	86	35-105
Phenol-d5 (Surr)	Ave	2.273			0.424	0.500	85	40-100
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.339	0.500	68	35-125
2-Fluorobiphenyl (Surr)	Ave	1.328			0.000000	0.500	0*	45-105
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.000000	0.500	0*	35-100

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll2 Calibration Date: 12/05/2012 14:31

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205017.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Terphenyl-d14 (Surr)	Ave	0.8194			0.000000	0.500	0*	30-125

Report Date: 06-Dec-2012 09:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205017.D
Lims ID: mdll2 Client ID:
Inject. Date: 05-Dec-2012 14:31:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015535-017
Misc. Info.: MDLL2 =MDLL2
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 67368 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 06-Dec-2012 09:56:02 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: ulmanm Date: 05-Dec-2012 15:11:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.997	5.998	-0.001	84	151788	4.00	
* 2 Naphthalene-d8	136	7.108	7.109	-0.001	97	613859	4.00	
* 3 Acenaphthene-d10	164	8.599	8.605	-0.006	60	376965	4.00	
* 4 Phenanthrene-d10	188	9.865	9.865	0.0	80	642609	4.00	
* 5 Chrysene-d12	240	12.451	12.456	-0.005	79	625630	4.00	
* 6 Perylene-d12	264	14.571	14.572	-0.001	91	491160	4.00	
$ 7 2-Fluorophenol	112	4.763	4.764	-0.001	74	25607	0.4288	
$ 8 Phenol-d5	99	5.634	5.640	-0.006	0	36561	0.4239	
$ 9 Nitrobenzene-d5	82		6.478					
$ 10 2-Fluorobiphenyl (Surr)	172		8.012					
$ 11 2,4,6-Tribromophenol	330	9.267	9.267	0.0	29	4951	0.3392	M
$ 12 Terphenyl-d14	244		11.228					
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					
34 Methyl methanesulfonate	80		2.587					9
25 1,4-Dioxane	88	2.626	2.632	-0.006	52	9578	0.3251	
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74	3.171	3.118	0.053	58	13739	0.3549	M
27 Pyridine	79	3.198	3.172	0.026	55	43940	0.5562	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.770	3.770	0.0	58	30021	0.3918	
232 1-Methyl-2-pyrrilidinone	99		3.880					14
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					9
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					
29 3-Chloropropionitrile	54	4.138	4.128	0.010	54	15479	0.5528	M
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
33 Malononitrile	66		4.507					9
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					9
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					9
41 Benzaldehyde	77	5.602	5.608	-0.006	82	35034	0.5295	
43 Phenol	94	5.645	5.650	-0.005	90	43174	0.4419	
103 1,4-Naphthoquinone	158		5.680					
44 Aniline	93	5.698	5.698	0.0	92	55361	0.4534	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
69 Bis(2-chloroethyl)ether	93	5.746	5.747	0.0	74	39439	0.5232	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
46 2-Chlorophenol	128	5.805	5.805	0.0	81	26289	0.4743	
47 1,3-Dichlorobenzene	146	5.949	5.950	-0.001	80	30115	0.5054	
48 1,4-Dichlorobenzene	146	6.013	6.014	-0.001	78	31560	0.5244	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108	6.104	6.104	0.0	84	22782	0.4987	
50 1,2-Dichlorobenzene	146	6.147	6.147	0.0	70	31852	0.5499	
117 1-Naphthylamine	143		6.166					
51 2-Methylphenol	108	6.190	6.190	0.0	85	29631	0.4546	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
53 2,2'-oxybis[1-chloropropane]	45	6.227	6.222	0.005	90	41680	0.5425	
120 2-Naphthylamine	143		6.225					
122 Thionazin	97		6.305					
21 3 & 4 Methylphenol	108	6.318	6.318	0.0	77	27936	0.4028	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 N-Nitrosodi-n-propylamine	70	6.334	6.334	0.0	74	27110	0.3966	
58 Acetophenone	105	6.339	6.345	-0.006	78	47835	0.4752	
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					9
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117	6.451	6.452	-0.001	80	14434	0.5126	
62 Nitrobenzene	77	6.494	6.494	0.0	81	44459	0.4496	
134 Sulfotepp	202		6.518					9
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					9
230 Diallate Peak 2	86		6.695					9
64 Isophorone	82	6.697	6.697	0.0	90	71726	0.3977	
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139	6.766	6.772	-0.006	67	7915	0.2935	
65 2,4-Dimethylphenol	107	6.783	6.783	0.0	88	32308	0.4266	
67 1,3,5-Trichlorobenzene	180	6.783	6.783	0.0	77	27349	0.4943	
71 Benzoic acid	122		6.842					
70 Bis(2-chloroethoxy)methane	93	6.868	6.868	0.0	88	43554	0.4719	
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162	6.969	6.970	-0.001	79	19589	0.4503	
146 Disulfoton	88		7.010					9
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180	7.050	7.050	0.0	74	26310	0.4891	
75 Naphthalene	128		7.125					
76 4-Chloroaniline	127	7.156	7.157	-0.001	67	24620	0.3692	
79 Hexachlorobutadiene	225	7.221	7.221	0.0	72	15411	0.5253	
80 1,2,3-Trichlorobenzene	180		7.248					
152 Methyl parathion	109		7.282					9
84 Caprolactam	113	7.440	7.440	0.0	53	5637	0.3178	M
86 4-Chloro-3-methylphenol	107	7.546	7.547	-0.001	70	26453	0.4147	
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142	7.712	7.712	0.0	81	52523	0.4970	
88 1-Methylnaphthalene	142	7.798	7.798	0.0	86	50271	0.4916	
158 Isodrin	66		7.816					9
90 1,2,3,5-Tetrachlorobenzene	216	7.840	7.841	-0.001	67	25543	0.4856	
89 Hexachlorocyclopentadiene	237	7.840	7.841	-0.001	35	6854	0.2262	
92 2,4,6-Trichlorophenol	196	7.942	7.942	0.0	70	11254	0.3448	
93 2,4,5-Trichlorophenol	196	7.974	7.974	0.0	72	13801	0.3843	
97 2,4-Toluene diamine	121	8.081	8.086	-0.005	82	16817	0.5593	
99 1,2,3,4 -Tetrachlorobenzene	216		8.097					
98 1,1'-Biphenyl	154	8.102	8.102	0.0	89	65116	0.4782	
100 2-Chloronaphthalene	162	8.129	8.129	0.0	95	48416	0.4659	
226 Aramite Peak 1	185		8.131					
229 Aramite Peak 2	185		8.185					
102 2-Nitroaniline	65	8.198	8.204	-0.006	36	17301	0.3576	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.337	8.337	0.0	88	51133	0.4176	
107 2,6-Dinitrotoluene	165	8.396	8.396	0.0	49	8260	0.3243	
108 1,2-Dinitrobenzene	168	8.444	8.450	-0.006	65	4468	0.3568	
167 Famphur	218		8.473					9
109 Acenaphthylene	152	8.487	8.487	0.0	86	68402	0.4126	
169 3,3'-Dimethylbenzidine	212		8.516					
110 3-Nitroaniline	138	8.545	8.546	-0.001	72	11885	0.4338	
111 2,4-Dinitrophenol	184		8.631					
112 Acenaphthene	153	8.631	8.631	0.0	78	47724	0.4539	
113 4-Nitrophenol	109	8.652	8.658	-0.006	69	4653	0.2308	
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165	8.738	8.738	0.0	43	10213	0.2989	
116 Dibenzofuran	168	8.775	8.775	0.0	82	72181	0.4757	
118 2,3,5,6-Tetrachlorophenol	232	8.834	8.829	0.005	42	9249	0.3102	
121 Diethyl phthalate	149	8.930	8.930	0.0	91	50892	0.4198	
123 4-Chlorophenyl phenyl ether	204	9.048	9.048	0.0	84	29693	0.4556	
125 4-Nitroaniline	138	9.058	9.064	-0.006	76	12241	0.4243	
126 Fluorene	166	9.064	9.064	0.0	67	59707	0.4649	
128 4,6-Dinitro-2-methylphenol	198	9.085	9.085	0.0	1	3013	0.7784	
131 N-Nitrosodiphenylamine	169	9.144	9.144	0.0	93	40511	0.4563	
132 1,2-Diphenylhydrazine	77	9.181	9.187	-0.006	98	94274	0.4361	
133 Azobenzene	77	9.181	9.187	-0.006	87	94274	0.4361	
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248	9.464	9.470	-0.006	64	18234	0.5627	
141 Hexachlorobenzene	284	9.528	9.529	-0.001	67	12306	0.3764	
179 6-Methylchrysene	242		9.576					
142 Atrazine	200	9.571	9.577	-0.006	54	12171	0.4306	
143 Pentachlorophenol	266	9.689	9.689	0.0	52	5637	0.6742	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178	9.881	9.887	-0.006	94	88248	0.4597	
149 Anthracene	178	9.929	9.929	0.0	79	76510	0.3978	
150 DFTPP								
151 Carbazole	167	10.052	10.052	0.0	57	75244	0.4368	
154 Di-n-butyl phthalate	149	10.303	10.309	-0.006	96	71492	0.3379	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.896	10.902	-0.006	89	88840	0.4054	
160 Benzidine	184	10.992	10.998	-0.006	61	23461	0.7407	
161 Pyrene	202	11.110	11.115	-0.005	75	99436	0.4594	
166 4,4'-DDE	246		11.168					9
165 4,4'-DDD	235		11.547					
168 Butyl benzyl phthalate	149	11.719	11.719	0.0	76	31262	0.3618	
187 Dibenz[a,h]acridine	279		11.729					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.846					
172 3,3'-Dimethoxybenzidine	244	12.338	12.339	-0.001	19	6222	0.6913	
175 3,3'-Dichlorobenzidine	252	12.381	12.387	-0.006	41	24445	0.5665	
174 4,4'-Methylene bis(2-chloroanili	231	12.376	12.387	-0.011	52	5064	0.1450	
173 Bis(2-ethylhexyl) phthalate	149	12.402	12.403	-0.001	89	44238	0.3441	
177 Benzo[a]anthracene	228	12.440	12.446	-0.006	56	86297	0.4429	
178 Chrysene	228	12.488	12.494	-0.006	83	87667	0.4907	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.332	13.332	0.0	87	45936	0.2889	
182 Benzo[b]fluoranthene	252	13.973	13.979	-0.006	78	70003	0.4112	
183 Benzo[k]fluoranthene	252	14.016	14.021	-0.005	75	81599	0.4660	
184 Benzo[a]pyrene	252	14.486	14.492	-0.006	54	62589	0.3894	
188 Indeno[1,2,3-cd]pyrene	276	16.259	16.271	-0.011	90	71259	0.4036	M
189 Dibenz(a,h)anthracene	278	16.297	16.297	0.0	0	56971	0.3932	M
190 Benzo[g,h,i]perylene	276	16.730	16.741	-0.011	60	65434	0.4413	
S 191 Methyl Phenols,Total	100				0		0.8574	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					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

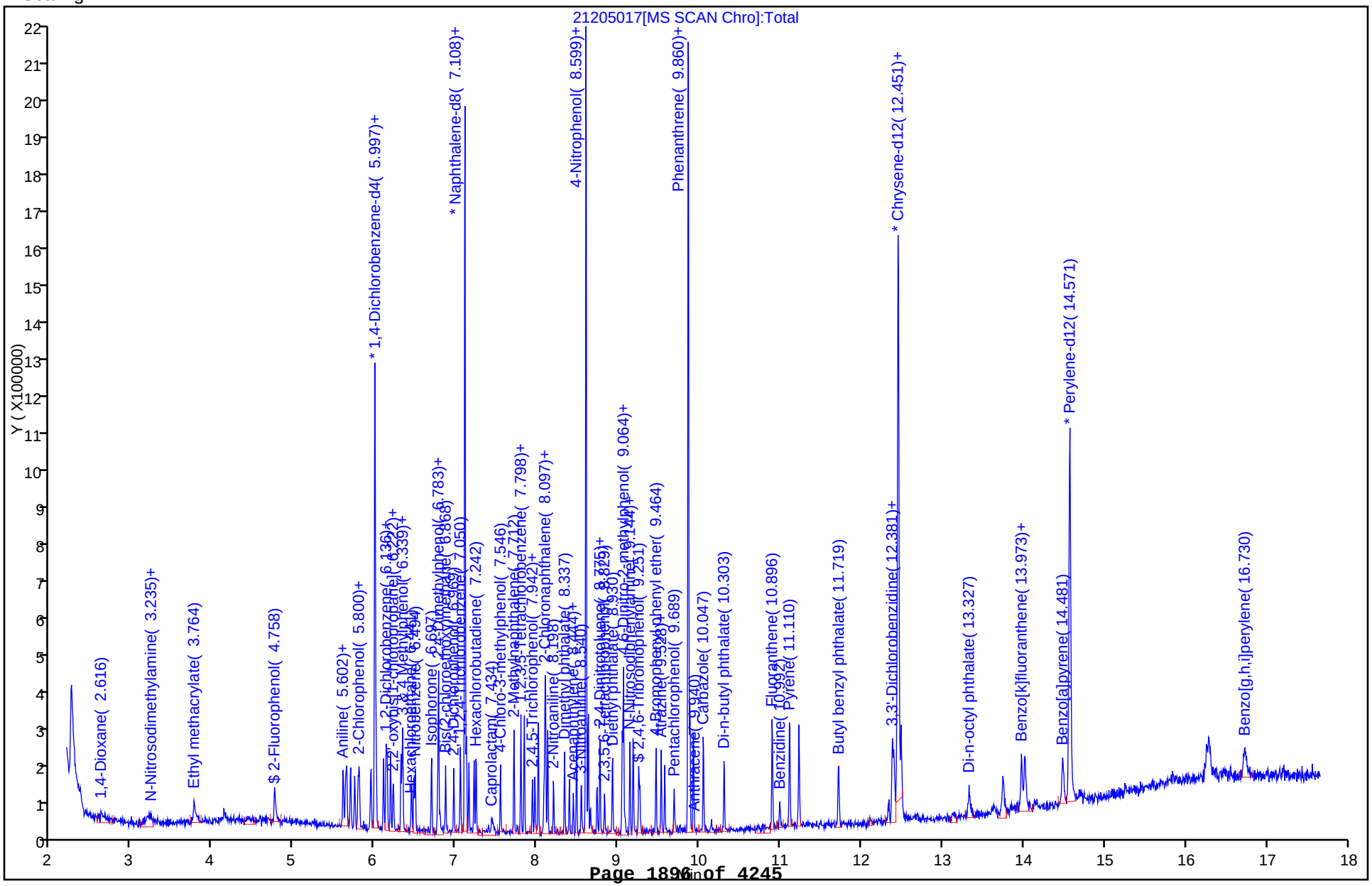
Report Date: 06-Dec-2012 09:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205017.D

Injection Date:	05-Dec-2012 14:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



Report Date: 06-Dec-2012 09:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

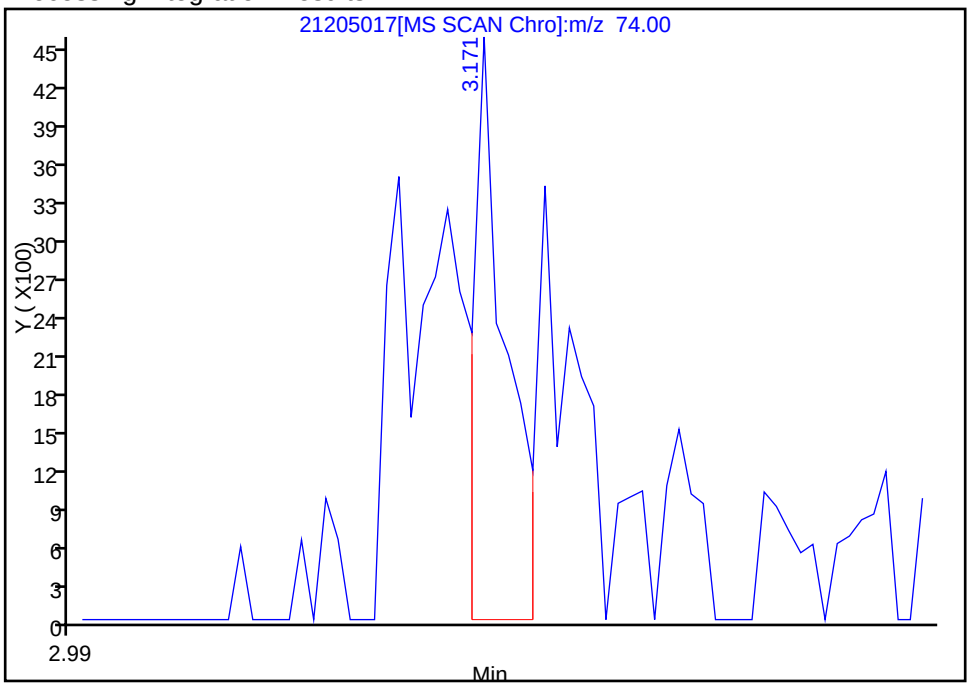
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205017.D		
Injection Date:	05-Dec-2012 14:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

26 N-Nitrosodimethylamine, Signal: 1, m/z: 74.0 Type: quant, RT: 3.12

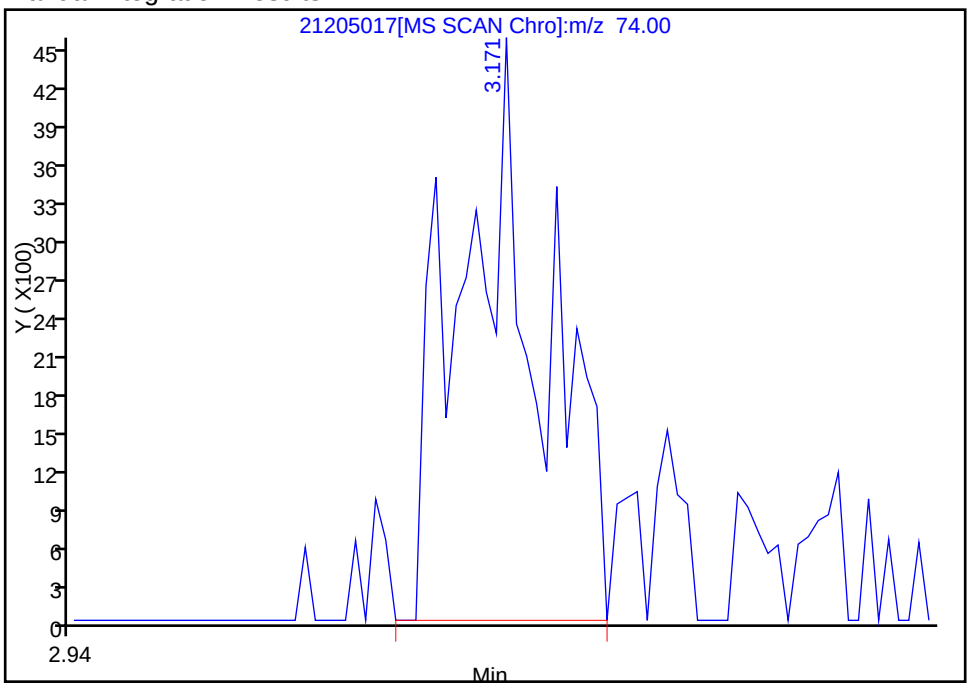
Processing Integration Results

RT: 3.17
Response: 4462
Amount: 0.115257



Manual Integration Results

RT: 3.17
Response: 13739
Amount: 0.354889



Reviewer: ulmanm, 05-Dec-2012 15:11:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Report Date: 06-Dec-2012 09:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Manual Integration/User Assign Peak Report

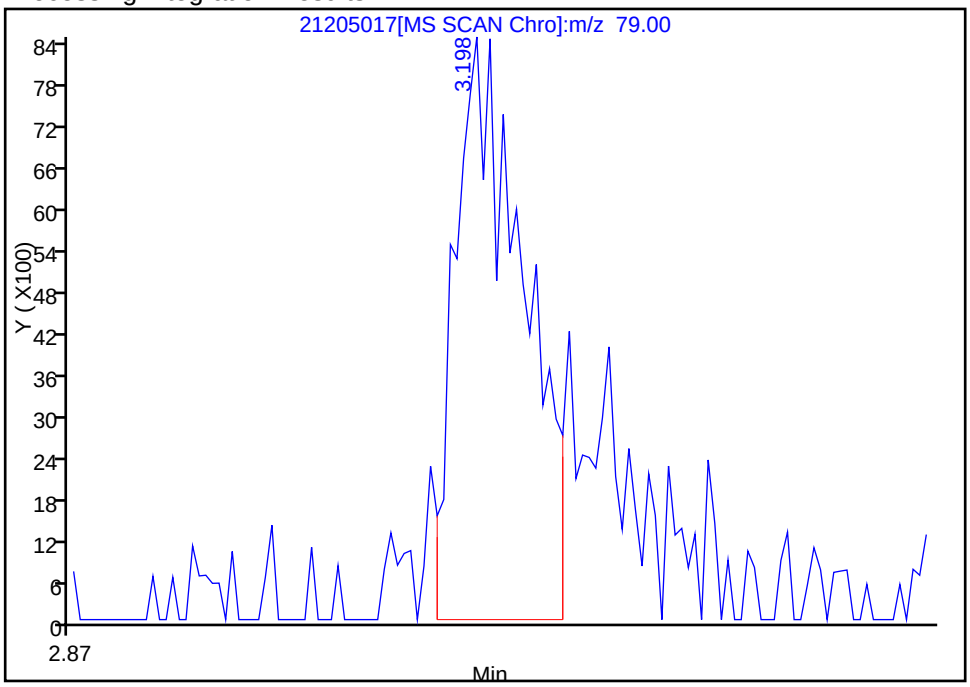
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205017.D		
Injection Date:	05-Dec-2012 14:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

27 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 3.17

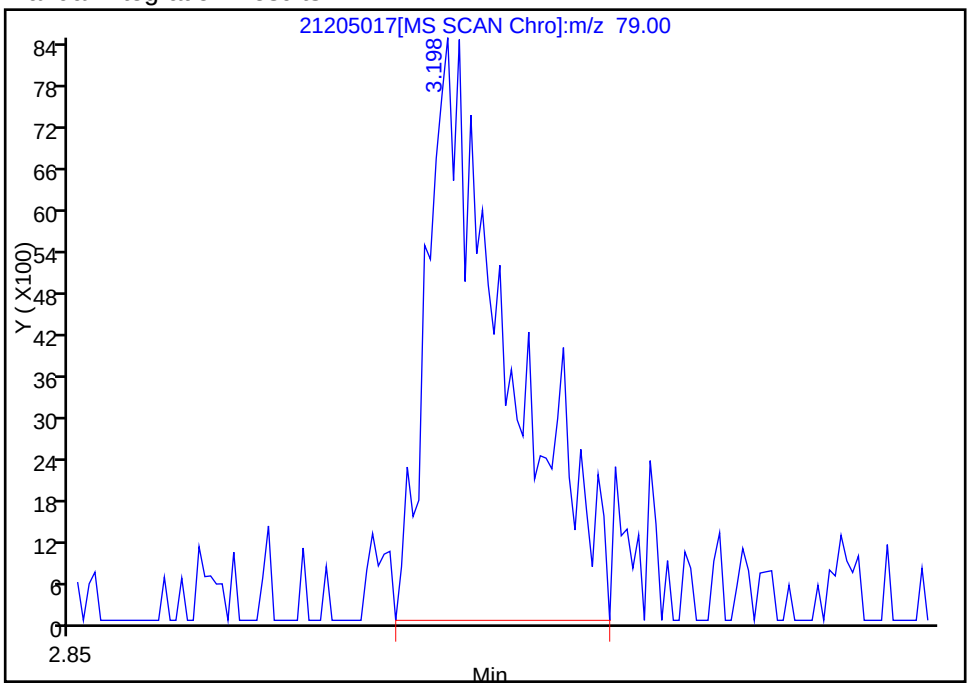
Processing Integration Results

RT: 3.20
Response: 32696
Amount: 0.413888



Manual Integration Results

RT: 3.20
Response: 43940
Amount: 0.556222



Reviewer: ulmanm, 05-Dec-2012 15:11:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

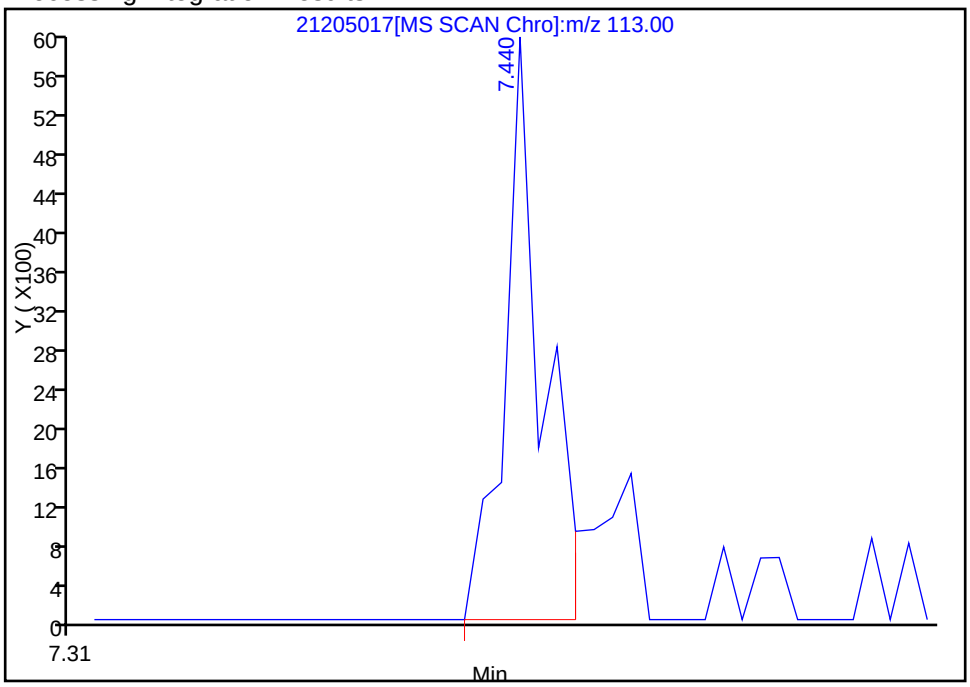
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205017.D		
Injection Date:	05-Dec-2012 14:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

84 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 7.44

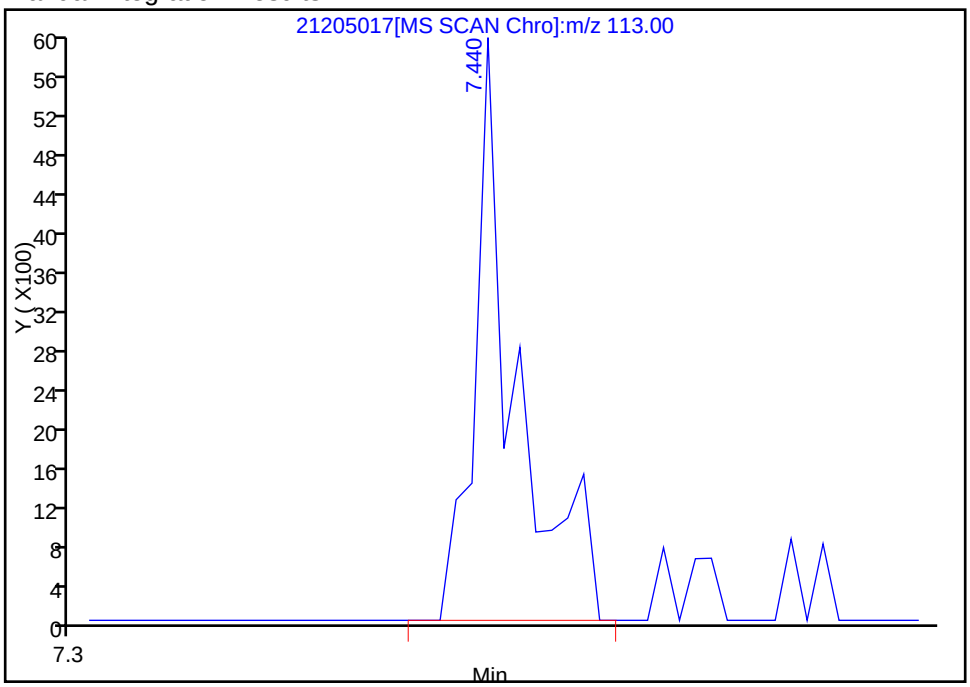
Processing Integration Results

RT: 7.44
Response: 4522
Amount: 0.254913



Manual Integration Results

RT: 7.44
Response: 5637
Amount: 0.317768



Reviewer: ulmanm, 05-Dec-2012 15:11:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

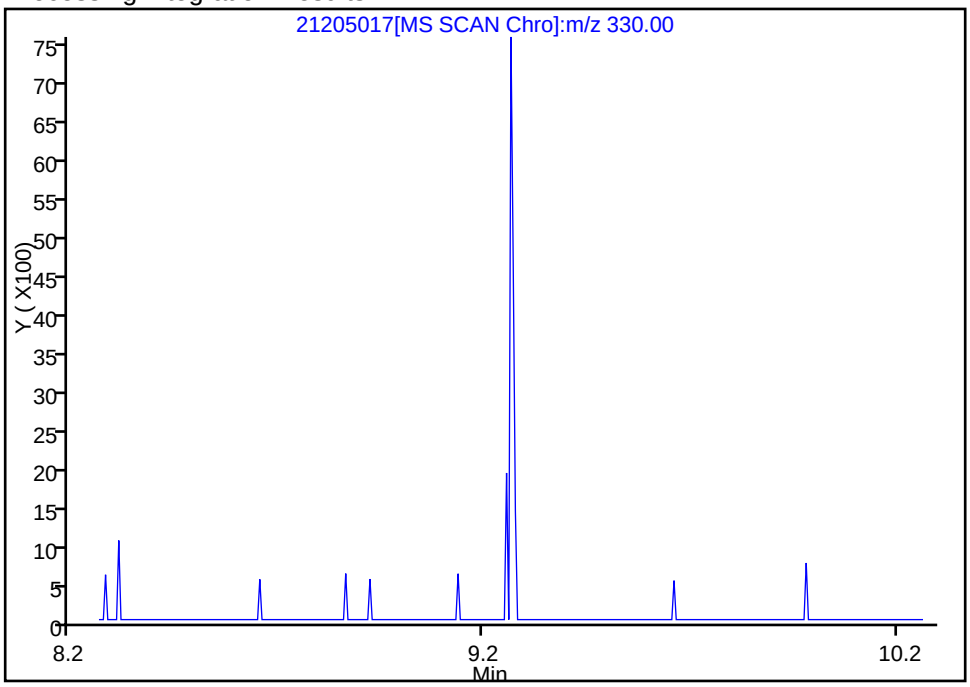
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205017.D		
Injection Date:	05-Dec-2012 14:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

$ 11 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 9.27

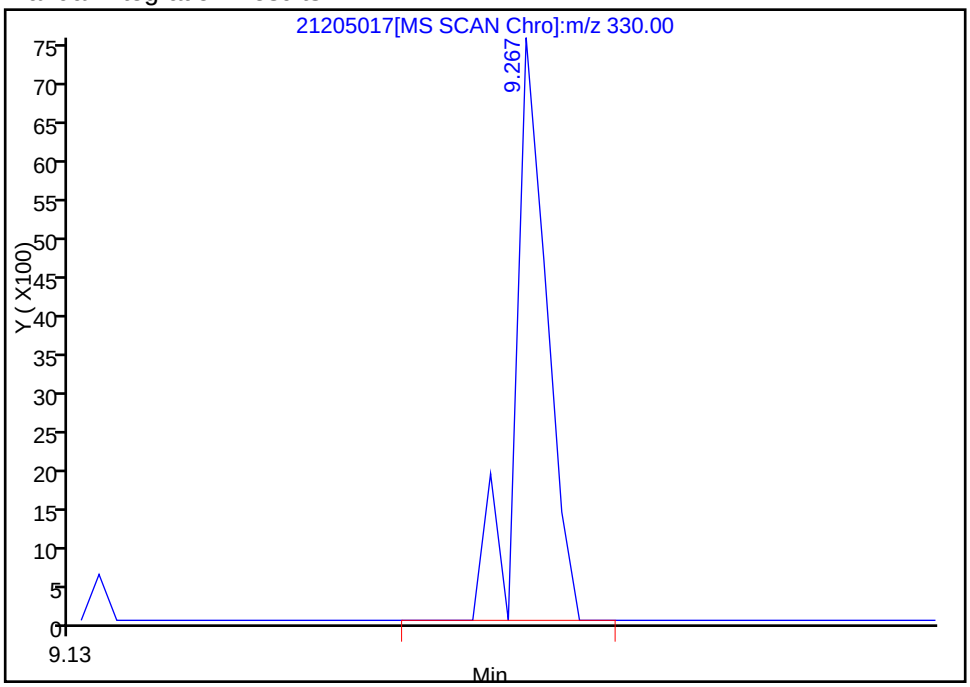
Processing Integration Results

Not Detected
Expected RT: 9.27



Manual Integration Results

RT: 9.27
Response: 4951
Amount: 0.339152



Reviewer: ulmanm, 05-Dec-2012 15:11:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

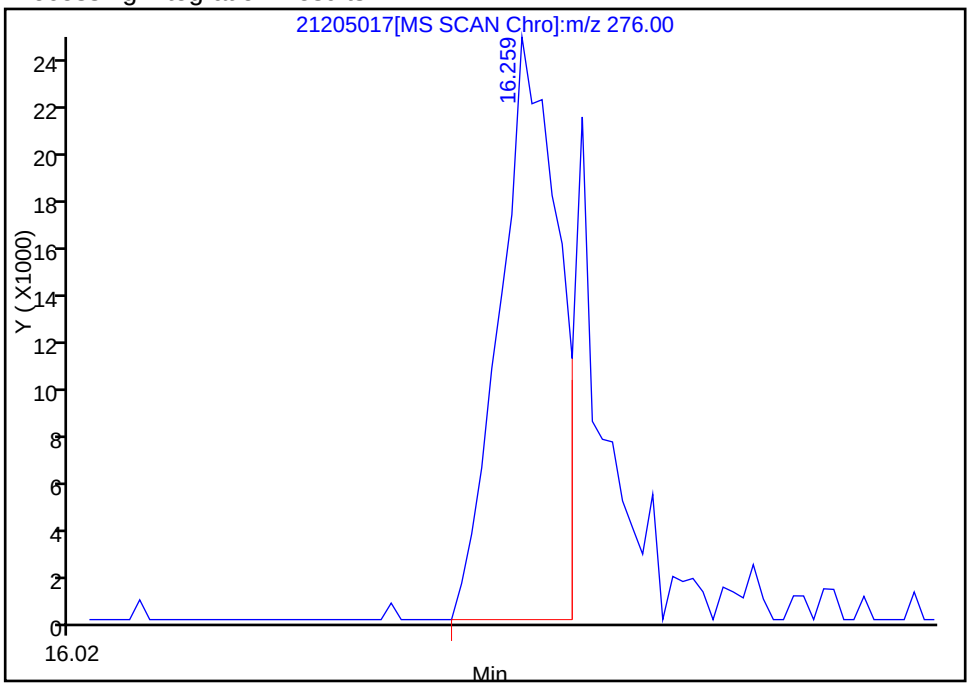
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205017.D		
Injection Date:	05-Dec-2012 14:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

188 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.27

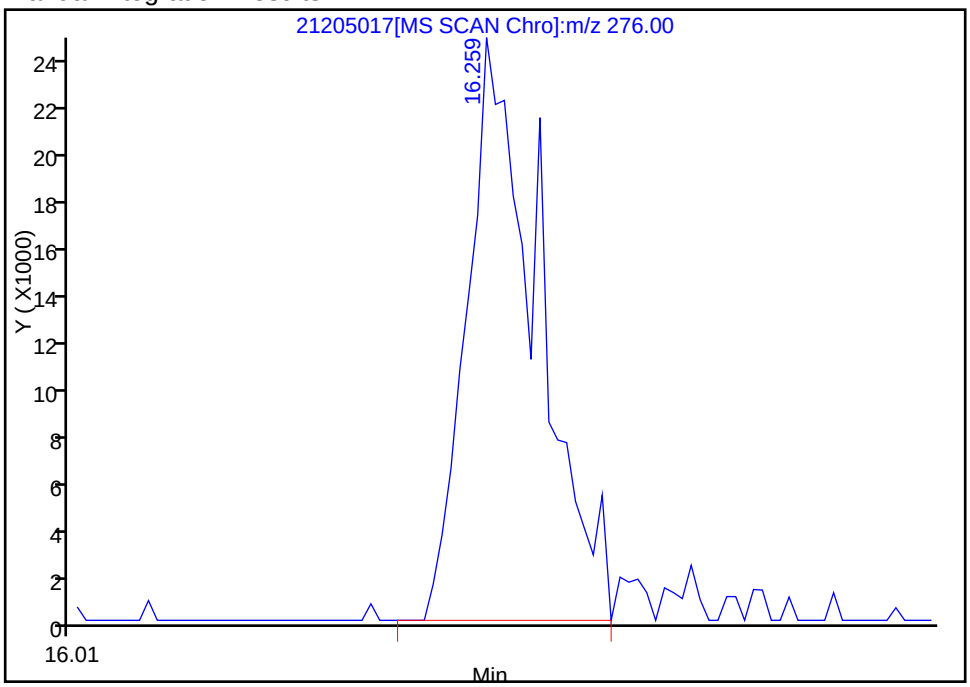
Processing Integration Results

RT: 16.26
Response: 51963
Amount: 0.294314



Manual Integration Results

RT: 16.26
Response: 71259
Amount: 0.403605



Reviewer: ulmanm, 05-Dec-2012 15:11:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

Manual Integration/User Assign Peak Report

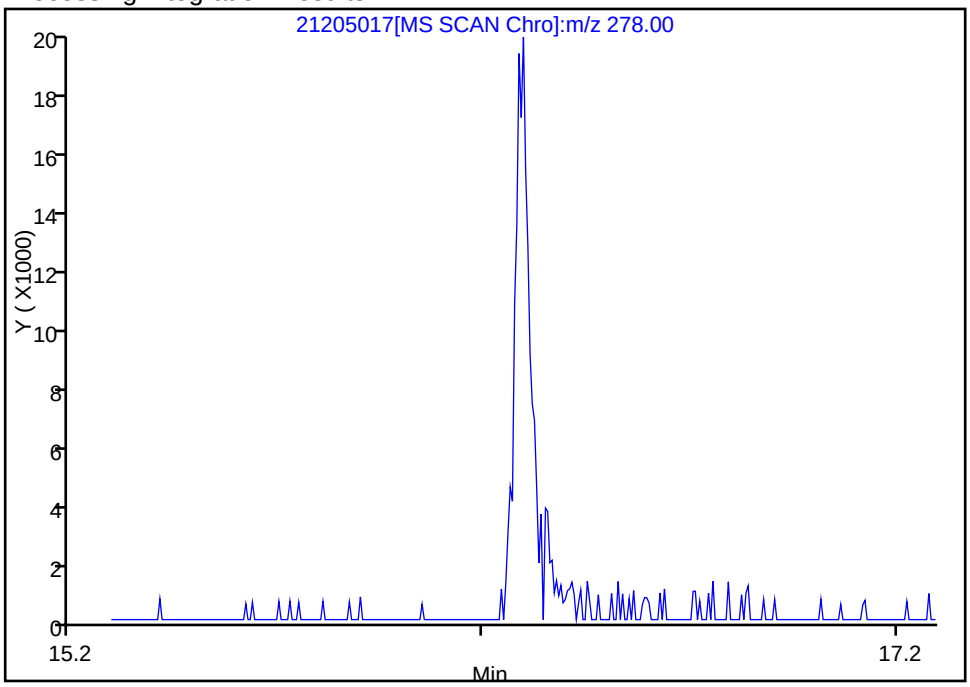
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205017.D		
Injection Date:	05-Dec-2012 14:31:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	17
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

189 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.30

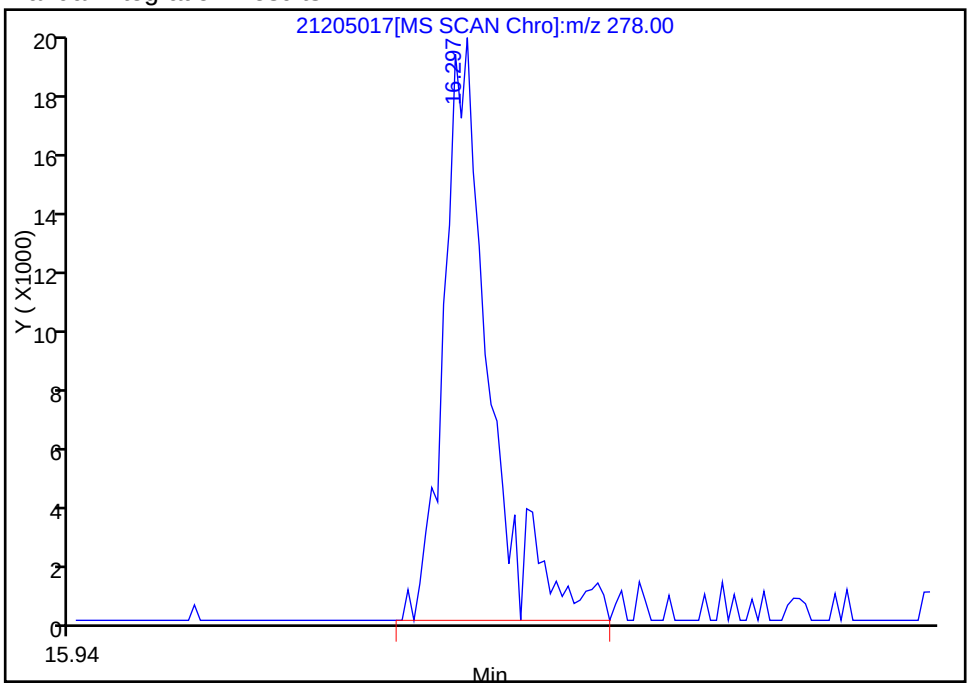
Processing Integration Results

Not Detected
Expected RT: 16.30



Manual Integration Results

RT: 16.30
Response: 56971
Amount: 0.393185



Reviewer: ulmanm, 05-Dec-2012 15:11:52
Audit Action: Manually Integrated
Audit Reason: Poor Chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/05/2012 14:56

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Qua				2.04	2.00		
2,4-Dinitrophenol	Qua				1.78	2.00		
1,1'-Biphenyl	Ave	1.445			0.000800	1.00		
1,2,4-Trichlorobenzene	Ave	0.3506			0.000800	1.00		
1,2-Dichlorobenzene	Ave	1.526			0.000800	1.00		
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.346			0.000800	1.00		
1,3-Dichlorobenzene	Ave	1.570			0.000800	1.00		
1,4-Dichlorobenzene	Ave	1.586			0.000800	1.00		
1,4-Dioxane	Ave	0.7764			0.000800	1.00		
2,4,5-Trichlorophenol	Ave	0.3811			0.000800	1.00		
2,4,6-Trichlorophenol	Ave	0.3463			0.000800	1.00		
2,4-Dichlorophenol	Ave	0.2834			0.000800	1.00		
2,4-Dimethylphenol	Ave	0.4935			0.000800	1.00		
2,4-Dinitrotoluene	Ave	0.3626			0.000800	1.00		
2,6-Dinitrotoluene	Ave	0.2702			0.000800	1.00		
2-Chloronaphthalene	Ave	1.103			0.000100	1.00		
2-Chlorophenol	Ave	1.461			0.000800	1.00		
2-Methylnaphthalene	Ave	0.6886			0.000100	1.00		
2-Methylphenol	Ave	1.718			0.000800	1.00		
2-Nitroaniline	Ave	0.5134			0.000800	1.00		
2-Nitrophenol	Ave	0.1757			0.000800	1.00		
3 & 4 Methylphenol	Ave	1.828			0.000800	1.00		
3,3'-Dichlorobenzidine	Qua				0.000800	1.00		
3-Nitroaniline	Ave	0.2907			0.000800	1.00		
4,6-Dinitro-2-methylphenol	Qua				0.00240	1.00		
4-Bromophenyl phenyl ether	Ave	0.2017			0.000800	1.00		
4-Chloro-3-methylphenol	Ave	0.4157			0.000800	1.00		
4-Chlorophenyl phenyl ether	Ave	0.6916			0.000800	1.00		
4-Nitroaniline	Ave	0.3061			0.000800	1.00		
4-Nitrophenol	Ave	0.2139			0.00240	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/05/2012 14:56

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.116			0.000100	1.00		
Acenaphthylene	Ave	1.759			0.000100	1.00		
Acetophenone	Ave	2.653			0.000800	1.00		
Aniline	Ave	3.218			0.00240	1.00		
Anthracene	Ave	1.197			0.000100	1.00		
Atrazine	Ave	0.1759			0.000800	1.00		
Benzaldehyde	Qua				0.000800	1.00		
Benzidine	Qua				0.00240	1.00		
Benzo[a]anthracene	Ave	1.246			0.000100	1.00		
Benzo[a]pyrene	Ave	1.309			0.000100	1.00		
Benzo[b]fluoranthene	Ave	1.387			0.000100	1.00		
Benzo[g,h,i]perylene	Ave	1.208			0.000100	1.00		
Benzo[k]fluoranthene	Ave	1.426			0.000100	1.00		
Benzyl alcohol	Ave	1.204			0.000800	1.00		
Bis(2-chloroethoxy)methane	Ave	0.6014			0.000800	1.00		
Bis(2-chloroethyl)ether	Ave	1.987			0.000100	1.00		
Bis(2-ethylhexyl) phthalate	Ave	0.8220			0.000800	1.00		
Butyl benzyl phthalate	Ave	0.5524			0.000800	1.00		
Caprolactam	Ave	0.1156			0.000800	1.00		
Carbazole	Ave	1.072			0.000800	1.00		
Chrysene	Ave	1.142			0.000100	1.00		
Dibenz(a,h)anthracene	Ave	1.180			0.000100	1.00		
Dibenzofuran	Ave	1.610			0.000100	1.00		
Diethyl phthalate	Ave	1.286			0.000800	1.00		
Dimethyl phthalate	Ave	1.299			0.000800	1.00		
Di-n-butyl phthalate	Ave	1.317			0.000800	1.00		
Di-n-octyl phthalate	Qua				0.000800	1.00		
Fluoranthene	Ave	1.364			0.000100	1.00		
Fluorene	Ave	1.363			0.000100	1.00		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: mdll3 Calibration Date: 12/05/2012 14:56

Instrument ID: A4HP9 Calib Start Date: 12/03/2012 11:32

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 12/03/2012 15:01

Lab File ID: 21205018.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	0.2035			0.000100	1.00		
Hexachlorobutadiene	Ave	0.1912			0.000800	1.00		
Hexachlorocyclopentadiene	Ave	0.3216			0.000800	1.00		
Hexachloroethane	Ave	0.7420			0.000800	1.00		
Indeno[1,2,3-cd]pyrene	Ave	1.438			0.000100	1.00		
Isophorone	Ave	1.175			0.000800	1.00		
Naphthalene	Ave	1.099			0.000100	1.00		
Nitrobenzene	Ave	0.6444			0.000100	1.00		
N-Nitrosodimethylamine	Ave	1.020			0.000800	1.00		
N-Nitrosodi-n-propylamine	Ave	1.801			0.000800	1.00		
N-Nitrosodiphenylamine	Ave	0.5526			0.000800	1.00		
Pentachlorophenol	Qua				0.00240	2.00		
Phenanthrene	Ave	1.195			0.000100	1.00		
Phenol	Ave	2.575			0.000800	1.00		
Pyrene	Ave	1.384			0.000100	1.00		
Pyridine	Ave	2.082			0.000800	1.00		
2,4,6-Tribromophenol (Surr)	Ave	0.1549			0.000000	1.00	0*	35-125
2-Fluorobiphenyl (Surr)	Ave	1.328			0.000000	1.00	0*	45-105
2-Fluorophenol (Surr)	Ave	1.574			0.000000	1.00	0*	35-105
Nitrobenzene-d5 (Surr)	Ave	0.6121			0.000000	1.00	0*	35-100
Phenol-d5 (Surr)	Ave	2.273			0.000000	1.00	0*	40-100
Terphenyl-d14 (Surr)	Ave	0.8194			0.000000	1.00	0*	30-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205018.D
Lims ID: mdll3 Client ID:
Inject. Date: 05-Dec-2012 14:56:30 Dil. Factor: 1.0000
Sample Type: LODV
Sample ID: 240-0015535-018
Misc. Info.: MDLL3 =MDLL3
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 67368 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 06-Dec-2012 09:56:02 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D
Limit Group: MSS 8270 DOD ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK036

First Level Reviewer: ulmanm Date: 05-Dec-2012 15:38:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.998	5.998	0.0	88	161921	4.00	
* 2 Naphthalene-d8	136	7.104	7.109	-0.005	97	674016	4.00	
* 3 Acenaphthene-d10	164	8.599	8.605	-0.006	63	426913	4.00	
* 4 Phenanthrene-d10	188	9.866	9.865	0.001	83	729946	4.00	
* 5 Chrysene-d12	240	12.456	12.456	0.0	79	723776	4.00	
* 6 Perylene-d12	264	14.572	14.572	0.0	75	579861	4.00	
$ 7 2-Fluorophenol	112		4.764					
$ 8 Phenol-d5	99		5.640					
$ 9 Nitrobenzene-d5	82		6.478					
$ 10 2-Fluorobiphenyl (Surr)	172		8.012					
$ 11 2,4,6-Tribromophenol	330		9.267					
$ 12 Terphenyl-d14	244		11.228					
20 Dimethylformamide	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
19 Octachlorostyrene	1		0.000					
31 2-Picoline	93		2.310					
32 N-Nitrosomethylethylamine	88		2.374					
34 Methyl methanesulfonate	80		2.587					
25 1,4-Dioxane	88		2.632					
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74		3.118					
27 Pyridine	79		3.172					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					9
28 Ethyl methacrylate	69		3.770					
232 1-Methyl-2-pyrrilidinone	99		3.880					1
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					
52 Indene	115		4.084					
29 3-Chloropropionitrile	54		4.128					
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
33 Malononitrile	66		4.507					9
24 Catechol	110		4.592					
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
77 2,6-Dichlorophenol	162		4.729					9
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77		5.608					
43 Phenol	94		5.650					
103 1,4-Naphthoquinone	158		5.680					
44 Aniline	93		5.698					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
69 Bis(2-chloroethyl)ether	93		5.747					
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
46 2-Chlorophenol	128		5.805					
47 1,3-Dichlorobenzene	146		5.950					
48 1,4-Dichlorobenzene	146		6.014					
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108		6.104					
50 1,2-Dichlorobenzene	146		6.147					
117 1-Naphthylamine	143		6.166					
51 2-Methylphenol	108		6.190					
119 2,3,4,6-Tetrachlorophenol	232		6.203					
53 2,2'-oxybis[1-chloropropane]	45		6.222					
120 2-Naphthylamine	143		6.225					
122 Thionazin	97		6.305					
21 3 & 4 Methylphenol	108		6.318					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 N-Nitrosodi-n-propylamine	70		6.334					
58 Acetophenone	105		6.345					
124 N-Nitro-o-toluidine	152		6.358					
127 Tributyl phosphate	99		6.379					
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117		6.452					
62 Nitrobenzene	77		6.494					
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					
137 Phenacetin	108		6.641					
230 Diallate Peak 2	86		6.695					9
64 Isophorone	82		6.697					
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139		6.772					
65 2,4-Dimethylphenol	107		6.783					
67 1,3,5-Trichlorobenzene	180		6.783					
71 Benzoic acid	122	6.805	6.842	-0.038	64	19859	2.04	
70 Bis(2-chloroethoxy)methane	93		6.868					
129 4-Aminobiphenyl	169		6.892					
144 Pronamide	173		6.919					
145 Pentachloronitrobenzene	237		6.919					
73 2,4-Dichlorophenol	162		6.970					
146 Disulfoton	88		7.010					9
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180		7.050					
75 Naphthalene	128		7.125					
76 4-Chloroaniline	127		7.157					
79 Hexachlorobutadiene	225		7.221					
80 1,2,3-Trichlorobenzene	180	7.243	7.248	-0.005	82	50434	0	
152 Methyl parathion	109		7.282					9
84 Caprolactam	113		7.440					
86 4-Chloro-3-methylphenol	107		7.547					
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					9
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142		7.712					
88 1-Methylnaphthalene	142		7.798					
158 Isodrin	66		7.816					9
90 1,2,3,5-Tetrachlorobenzene	216		7.841					
89 Hexachlorocyclopentadiene	237		7.841					
92 2,4,6-Trichlorophenol	196		7.942					
93 2,4,5-Trichlorophenol	196		7.974					
97 2,4-Toluene diamine	121		8.086					
99 1,2,3,4 -Tetrachlorobenzene	216	8.097	8.097	0.0	80	57742	0	
98 1,1'-Biphenyl	154		8.102					
100 2-Chloronaphthalene	162		8.129					
226 Aramite Peak 1	185		8.131					9
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65		8.204					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163		8.337					
107 2,6-Dinitrotoluene	165		8.396					
108 1,2-Dinitrobenzene	168		8.450					
167 Famphur	218		8.473					
109 Acenaphthylene	152		8.487					
169 3,3'-Dimethylbenzidine	212		8.516					
110 3-Nitroaniline	138		8.546					
111 2,4-Dinitrophenol	184	8.632	8.631	0.001	28	4964	1.78	
112 Acenaphthene	153		8.631					
113 4-Nitrophenol	109		8.658					
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165		8.738					
116 Dibenzofuran	168		8.775					
118 2,3,5,6-Tetrachlorophenol	232		8.829					
121 Diethyl phthalate	149		8.930					
123 4-Chlorophenyl phenyl ether	204		9.048					
125 4-Nitroaniline	138		9.064					
126 Fluorene	166		9.064					
128 4,6-Dinitro-2-methylphenol	198		9.085					
131 N-Nitrosodiphenylamine	169		9.144					
132 1,2-Diphenylhydrazine	77		9.187					
133 Azobenzene	77		9.187					
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248		9.470					
141 Hexachlorobenzene	284		9.529					
179 6-Methylchrysene	242		9.576					
142 Atrazine	200		9.577					
143 Pentachlorophenol	266		9.689					
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178		9.887					
149 Anthracene	178		9.929					
150 DFTPP								
151 Carbazole	167		10.052					
154 Di-n-butyl phthalate	149		10.309					
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.902					
160 Benzidine	184		10.998					
161 Pyrene	202		11.115					
166 4,4'-DDE	246		11.168					9
165 4,4'-DDD	235		11.547					
168 Butyl benzyl phthalate	149		11.719					
187 Dibenz[a,h]acridine	279		11.729					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.846					
172 3,3'-Dimethoxybenzidine	244		12.339					9
175 3,3'-Dichlorobenzidine	252		12.387					
174 4,4'-Methylene bis(2-chloroanili	231		12.387					
173 Bis(2-ethylhexyl) phthalate	149		12.403					
177 Benzo[a]anthracene	228		12.446					
178 Chrysene	228		12.494					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149		13.332					
182 Benzo[b]fluoranthene	252		13.979					
183 Benzo[k]fluoranthene	252		14.021					
184 Benzo[a]pyrene	252		14.492					
188 Indeno[1,2,3-cd]pyrene	276		16.271					
189 Dibenz(a,h)anthracene	278		16.297					
190 Benzo[g,h,i]perylene	276		16.741					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 192 Octadecane (TIC)	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 194 Decane TIC	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					1
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					1
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					
T 197 Hexachlorophene TIC	198		9.269					1
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

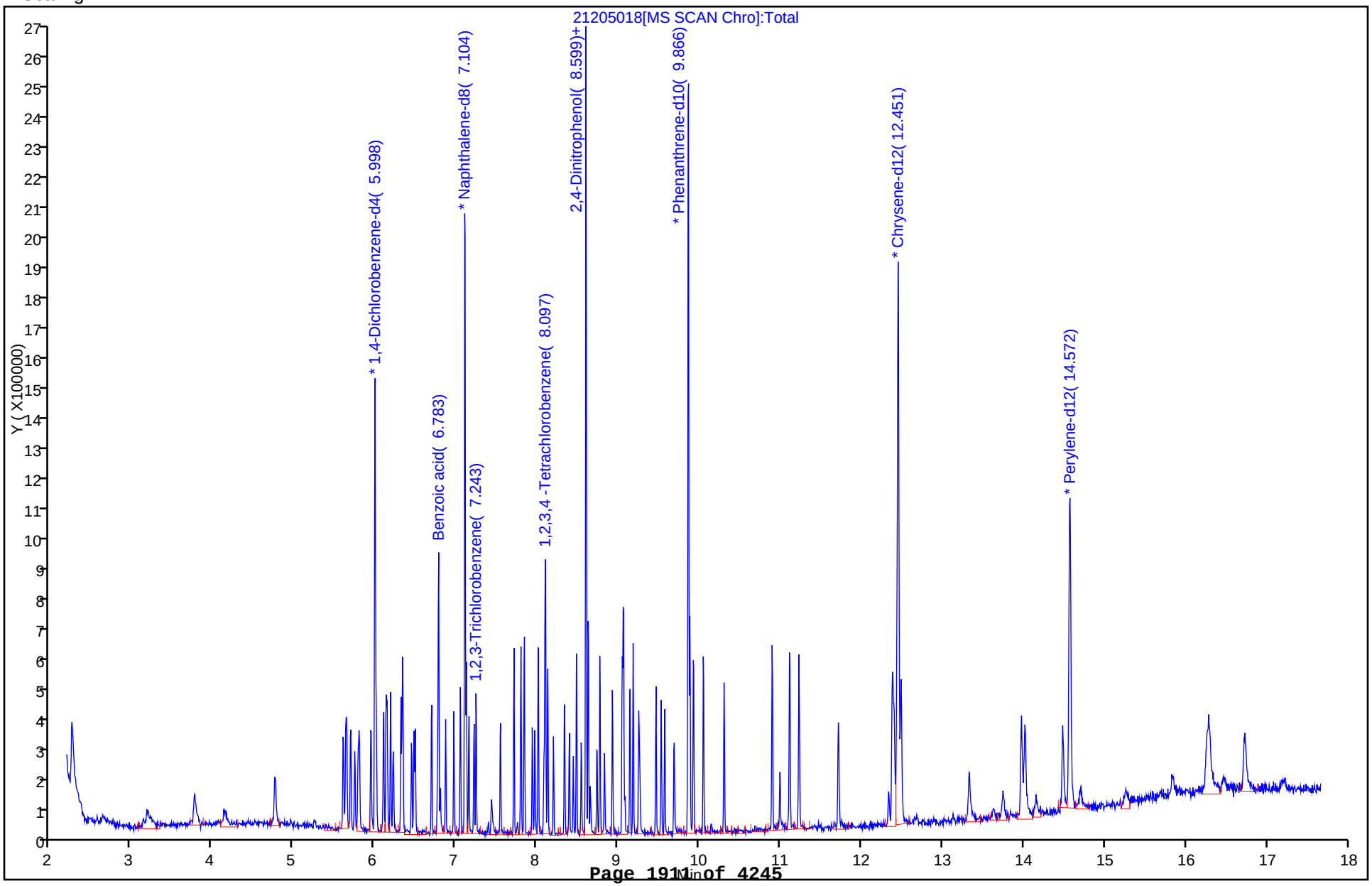
Report Date: 06-Dec-2012 09:56:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205018.D

Injection Date:	05-Dec-2012 14:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	18
Operator ID:	001574	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\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	

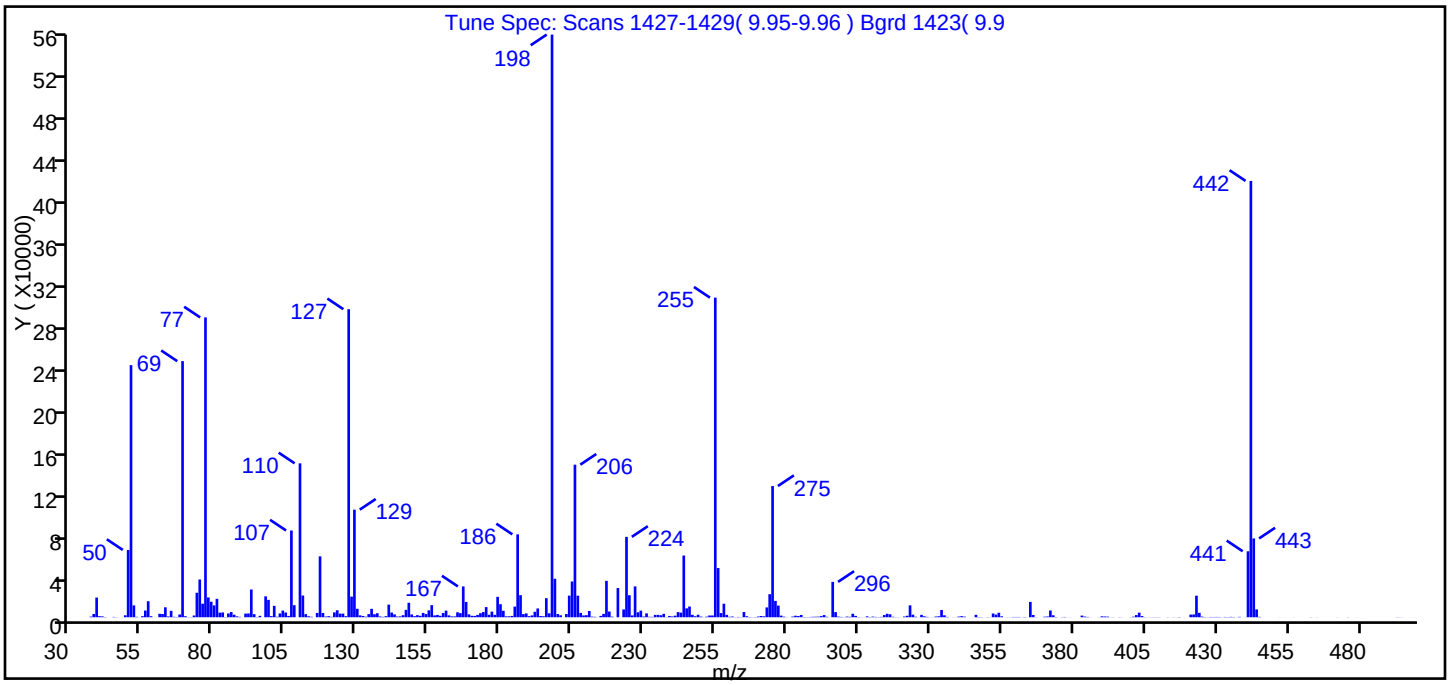
Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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)

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
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

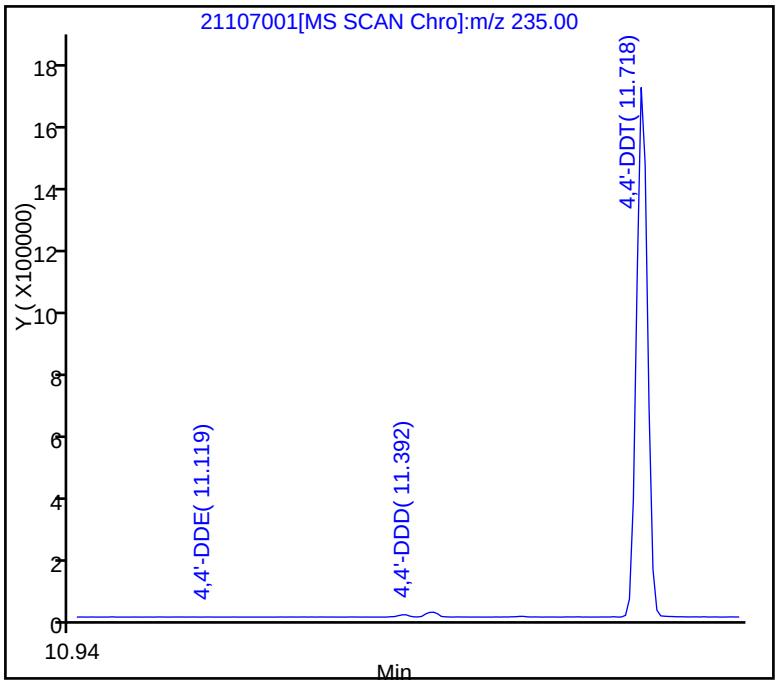
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	20840	209.00	1745	310.00	613	428.00	297
112.00	2996	210.00	2005	311.00	334	429.00	284
113.00	961	211.00	6005	312.00	223	430.00	332
114.00	461	212.00	579	313.00	384	431.00	256
115.00	3	213.00	392	314.00	2112	432.00	87
116.00	4165	214.00	54	315.00	3333	433.00	305
117.00	58376	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

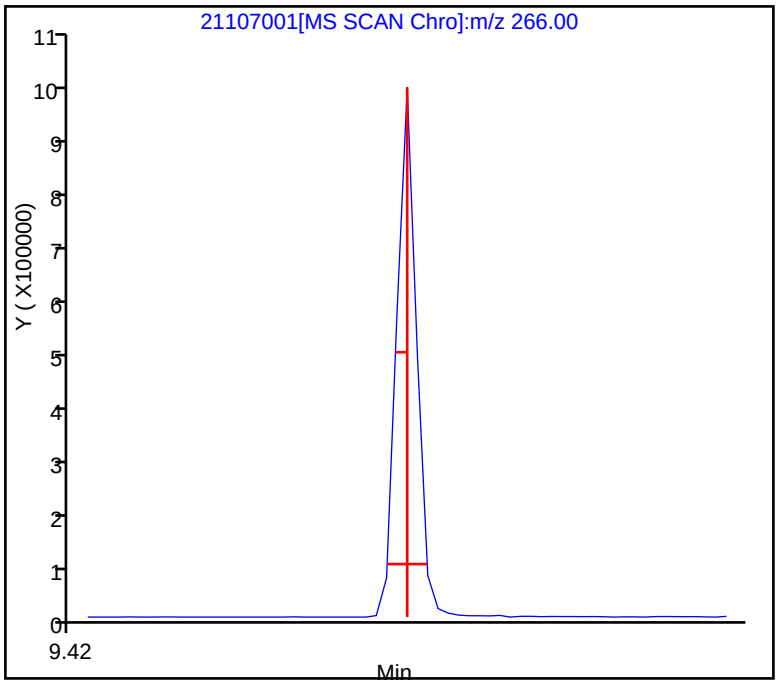
%Breakdown: 1.16%, Max Limit: 20.00%
Passed

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

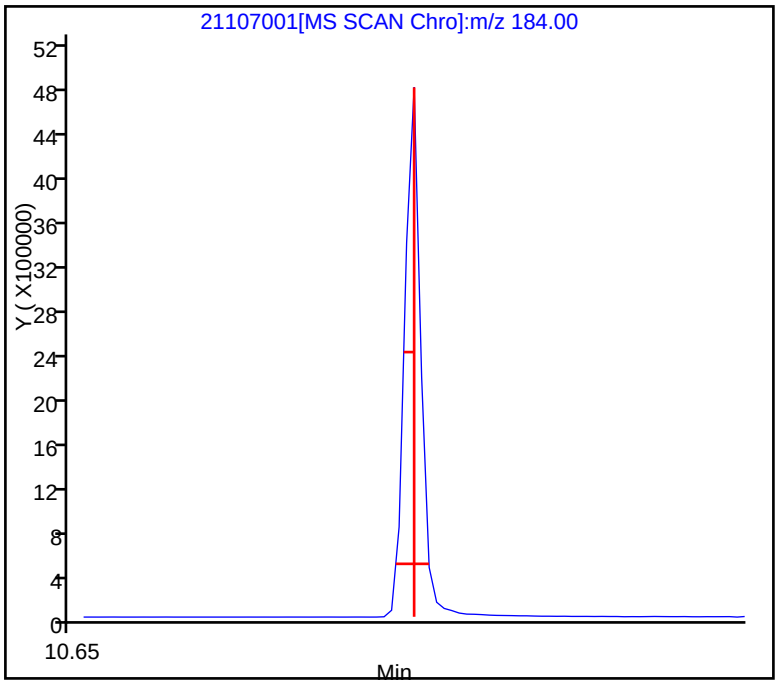
Report Date: 08-Nov-2012 13:38:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

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

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

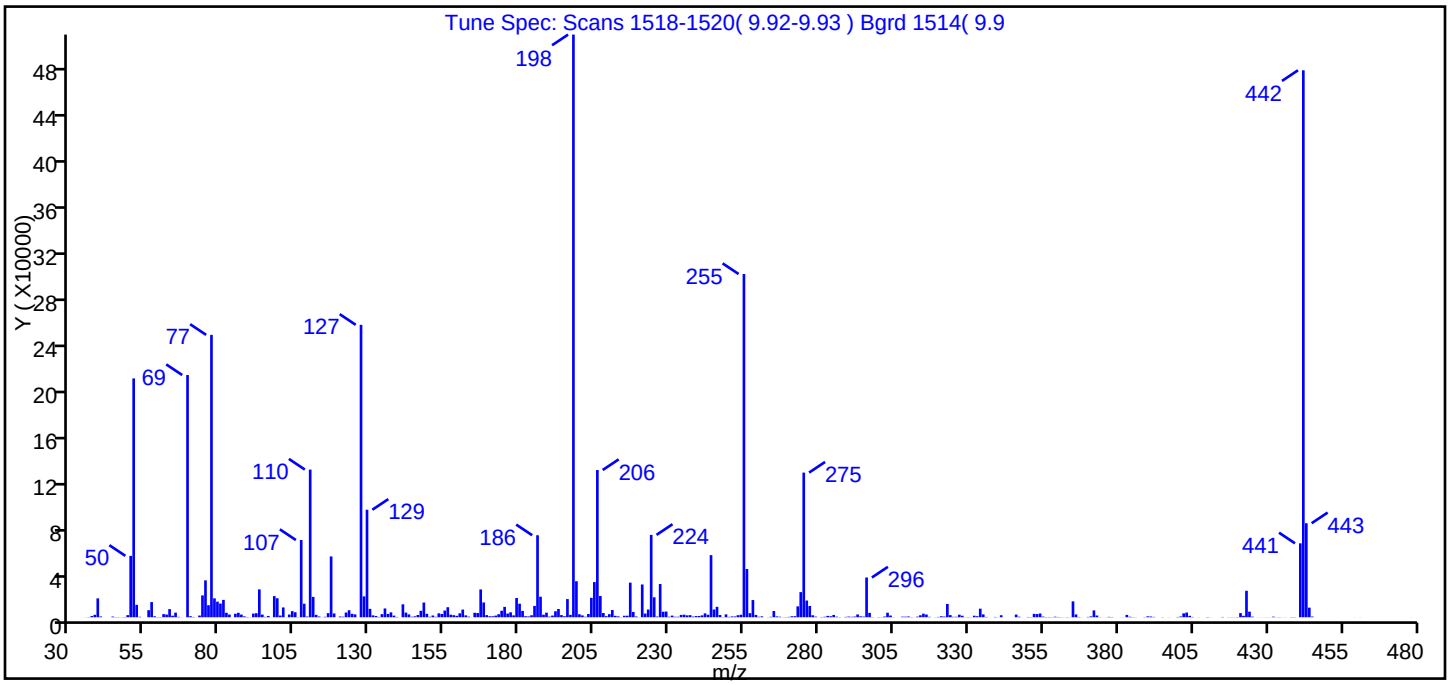
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.564	9.564	0.0	86	591173	0	
148 DFTPP								
158 Benzidine	184	10.859	10.859	0.0	100	3483239	0	
164 4,4'-DDE	246	11.019	11.019	0.0	30	2359	0	
163 4,4'-DDD	235	11.388	11.388	0.0	83	18153	0	
168 4,4'-DDT	235	11.672	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

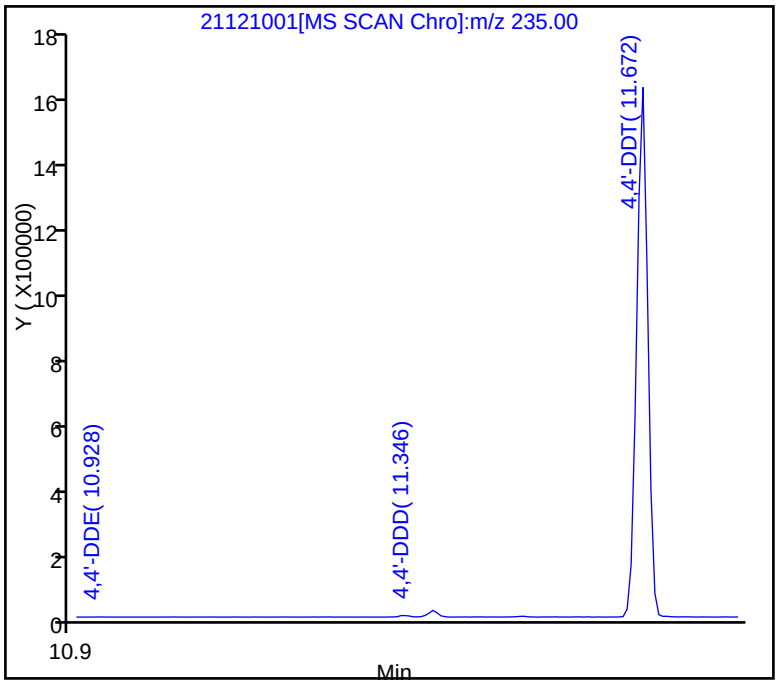
m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	607	204.00	16920	301.00	153	422.00	1243
110.00	128744	205.00	30664	302.00	629	423.00	23096
111.00	17768	206.00	128336	303.00	3948	424.00	4875
112.00	2087	207.00	18560	304.00	1473	425.00	536
113.00	675	208.00	3691	305.00	128	427.00	63
114.00	93	209.00	965	308.00	517	428.00	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

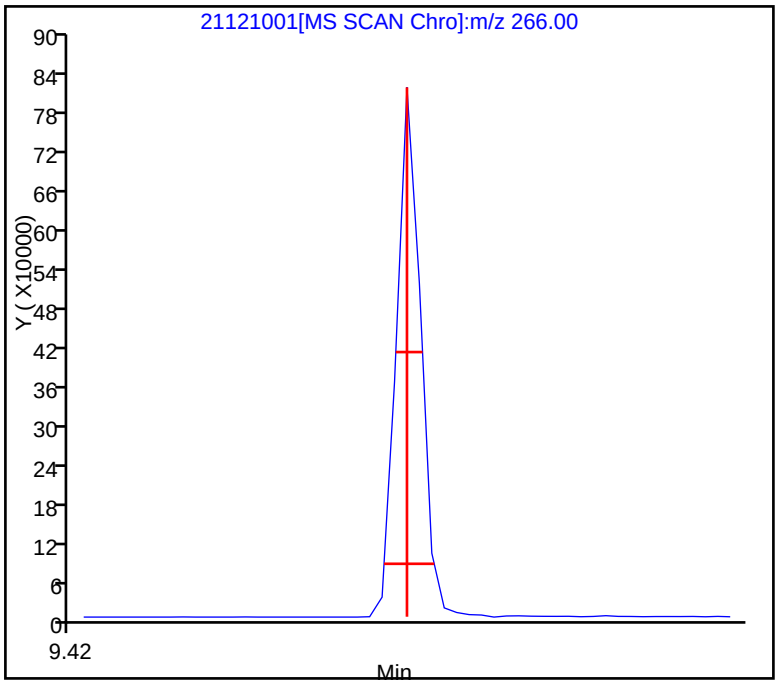
Report Date: 23-Nov-2012 10:11:29 Chrom Revision: 2.0 15-Nov-2012 14:43:54

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

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

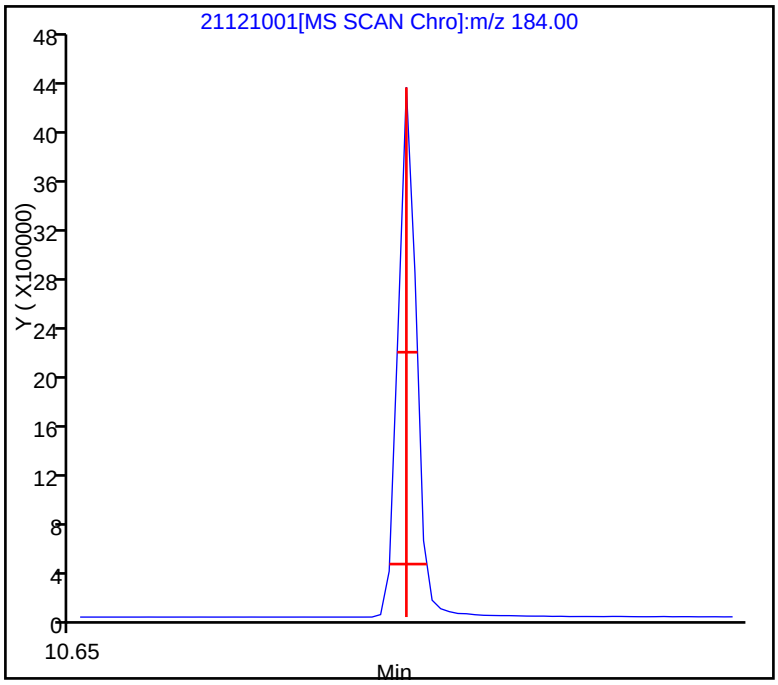
Peak Tailing Report

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\20121129-15374.b\21129001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	29-Nov-2012 09:04:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015374-001		
Misc. Info.:	dftpp		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	66717	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\8270_hp7.m		
Last Update:	30-Nov-2012 13:29:58	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:	XAWRK032		
First Level Reviewer: gruberj		Date:	29-Nov-2012 09:49:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.513	9.513	0.0	90	493227	0	
148 DFTPP								
158 Benzidine	184	10.802	10.802	0.0	100	2572959	0	
164 4,4'-DDE	246	10.962	10.962	0.0	34	1953	0	
163 4,4'-DDD	235	11.321	11.321	0.0	78	14385	0	
168 4,4'-DDT	235	11.599	11.599	0.0	99	1271571	0	

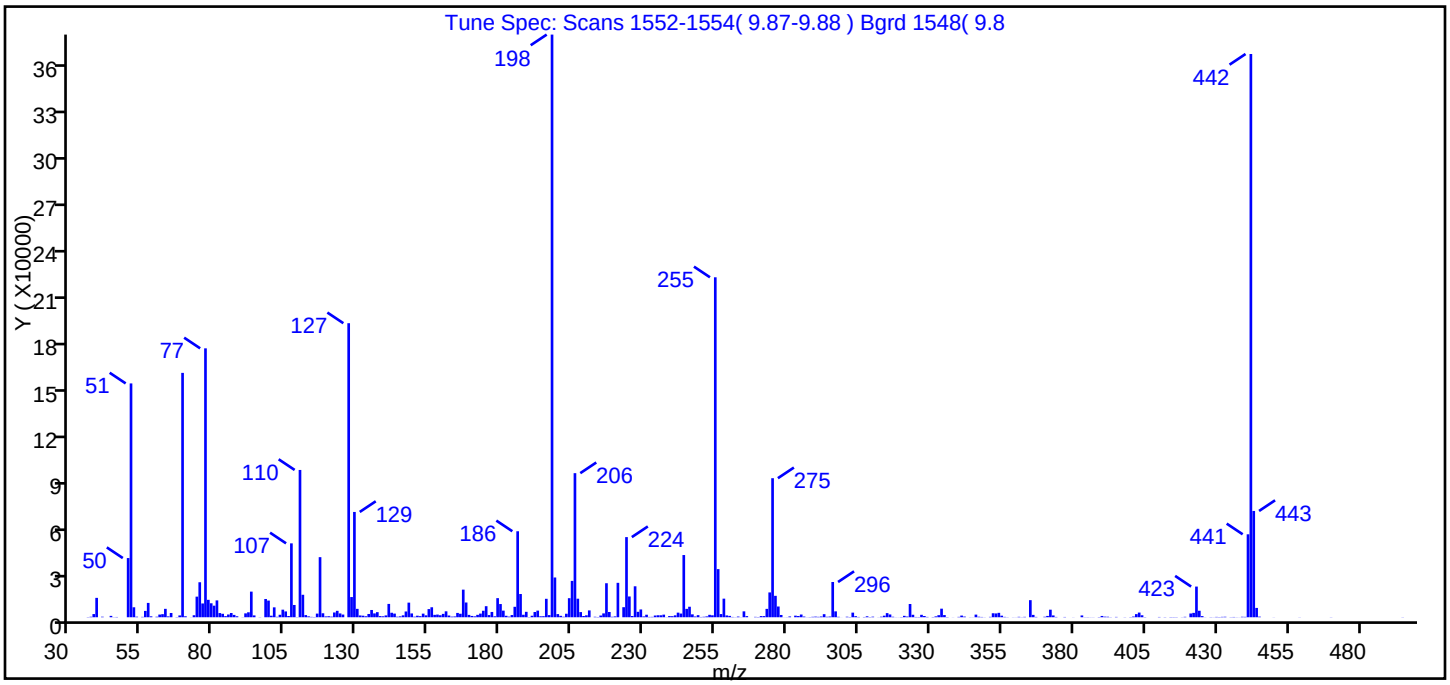
Report Date: 30-Nov-2012 13:29:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129001.D		
Injection Date:	29-Nov-2012 09:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	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	40.13
68	Less than 2.00% of mass 69	0.31 (0.74)
69	Present	41.94
70	Less than 2.00% of mass 69	0.17 (0.40)
127	25.00 - 75.00% of mass 198	50.47
197	Less than 1.00% of mass 198	0.37
199	5.00 - 9.00% of mass 198	6.82
275	10.00 - 30.00% of mass 198	23.86
365	Greater than 0.75% of mass 198	2.94
441	Present, but less than mass 443%	14.24 (78.05)
442	40.00 - 110.00% of mass 198	96.67
443	15.00 - 24.00% of mass 442	18.24 (18.87)

Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129001.D\8270_hp7.rslt\spectra.d
Injection Date: 29-Nov-2012 09:04:30
Spectrum: Tune Spec: Scans 1552-1554(9.87-9.88) Bgrd 1548(9.8
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	137	141.00	8662	234.00	1127	332.00	568
37.00	324	142.00	2917	235.00	1288	333.00	1340
38.00	2063	143.00	2370	236.00	1278	334.00	5575
39.00	12592	144.00	367	237.00	1693	335.00	1417
41.00	350	145.00	584	238.00	83	336.00	155
44.00	898	146.00	1246	239.00	781	338.00	51
45.00	94	147.00	3747	240.00	691	340.00	249
46.00	185	148.00	9494	241.00	1237	341.00	1091
50.00	38448	149.00	2483	242.00	2991	342.00	441
51.00	151872	150.00	382	243.00	2405	344.00	81
52.00	6479	151.00	1008	244.00	40408	345.00	65
53.00	374	152.00	709	245.00	5444	346.00	1719
55.00	255	153.00	2349	246.00	6833	347.00	343
56.00	4121	154.00	1235	247.00	1885	348.00	203
57.00	9315	155.00	5300	248.00	487	349.00	72
58.00	594	156.00	6489	249.00	1355	351.00	261
60.00	342	157.00	1568	250.00	195	352.00	2595
61.00	1747	158.00	1741	251.00	312	353.00	2480
62.00	2004	159.00	1308	252.00	546	354.00	2871
63.00	5471	160.00	2191	253.00	1579	355.00	1020
64.00	561	161.00	3858	254.00	1269	356.00	241
65.00	2769	162.00	1133	255.00	220800	357.00	97
67.00	138	163.00	416	256.00	31264	359.00	68
68.00	1174	164.00	522	257.00	2071	360.00	54
69.00	158720	165.00	2808	258.00	12082	361.00	277
70.00	629	166.00	2276	259.00	1188	362.00	90
72.00	63	167.00	17936	260.00	891	363.00	261
73.00	1306	168.00	9583	261.00	210	365.00	11107
74.00	13388	169.00	1530	262.00	90	366.00	1538
75.00	22736	170.00	853	263.00	447	367.00	223
76.00	8958	171.00	582	264.00	80	370.00	326
77.00	174656	172.00	1570	265.00	3837	371.00	859
78.00	11321	173.00	2378	266.00	737	372.00	4915

Report Date: 30-Nov-2012 13:29:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129001.D\8270_hp7.rslt\spectra.d
Injection Date: 29-Nov-2012 09:04:30
Spectrum: Tune Spec: Scans 1552-1554(9.87-9.88) Bgrd 1548(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	9076	174.00	4219	269.00	257	373.00	1182
80.00	7520	175.00	7190	270.00	170	374.00	212
81.00	10948	176.00	1413	271.00	770	377.00	195
82.00	2727	177.00	3444	272.00	751	380.00	56
83.00	2248	178.00	610	273.00	5444	383.00	1171
84.00	722	179.00	12414	274.00	16125	384.00	94
85.00	1789	180.00	8580	275.00	90312	385.00	110
86.00	2755	181.00	4300	276.00	13917	386.00	72
87.00	1528	182.00	954	277.00	6983	387.00	70
88.00	640	183.00	411	278.00	1480	389.00	160
90.00	83	184.00	1425	279.00	52	390.00	848
91.00	2526	185.00	6792	280.00	79	391.00	392
92.00	3219	186.00	55856	281.00	517	392.00	338
93.00	16648	187.00	15092	283.00	1042	393.00	101
94.00	1196	188.00	1624	284.00	801	395.00	227
96.00	95	189.00	3531	285.00	1776	398.00	92
98.00	11864	190.00	152	286.00	455	400.00	143
99.00	10825	191.00	982	287.00	69	401.00	463
100.00	999	192.00	3400	288.00	133	402.00	2029
101.00	6436	193.00	4310	289.00	290	403.00	3037
102.00	288	194.00	622	290.00	413	404.00	1282
103.00	1613	195.00	680	291.00	275	405.00	143
104.00	4925	196.00	11984	292.00	484	410.00	192
105.00	3786	197.00	1391	293.00	2001	412.00	122
106.00	813	198.00	378432	294.00	312	414.00	151
107.00	48000	199.00	25824	295.00	451	415.00	146
108.00	7972	200.00	2058	296.00	22896	416.00	130
109.00	114	201.00	933	297.00	3828	418.00	79
110.00	95672	202.00	334	298.00	295	419.00	283
111.00	14600	203.00	2286	299.00	30	421.00	2441
112.00	1396	204.00	12381	301.00	345	422.00	2840
113.00	593	205.00	23616	302.00	171	423.00	19928
114.00	249	206.00	93584	303.00	3002	424.00	4220
115.00	177	207.00	12048	304.00	701	425.00	742

Report Date: 30-Nov-2012 13:29:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129001.D\8270_hp7.rslt\spectra.d
Injection Date: 29-Nov-2012 09:04:30
Spectrum: Tune Spec: Scans 1552-1554(9.87-9.88) Bgrd 1548(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 362

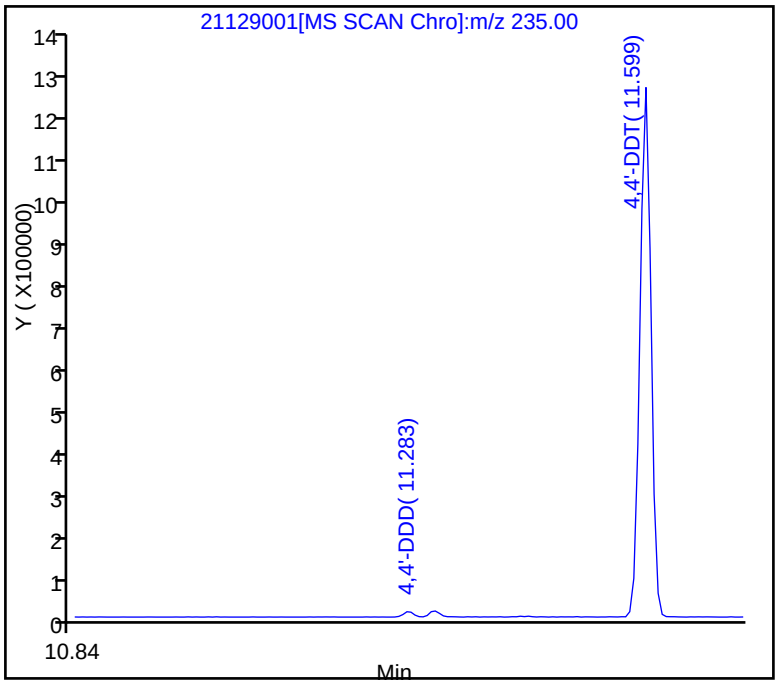
m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	2377	208.00	3358	305.00	213	426.00	64
117.00	39032	209.00	815	307.00	175	428.00	111
118.00	2591	210.00	1258	308.00	627	429.00	62
119.00	535	211.00	4445	309.00	157	430.00	230
120.00	662	213.00	312	310.00	387	431.00	156
121.00	400	214.00	174	312.00	62	432.00	258
122.00	3102	215.00	1117	313.00	381	433.00	322
123.00	4175	216.00	2510	314.00	1022	435.00	112
124.00	2489	217.00	22096	315.00	2686	436.00	191
125.00	1750	218.00	3410	316.00	1810	437.00	81
127.00	190976	219.00	311	317.00	332	438.00	53
128.00	13116	220.00	546	318.00	61	439.00	315
129.00	68392	221.00	22360	319.00	53	440.00	262
130.00	5455	223.00	6533	320.00	158	441.00	53880
131.00	1170	224.00	52056	321.00	924	442.00	365824
132.00	1019	225.00	13501	322.00	456	443.00	69032
133.00	641	226.00	815	323.00	8607	444.00	6063
134.00	2133	227.00	20112	324.00	1617	445.00	406
135.00	4723	228.00	3531	325.00	196	450.00	57
136.00	2503	229.00	5069	326.00	174	459.00	73
137.00	3306	230.00	533	327.00	1585	470.00	87
138.00	759	231.00	1644	328.00	805	495.00	91
139.00	629	232.00	236	329.00	222		
140.00	1183	233.00	262	331.00	170		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129001.D		
Injection Date:	29-Nov-2012 09:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	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 = 1271571
163 4,4'-DDD, Area = 14385
164 4,4'-DDE, Area = 1953

%Breakdown: 1.27%, Max Limit: 20.00%
Passed

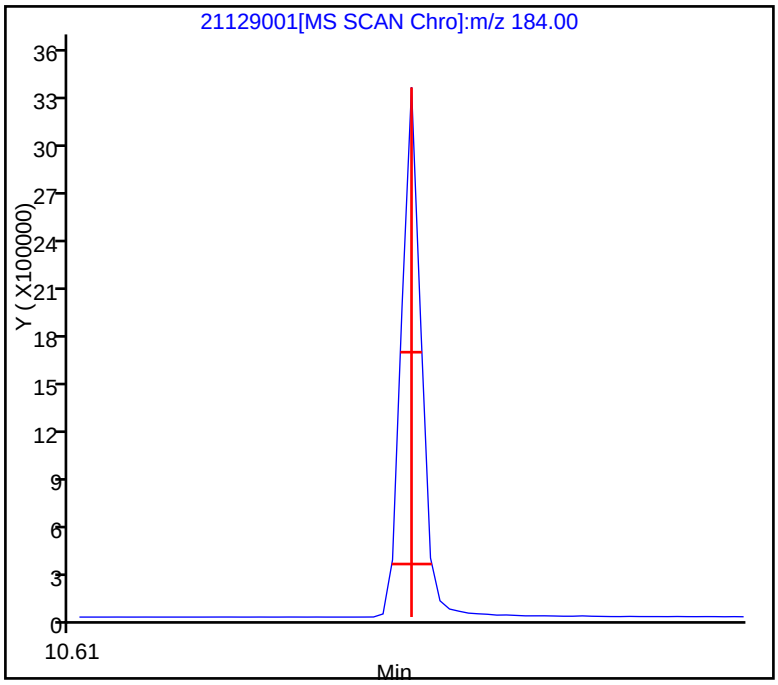
Report Date: 30-Nov-2012 13:29:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129001.D		
Injection Date:	29-Nov-2012 09:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	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 = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

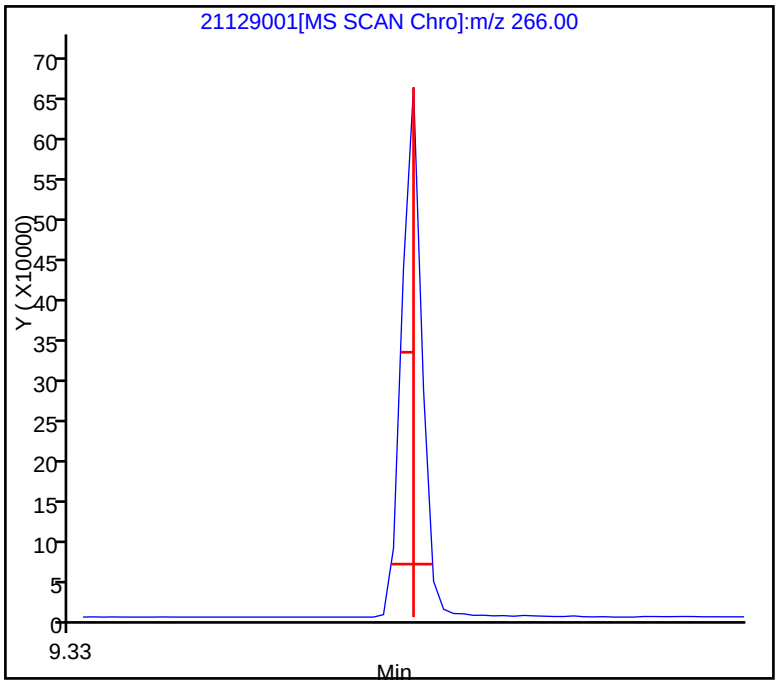
Report Date: 30-Nov-2012 13:29:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129001.D		
Injection Date:	29-Nov-2012 09:04:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	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 = 0.012 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	04-Dec-2012 08:58:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015502-001		
Misc. Info.:	dftpp		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	67225	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	04-Dec-2012 12:56:02	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:	XAWRK009		

First Level Reviewer: gruberj Date: 04-Dec-2012 09:33:51

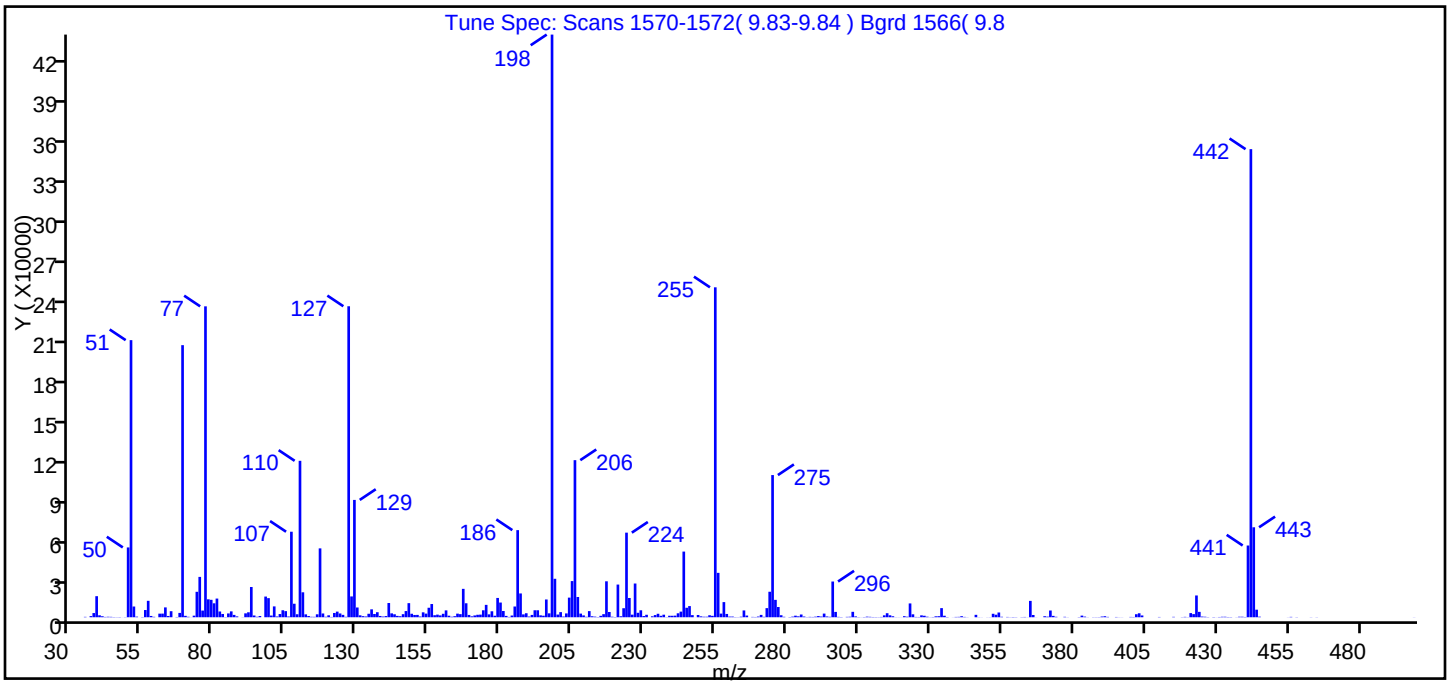
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.476	9.476	0.0	89	551672	0	
148 DFTPP								
158 Benzidine	184	10.765	10.765	0.0	100	2491681	0	
164 4,4'-DDE	246	10.925	10.925	0.0	37	2554	0	
163 4,4'-DDD	235	11.246	11.246	0.0	77	11789	0	
168 4,4'-DDT	235	11.551	11.551	0.0	98	1442329	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204001.D		
Injection Date:	04-Dec-2012 08:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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	47.56
68	Less than 2.00% of mass 69	0.75 (1.60)
69	Present	46.70
70	Less than 2.00% of mass 69	0.24 (0.52)
127	25.00 - 75.00% of mass 198	53.38
197	Less than 1.00% of mass 198	0.67
199	5.00 - 9.00% of mass 198	6.60
275	10.00 - 30.00% of mass 198	24.40
365	Greater than 0.75% of mass 198	2.81
441	Present, but less than mass 443%	12.31 (79.74)
442	40.00 - 110.00% of mass 198	80.34
443	15.00 - 24.00% of mass 442	15.44 (19.22)

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204001.D\8270_hp7.rslt\spectra.d
Injection Date: 04-Dec-2012 08:58:30
Spectrum: Tune Spec: Scans 1570-1572(9.83-9.84) Bgrd 1566(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 376

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	297	135.00	5863	229.00	5158	327.00	1415
37.00	864	136.00	2421	230.00	894	328.00	1114
38.00	3103	137.00	3722	231.00	1828	329.00	411
39.00	15603	138.00	954	233.00	705	330.00	96
40.00	1458	139.00	533	234.00	1613	331.00	198
41.00	748	140.00	875	235.00	2581	332.00	687
42.00	244	141.00	10542	236.00	1078	333.00	785
43.00	366	142.00	2880	237.00	1891	334.00	6761
44.00	301	143.00	2196	238.00	133	335.00	1113
45.00	163	144.00	1018	239.00	1110	336.00	197
46.00	119	145.00	749	240.00	1093	338.00	53
47.00	166	146.00	2273	241.00	1190	339.00	249
48.00	26	147.00	4585	242.00	2936	340.00	294
49.00	117	148.00	10442	243.00	4170	341.00	781
50.00	51688	149.00	2589	244.00	48616	342.00	261
51.00	205120	150.00	1695	245.00	7029	343.00	81
52.00	7948	151.00	1745	246.00	8265	346.00	1792
53.00	466	152.00	534	247.00	1567	347.00	95
55.00	177	153.00	3650	248.00	24	348.00	56
56.00	5346	154.00	2691	249.00	1679	350.00	64
57.00	12171	155.00	7032	250.00	657	351.00	90
58.00	959	156.00	9796	251.00	386	352.00	2574
59.00	317	157.00	1509	252.00	385	353.00	1879
61.00	2663	158.00	1938	253.00	1480	354.00	3515
62.00	2703	159.00	1380	254.00	1055	355.00	354
63.00	7293	160.00	2565	255.00	244224	357.00	233
64.00	950	161.00	5085	256.00	32864	358.00	104
65.00	4484	162.00	1136	257.00	2705	359.00	187
67.00	202	163.00	385	258.00	11210	360.00	134
68.00	3215	164.00	791	259.00	2451	362.00	142
69.00	201408	165.00	2677	260.00	505	363.00	227
70.00	1056	166.00	2302	261.00	510	364.00	62
71.00	347	167.00	21024	262.00	152	365.00	12115

Report Date: 04-Dec-2012 12:56:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204001.D\8270_hp7.rslt\spectra.d
Injection Date: 04-Dec-2012 08:58:30
Spectrum: Tune Spec: Scans 1570-1572(9.83-9.84) Bgrd 1566(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 376

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	57	168.00	10352	263.00	117	366.00	1677
73.00	1171	169.00	1713	264.00	407	367.00	51
74.00	18840	170.00	684	265.00	5050	370.00	750
75.00	29872	171.00	1340	266.00	1261	371.00	454
76.00	4954	172.00	1834	268.00	265	372.00	4988
77.00	230144	173.00	1949	269.00	209	373.00	1019
78.00	13278	174.00	5161	270.00	515	374.00	347
79.00	12912	175.00	9168	271.00	1749	377.00	321
80.00	10326	176.00	2138	272.00	319	378.00	82
81.00	13830	177.00	4423	273.00	6748	382.00	168
82.00	4268	178.00	1122	274.00	18880	383.00	1210
83.00	2428	179.00	14293	275.00	105248	384.00	474
84.00	157	180.00	10887	276.00	12878	385.00	81
85.00	2818	181.00	4618	277.00	7574	387.00	114
86.00	4359	182.00	1003	278.00	1489	388.00	121
87.00	1745	183.00	241	279.00	337	389.00	149
88.00	640	184.00	1273	281.00	188	390.00	523
90.00	89	185.00	7960	282.00	471	391.00	766
91.00	2892	186.00	64488	283.00	1162	392.00	278
92.00	3666	187.00	17624	284.00	680	395.00	216
93.00	22392	188.00	2130	285.00	2035	396.00	75
94.00	1298	189.00	2978	286.00	529	397.00	66
95.00	354	190.00	541	287.00	135	400.00	245
96.00	925	191.00	1724	288.00	291	401.00	211
98.00	15320	192.00	5180	289.00	229	402.00	2242
99.00	14149	193.00	5168	290.00	442	403.00	2950
100.00	1259	194.00	1421	291.00	870	404.00	1323
101.00	8037	195.00	1142	292.00	511	410.00	219
102.00	573	196.00	13162	293.00	2709	415.00	307
103.00	2383	197.00	2899	294.00	578	418.00	126
104.00	5184	198.00	431296	295.00	334	419.00	290
105.00	4533	199.00	28480	296.00	26448	420.00	106
106.00	556	200.00	1987	297.00	3956	421.00	3067
107.00	63312	201.00	3798	298.00	284	422.00	2326

Report Date: 04-Dec-2012 12:56:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204001.D\8270_hp7.rslt\spectra.d
Injection Date: 04-Dec-2012 08:58:30
Spectrum: Tune Spec: Scans 1570-1572(9.83-9.84) Bgrd 1566(9.8
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 376

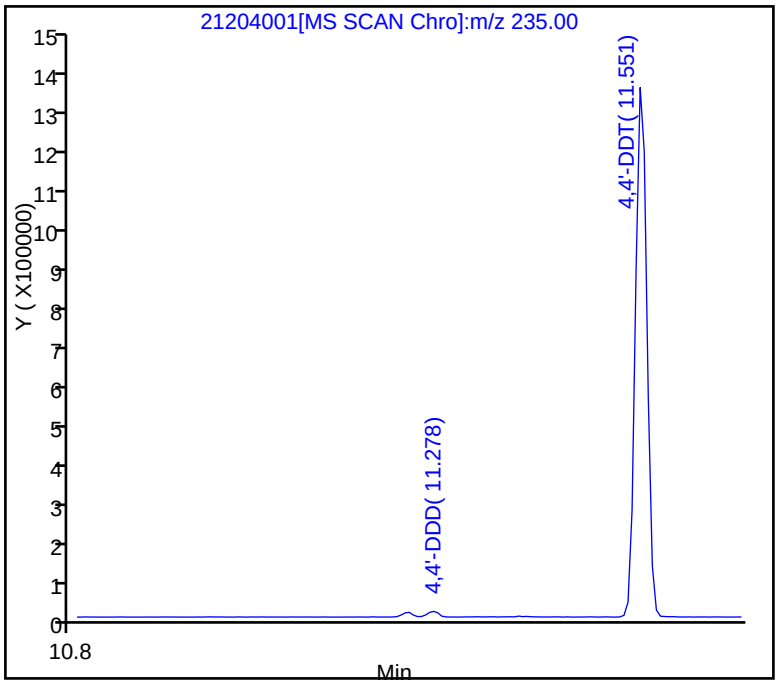
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	10007	202.00	516	299.00	174	423.00	16129
109.00	2218	203.00	2843	301.00	292	424.00	3993
110.00	115800	204.00	14531	302.00	380	425.00	507
111.00	18472	205.00	26776	303.00	4023	426.00	374
112.00	2147	206.00	116280	304.00	627	427.00	150
113.00	919	207.00	14998	305.00	154	429.00	174
114.00	351	208.00	2700	306.00	61	430.00	50
115.00	316	209.00	1374	307.00	179	431.00	205
116.00	2173	210.00	348	308.00	442	432.00	347
117.00	50984	211.00	4552	309.00	320	433.00	365
118.00	2795	212.00	731	310.00	198	434.00	194
119.00	368	213.00	460	311.00	168	435.00	164
120.00	1441	214.00	184	312.00	134	437.00	80
121.00	224	215.00	1063	313.00	246	438.00	388
122.00	3166	216.00	2289	314.00	1422	439.00	384
123.00	4171	217.00	26616	315.00	2988	440.00	207
124.00	2809	218.00	3887	316.00	1446	441.00	53104
125.00	1767	219.00	396	317.00	745	442.00	346496
126.00	326	220.00	187	318.00	87	443.00	66600
127.00	230208	221.00	24200	319.00	71	444.00	5606
128.00	15412	222.00	722	320.00	55	445.00	437
129.00	86856	223.00	6683	321.00	787	455.00	62
130.00	7224	224.00	62624	322.00	406	456.00	284
131.00	1438	225.00	14261	323.00	10233	458.00	122
132.00	819	226.00	1916	324.00	2180	463.00	91
133.00	563	227.00	24976	325.00	240	465.00	93
134.00	2586	228.00	3307	326.00	206	499.00	68

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204001.D		
Injection Date:	04-Dec-2012 08:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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 = 1442329
163 4,4'-DDD, Area = 11789
164 4,4'-DDE, Area = 2554

%Breakdown: 0.98%, Max Limit: 20.00%
Passed

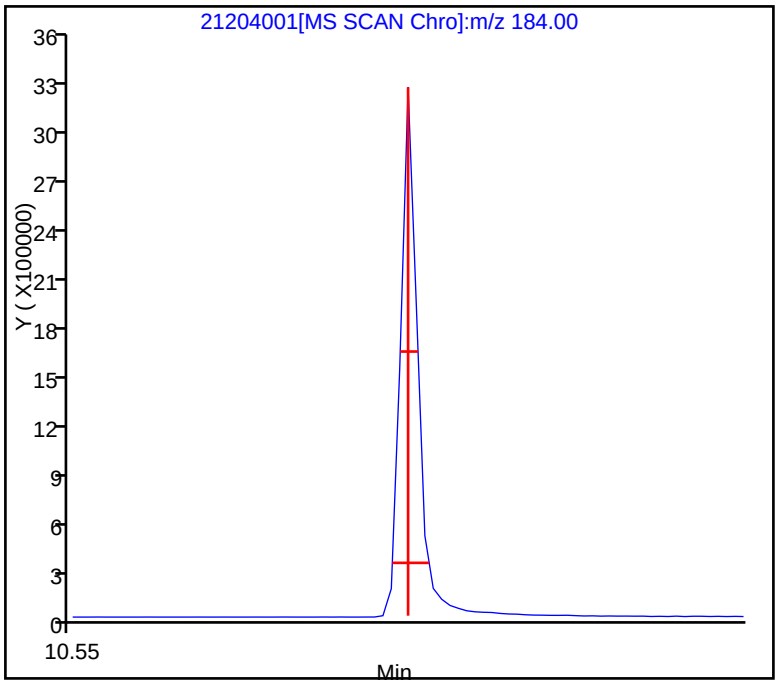
Report Date: 04-Dec-2012 12:56:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204001.D		
Injection Date:	04-Dec-2012 08:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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 = 0.010 (min.)

Tailing Factor = 1.3, Max. Tailing < 3.00
Passed

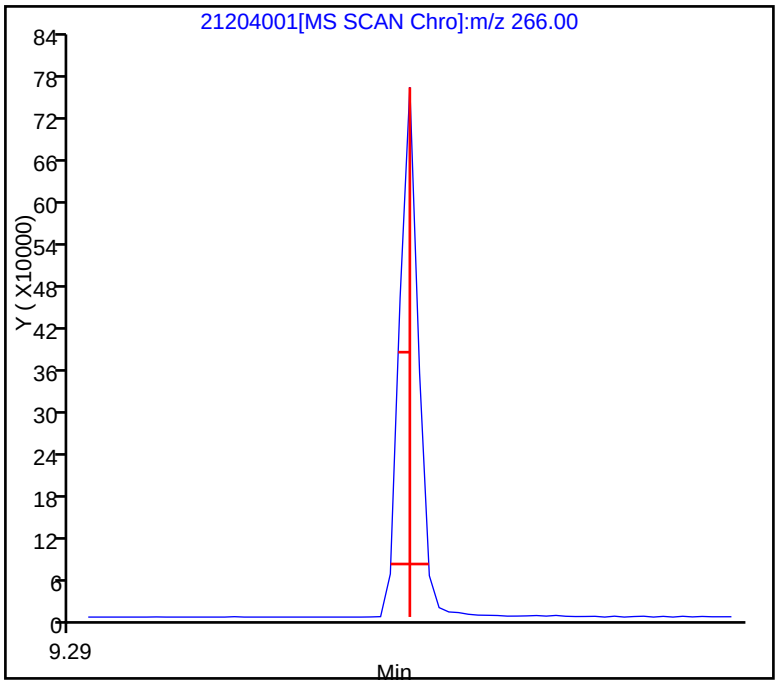
Report Date: 04-Dec-2012 12:56:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204001.D		
Injection Date:	04-Dec-2012 08:58:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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 = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	05-Dec-2012 09:10:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015541-001		
Misc. Info.:	dftpp		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	67390	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 08:50:11	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:	XAWRK028		
First Level Reviewer: gruberj		Date:	05-Dec-2012 09:59:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.431	9.431	0.0	87	498436	0	
148 DFTPP								
158 Benzidine	184	10.720	10.720	0.0	99	2733343	0	
164 4,4'-DDE	246	10.881	10.881	0.0	49	2299	0	
163 4,4'-DDD	235	11.228	11.228	0.0	65	13666	0	
168 4,4'-DDT	235	11.496	11.496	0.0	98	1299632	0	

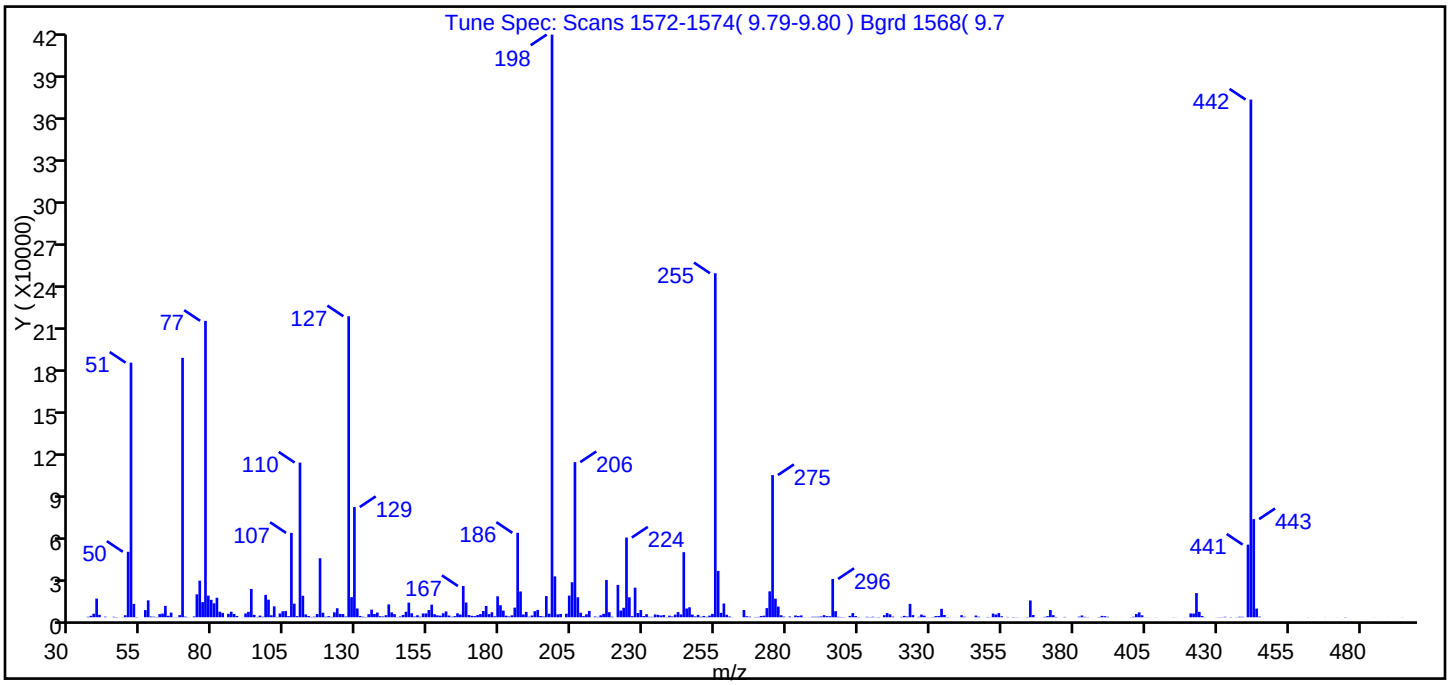
Report Date: 06-Dec-2012 08:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205001.D		
Injection Date:	05-Dec-2012 09:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	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	43.69
68	Less than 2.00% of mass 69	0.36 (0.82)
69	Present	44.53
70	Less than 2.00% of mass 69	0.11 (0.24)
127	25.00 - 75.00% of mass 198	51.66
197	Less than 1.00% of mass 198	0.61
199	5.00 - 9.00% of mass 198	7.01
275	10.00 - 30.00% of mass 198	24.40
365	Greater than 0.75% of mass 198	2.88
441	Present, but less than mass 443%	12.46 (74.01)
442	40.00 - 110.00% of mass 198	88.85
443	15.00 - 24.00% of mass 442	16.84 (18.95)

Report Date: 06-Dec-2012 08:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205001.D\8270_hp7.rslt\spectra.d
Injection Date: 05-Dec-2012 09:10:30
Spectrum: Tune Spec: Scans 1572-1574(9.79-9.80) Bgrd 1568(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 356

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	342	134.00	2172	226.00	764	325.00	20
37.00	1022	135.00	5441	227.00	21032	326.00	326
38.00	2524	136.00	2308	228.00	3023	327.00	1923
39.00	13287	137.00	3343	229.00	5132	328.00	1121
40.00	1755	138.00	754	230.00	863	329.00	118
42.00	416	139.00	568	231.00	2157	330.00	78
45.00	327	140.00	1456	232.00	374	331.00	199
46.00	161	141.00	9139	233.00	302	332.00	862
48.00	146	142.00	3454	234.00	1961	333.00	904
49.00	1427	143.00	2209	235.00	1722	334.00	6019
50.00	46552	144.00	222	236.00	1270	335.00	1596
51.00	181056	145.00	551	237.00	1568	336.00	180
52.00	9520	146.00	1649	238.00	173	337.00	53
53.00	193	147.00	3914	239.00	1134	339.00	64
56.00	5086	148.00	10398	240.00	542	341.00	1451
57.00	12040	149.00	2820	241.00	1874	342.00	400
58.00	529	150.00	526	242.00	3673	343.00	68
59.00	415	151.00	1427	243.00	2035	346.00	1239
60.00	221	152.00	394	244.00	46288	347.00	427
61.00	2247	153.00	2684	245.00	6219	350.00	222
62.00	2629	154.00	2720	246.00	7083	351.00	85
63.00	8090	155.00	5164	247.00	1924	352.00	2617
64.00	1049	156.00	8948	248.00	600	353.00	1950
65.00	3283	157.00	2130	249.00	1687	354.00	2969
66.00	94	158.00	1386	250.00	362	355.00	720
67.00	141	159.00	1116	251.00	935	357.00	232
68.00	1509	160.00	2859	252.00	317	359.00	188
69.00	184512	161.00	4167	253.00	1171	360.00	100
70.00	440	162.00	1233	254.00	2375	361.00	54
71.00	102	163.00	398	255.00	244672	363.00	56
73.00	568	164.00	779	256.00	32936	364.00	227
74.00	16313	165.00	2825	257.00	3127	365.00	11925
75.00	26032	166.00	1910	258.00	9771	366.00	1581

Report Date: 06-Dec-2012 08:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205001.D\8270_hp7.rslt\spectra.d
Injection Date: 05-Dec-2012 09:10:30
Spectrum: Tune Spec: Scans 1572-1574(9.79-9.80) Bgrd 1568(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 356

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	10768	167.00	22200	259.00	1779	367.00	69
77.00	210816	168.00	10485	260.00	539	369.00	57
78.00	15351	169.00	1554	261.00	112	370.00	291
79.00	12403	170.00	1011	265.00	5190	371.00	790
80.00	9921	171.00	821	266.00	717	372.00	5157
81.00	13865	172.00	1587	267.00	432	373.00	1486
82.00	3931	173.00	2222	269.00	191	374.00	248
83.00	3090	174.00	4451	270.00	235	377.00	256
85.00	2433	175.00	8064	271.00	949	382.00	437
86.00	3956	176.00	2249	272.00	1128	383.00	1265
87.00	2339	177.00	3565	273.00	6509	384.00	327
88.00	838	178.00	686	274.00	18424	385.00	162
90.00	84	179.00	14893	275.00	101120	389.00	182
91.00	2702	180.00	8544	276.00	13256	390.00	975
92.00	3854	181.00	4730	277.00	7590	391.00	776
93.00	20144	182.00	1101	278.00	1416	392.00	339
94.00	1727	183.00	592	279.00	438	395.00	58
95.00	233	184.00	1393	281.00	525	397.00	52
96.00	1189	185.00	6844	282.00	109	400.00	120
97.00	367	186.00	60040	283.00	1294	401.00	374
98.00	15921	187.00	18352	284.00	947	402.00	2279
99.00	12505	188.00	1968	285.00	1306	403.00	3458
100.00	1406	189.00	3800	286.00	100	404.00	1383
101.00	7738	190.00	403	287.00	53	405.00	70
102.00	225	191.00	1258	288.00	68	406.00	58
103.00	2697	192.00	4324	289.00	365	409.00	89
104.00	4289	193.00	5211	290.00	344	415.00	105
105.00	4412	194.00	875	291.00	410	416.00	54
106.00	793	195.00	536	292.00	569	419.00	92
107.00	60000	196.00	15064	293.00	1481	421.00	2703
108.00	9656	197.00	2520	294.00	815	422.00	2608
109.00	817	198.00	414400	295.00	740	423.00	17224
110.00	110016	199.00	29064	296.00	27232	424.00	3814
111.00	15289	200.00	2054	297.00	4329	425.00	869

Report Date: 06-Dec-2012 08:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205001.D\8270_hp7.rslt\spectra.d
Injection Date: 05-Dec-2012 09:10:30
Spectrum: Tune Spec: Scans 1572-1574(9.79-9.80) Bgrd 1568(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 356

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	2015	201.00	2363	298.00	345	426.00	108
113.00	852	203.00	2526	299.00	205	430.00	72
114.00	273	204.00	15417	300.00	163	431.00	137
115.00	413	205.00	24920	302.00	958	432.00	148
116.00	2279	206.00	110328	303.00	2964	433.00	347
117.00	41936	207.00	14220	304.00	849	435.00	185
118.00	3240	208.00	3195	305.00	215	437.00	110
119.00	374	209.00	820	308.00	358	438.00	361
120.00	765	210.00	2117	309.00	170	439.00	330
121.00	313	211.00	4504	310.00	360	441.00	51648
122.00	3511	213.00	532	311.00	85	442.00	368192
123.00	6407	214.00	264	312.00	194	443.00	69784
124.00	2390	215.00	1374	313.00	20	444.00	6146
125.00	2282	216.00	2480	314.00	1492	445.00	459
126.00	522	217.00	26472	315.00	2997	462.00	96
127.00	214080	218.00	3570	316.00	2112	464.00	54
128.00	14302	219.00	387	317.00	479	468.00	56
129.00	78384	221.00	23016	320.00	291	472.00	68
130.00	6228	222.00	4763	321.00	975	475.00	168
131.00	949	223.00	6727	322.00	537	485.00	57
132.00	382	224.00	56696	323.00	9512	490.00	53
133.00	187	225.00	14202	324.00	1521	495.00	85

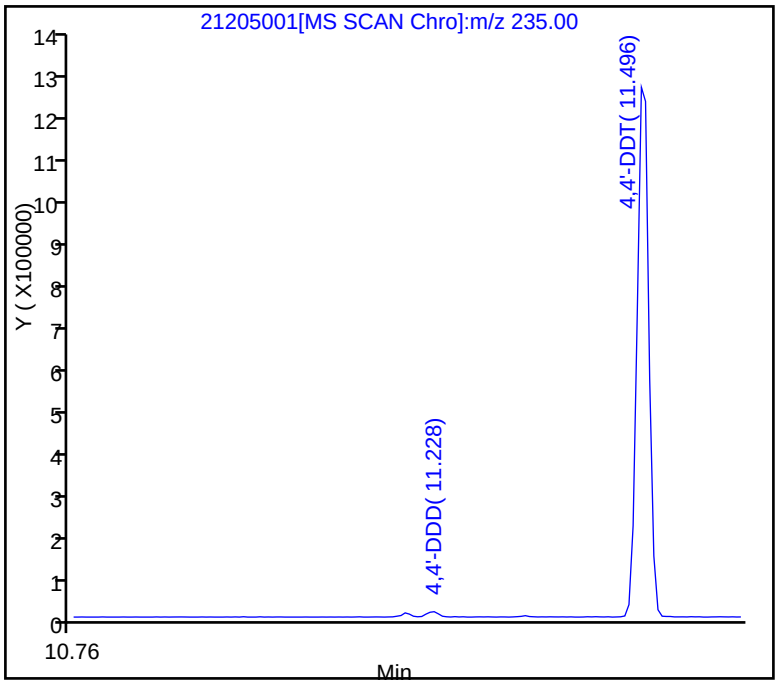
Report Date: 06-Dec-2012 08:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205001.D		
Injection Date:	05-Dec-2012 09:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	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 = 1299632
163 4,4'-DDD, Area = 13666
164 4,4'-DDE, Area = 2299

%Breakdown: 1.21%, Max Limit: 20.00%
Passed

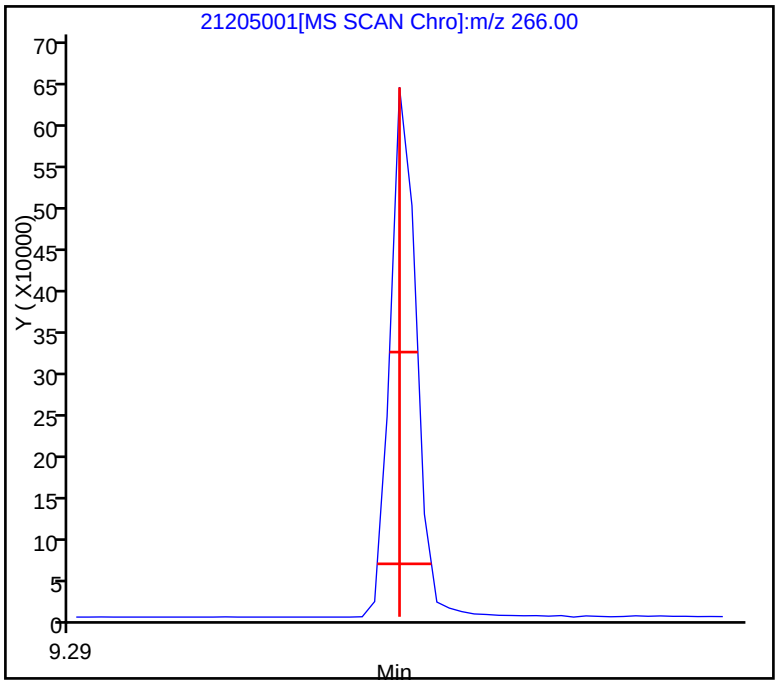
Report Date: 06-Dec-2012 08:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205001.D		
Injection Date:	05-Dec-2012 09:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	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 = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.4, Max. Tailing < 5.00
Passed

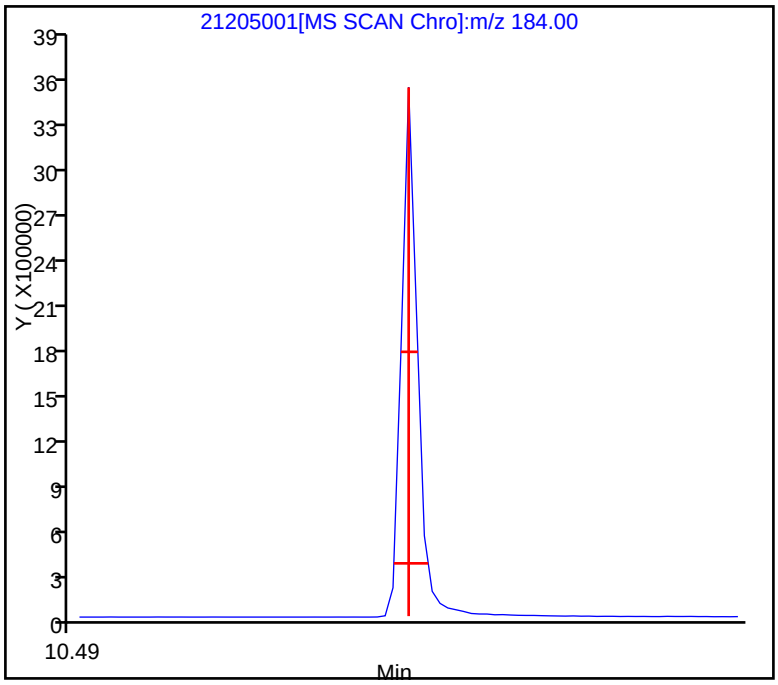
Report Date: 06-Dec-2012 08:50:11 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205001.D		
Injection Date:	05-Dec-2012 09:10:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	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 = 0.010 (min.)

Tailing Factor = 1.3, 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

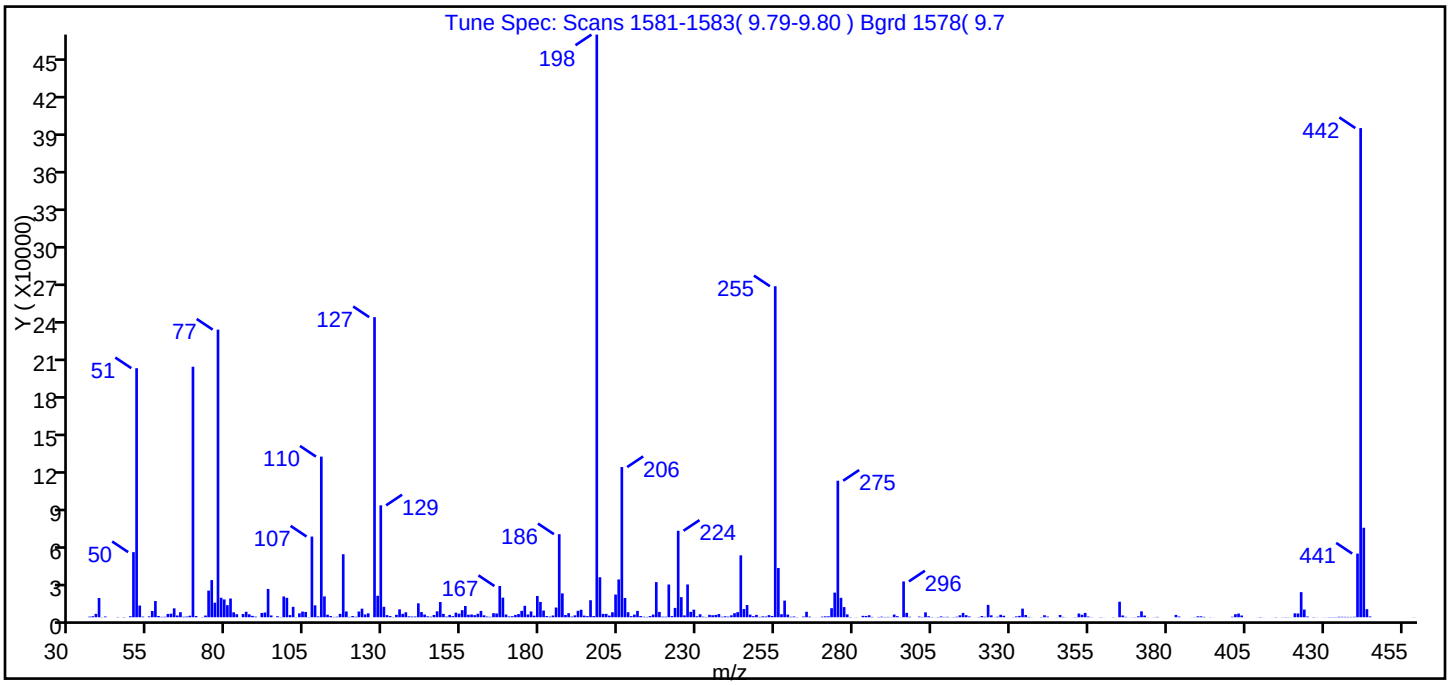
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.435	9.435	0.0	89	520751	0	
148 DFTPP								
158 Benzidine	184	10.718	10.718	0.0	100	3080582	0	
164 4,4'-DDE	246	10.879	10.879	0.0	42	2148	0	
163 4,4'-DDD	235	11.226	11.226	0.0	76	13599	0	
168 4,4'-DDT	235	11.499	11.499	0.0	99	1468749	0	

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)

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
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		

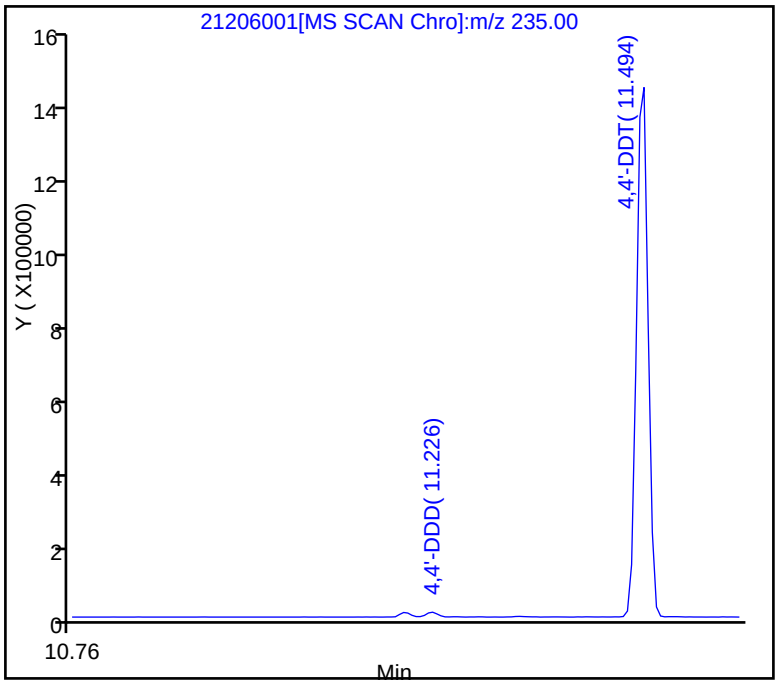
Report Date: 07-Dec-2012 12:54:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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

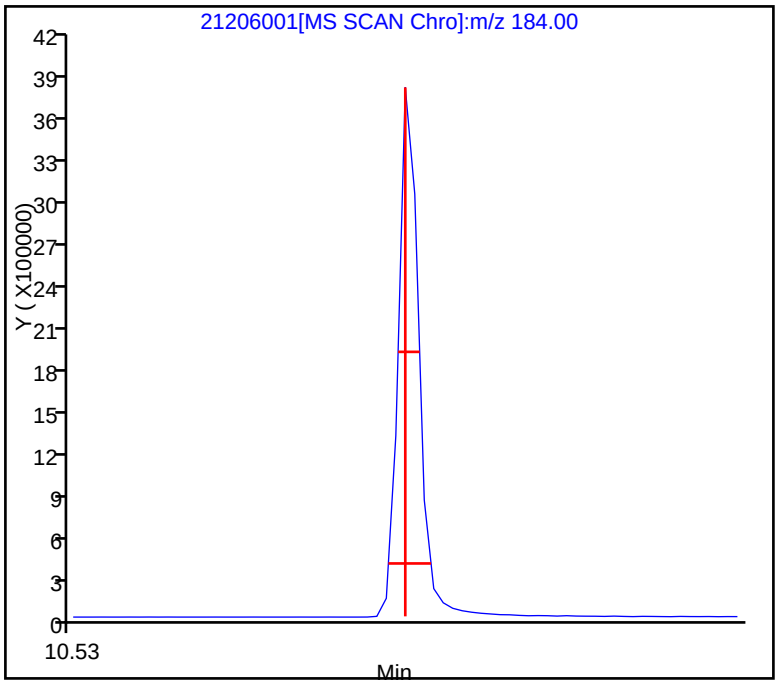
Report Date: 07-Dec-2012 12:54:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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

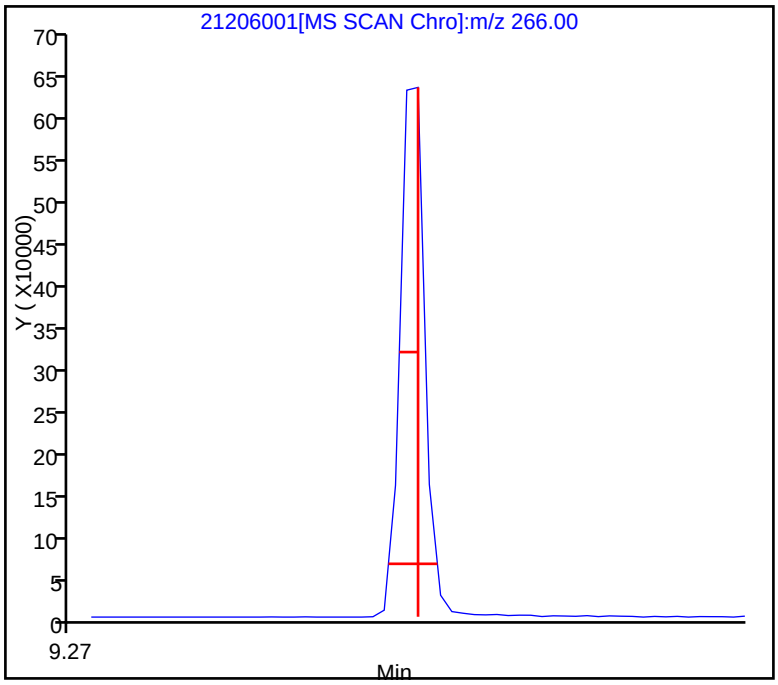
Report Date: 07-Dec-2012 12:54:44 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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

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

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	07-Dec-2012 10:55:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015633-001		
Misc. Info.:	dftpp =DFTPP		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	67761	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\8270_hp7.m		
Last Update:	10-Dec-2012 11:29:08	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:	XAWRK015		
First Level Reviewer: gruberj		Date:	07-Dec-2012 11:25:17

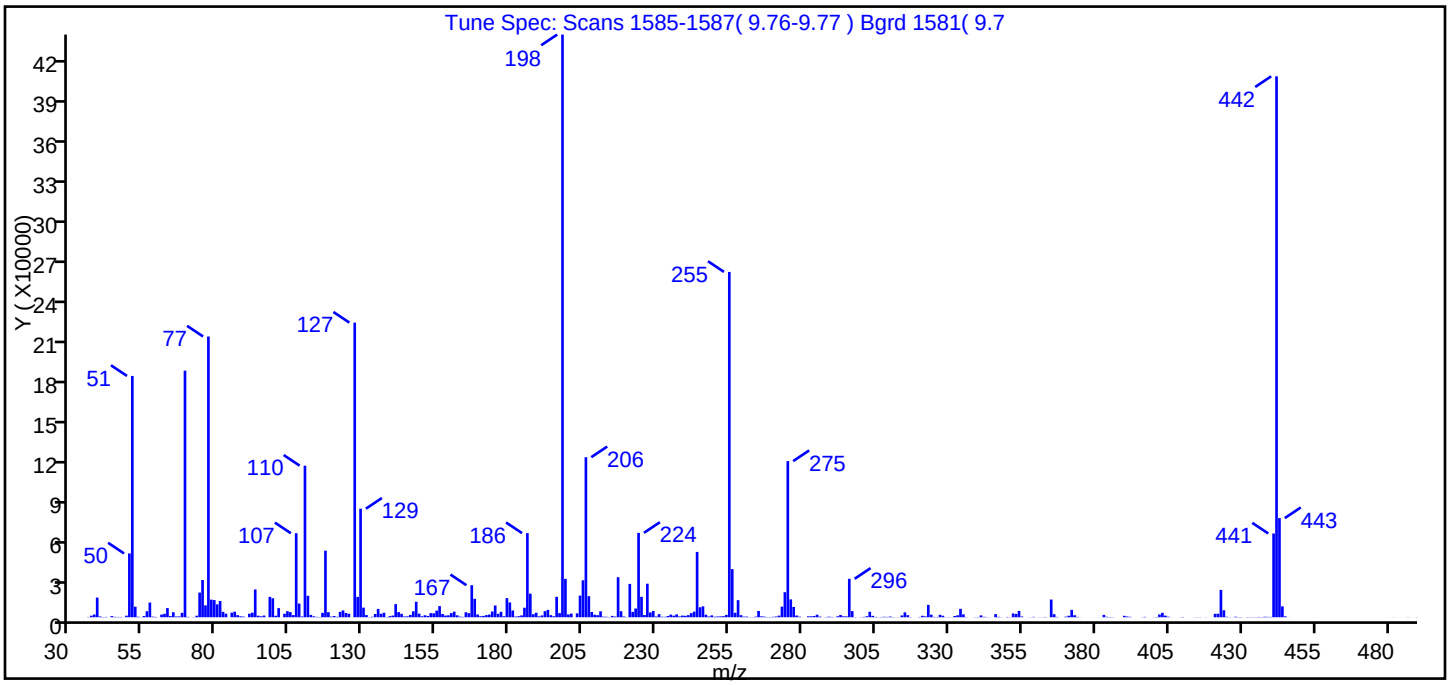
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.401	9.401	0.0	87	503039	0	
148 DFTPP								
158 Benzidine	184	10.684	10.684	0.0	100	2930360	0	
164 4,4'-DDE	246	10.845	10.845	0.0	34	1660	0	
163 4,4'-DDD	235	11.187	11.187	0.0	71	13592	0	
168 4,4'-DDT	235	11.455	11.455	0.0	98	1411173	0	

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207001.D		
Injection Date:	07-Dec-2012 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67761	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	41.41
68	Less than 2.00% of mass 69	0.76 (1.80)
69	Present	42.32
70	Less than 2.00% of mass 69	0.07 (0.17)
127	25.00 - 75.00% of mass 198	50.56
197	Less than 1.00% of mass 198	0.71
199	5.00 - 9.00% of mass 198	6.58
275	10.00 - 30.00% of mass 198	26.80
365	Greater than 0.75% of mass 198	3.04
441	Present, but less than mass 443%	14.37 (84.45)
442	40.00 - 110.00% of mass 198	92.84
443	15.00 - 24.00% of mass 442	17.02 (18.33)

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Dec-2012 10:55:30
Spectrum: Tune Spec: Scans 1585-1587(9.76-9.77) Bgrd 1581(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	225	135.00	6168	229.00	4616	328.00	1148
37.00	1176	136.00	2600	230.00	575	329.00	113
38.00	2033	137.00	3335	231.00	2267	330.00	149
39.00	14557	138.00	184	232.00	385	331.00	76
40.00	617	139.00	852	233.00	316	332.00	932
41.00	188	140.00	1242	234.00	963	333.00	1449
42.00	267	141.00	9692	235.00	1938	334.00	6254
44.00	873	142.00	3796	236.00	1195	335.00	2154
45.00	293	143.00	2553	237.00	2146	336.00	147
46.00	235	144.00	601	238.00	625	339.00	118
47.00	239	145.00	679	239.00	1238	340.00	205
48.00	54	146.00	1721	240.00	1088	341.00	1395
49.00	1181	147.00	4372	241.00	1580	342.00	348
50.00	47176	148.00	11475	242.00	3049	343.00	170
51.00	178432	149.00	2677	243.00	4150	344.00	59
52.00	7784	150.00	720	244.00	48304	346.00	2310
53.00	389	151.00	1477	245.00	7381	347.00	326
54.00	94	152.00	987	246.00	8070	348.00	99
55.00	924	153.00	3016	247.00	1895	350.00	239
56.00	4471	154.00	2915	248.00	587	351.00	88
57.00	10852	155.00	4881	249.00	1384	352.00	2815
58.00	446	156.00	8257	250.00	419	353.00	2455
59.00	253	157.00	2460	251.00	591	354.00	4660
61.00	1976	158.00	1248	252.00	662	355.00	548
62.00	2552	159.00	1451	253.00	802	357.00	70
63.00	6799	160.00	3071	254.00	1769	358.00	87
64.00	874	161.00	4152	255.00	255360	359.00	294
65.00	3703	162.00	1443	256.00	35584	361.00	103
66.00	547	163.00	507	257.00	3300	362.00	91
67.00	615	164.00	298	258.00	12652	363.00	222
68.00	3276	165.00	3689	259.00	1535	365.00	13104
69.00	182336	166.00	3033	260.00	452	366.00	2247
70.00	314	167.00	23696	261.00	492	367.00	270

Report Date: 10-Dec-2012 11:29:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Dec-2012 10:55:30
Spectrum: Tune Spec: Scans 1585-1587(9.76-9.77) Bgrd 1581(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	147	168.00	13640	262.00	106	370.00	466
73.00	1126	169.00	2075	263.00	141	371.00	1119
74.00	18240	170.00	755	264.00	464	372.00	5477
75.00	27536	171.00	1019	265.00	4665	373.00	1508
76.00	8798	172.00	1587	266.00	698	374.00	295
77.00	207616	173.00	1989	267.00	489	375.00	68
78.00	13031	174.00	4228	268.00	170	381.00	57
79.00	12706	175.00	8707	269.00	195	383.00	1743
80.00	9544	176.00	2551	270.00	342	384.00	365
81.00	12020	177.00	4047	271.00	566	385.00	178
82.00	3994	178.00	754	272.00	1218	386.00	142
83.00	2612	179.00	14149	273.00	7825	390.00	1067
85.00	3412	180.00	10971	274.00	18520	391.00	542
86.00	4158	181.00	4990	275.00	115472	392.00	310
87.00	1555	182.00	517	276.00	13209	396.00	79
88.00	696	183.00	779	277.00	7606	397.00	298
89.00	479	184.00	1359	278.00	1285	400.00	84
90.00	62	185.00	7032	279.00	467	401.00	234
91.00	2637	186.00	62208	282.00	725	402.00	2047
92.00	3373	187.00	17448	283.00	740	403.00	3277
93.00	20560	188.00	2249	284.00	947	404.00	1218
94.00	1144	189.00	3338	285.00	1862	405.00	402
95.00	712	190.00	698	286.00	501	406.00	50
96.00	1258	191.00	1347	288.00	183	409.00	71
98.00	15087	192.00	4478	289.00	443	410.00	206
99.00	14033	193.00	5443	290.00	258	414.00	63
100.00	1103	194.00	1536	291.00	55	415.00	118
101.00	6759	195.00	757	292.00	724	416.00	104
102.00	28	196.00	15127	293.00	1707	418.00	70
103.00	2606	197.00	3051	294.00	703	421.00	2551
104.00	4490	198.00	430848	295.00	674	422.00	2598
105.00	3797	199.00	28368	296.00	28448	423.00	20248
106.00	1607	200.00	2110	297.00	4533	424.00	5181
107.00	62120	201.00	2697	298.00	166	425.00	350

Report Date: 10-Dec-2012 11:29:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207001.D\8270_hp7.rslt\spectra.d
Injection Date: 07-Dec-2012 10:55:30
Spectrum: Tune Spec: Scans 1585-1587(9.76-9.77) Bgrd 1581(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 369

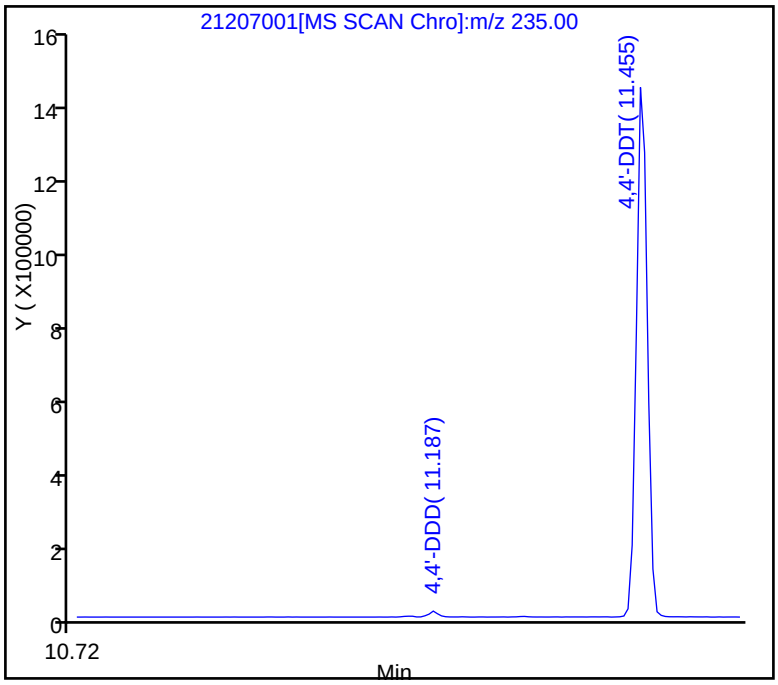
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	10120	203.00	2905	300.00	132	426.00	124
109.00	588	204.00	16019	301.00	293	427.00	53
110.00	112088	205.00	27336	302.00	757	428.00	402
111.00	15894	206.00	118344	303.00	4069	429.00	186
112.00	1747	207.00	15574	304.00	1038	430.00	137
113.00	690	208.00	3879	305.00	276	432.00	168
114.00	300	209.00	1888	306.00	101	433.00	158
115.00	223	210.00	1534	307.00	220	434.00	109
116.00	3272	211.00	4373	308.00	360	435.00	171
117.00	49224	212.00	457	309.00	246	436.00	234
118.00	3740	213.00	361	310.00	527	437.00	191
119.00	497	214.00	162	311.00	176	438.00	382
120.00	906	215.00	1011	312.00	80	439.00	285
121.00	328	216.00	532	313.00	107	440.00	251
122.00	3981	217.00	29624	314.00	1344	441.00	61928
123.00	5057	218.00	4477	315.00	3622	442.00	400000
124.00	3172	219.00	571	316.00	1541	443.00	73328
125.00	2577	220.00	111	317.00	174	444.00	8057
127.00	217856	221.00	24664	320.00	208	445.00	658
128.00	15046	222.00	3988	321.00	1089	446.00	50
129.00	80280	223.00	6460	322.00	642	482.00	62
130.00	7117	224.00	62408	323.00	9137	487.00	118
131.00	1634	225.00	15122	324.00	1905	490.00	71
132.00	175	226.00	1647	325.00	290		
133.00	381	227.00	24816	326.00	218		
134.00	2394	228.00	3536	327.00	1814		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207001.D		
Injection Date:	07-Dec-2012 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67761	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 = 1411173
163 4,4'-DDD, Area = 13592
164 4,4'-DDE, Area = 1660

%Breakdown: 1.07%, Max Limit: 20.00%
Passed

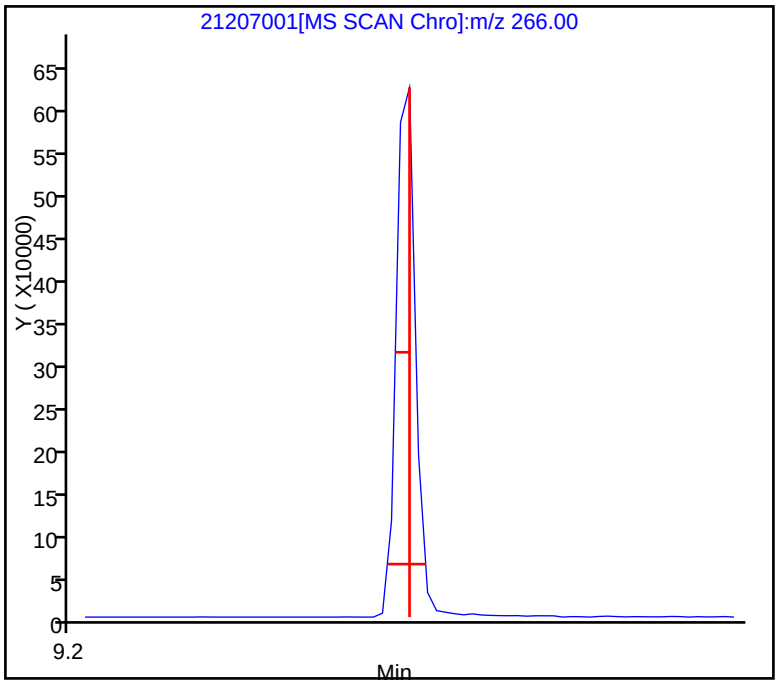
Report Date: 10-Dec-2012 11:29:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207001.D		
Injection Date:	07-Dec-2012 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67761	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 = 0.013 (min.)

Tailing Factor = 0.7, Max. Tailing < 5.00
Passed

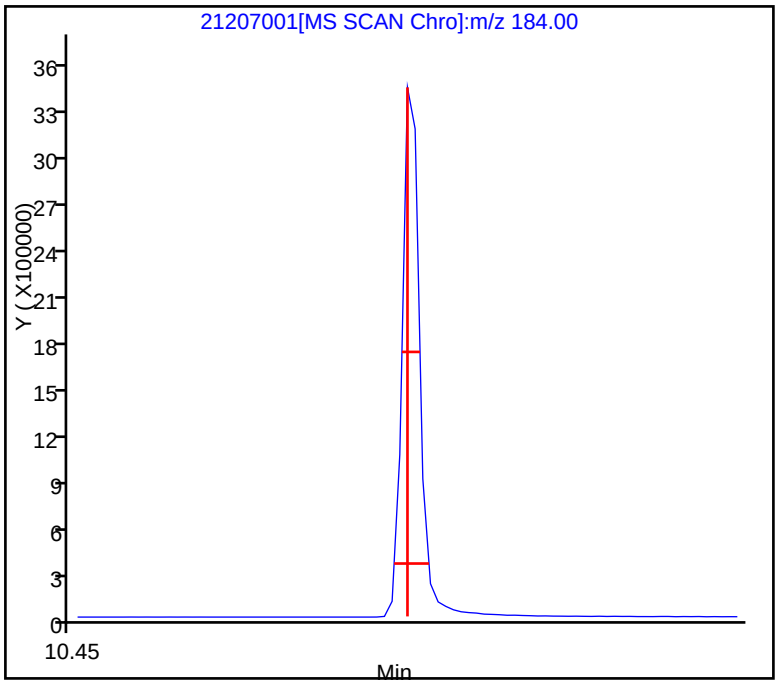
Report Date: 10-Dec-2012 11:29:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207001.D		
Injection Date:	07-Dec-2012 10:55:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67761	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 = 0.009 (min.)

Tailing Factor = 1.6, Max. Tailing < 3.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	11-Dec-2012 10:24:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015716-001		
Misc. Info.:	dftpp		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	68148	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\8270_hp7.m		
Last Update:	12-Dec-2012 09:45:41	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:	XAWRK017		
First Level Reviewer: gruberj		Date:	11-Dec-2012 10:55:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.402	9.402	0.0	87	626351	0	
148 DFTPP								
158 Benzidine	184	10.691	10.691	0.0	99	3539081	0	
164 4,4'-DDE	246	10.852	10.852	0.0	23	1841	0	
163 4,4'-DDD	235	11.194	11.194	0.0	78	18029	0	
168 4,4'-DDT	235	11.462	11.462	0.0	98	1692995	0	

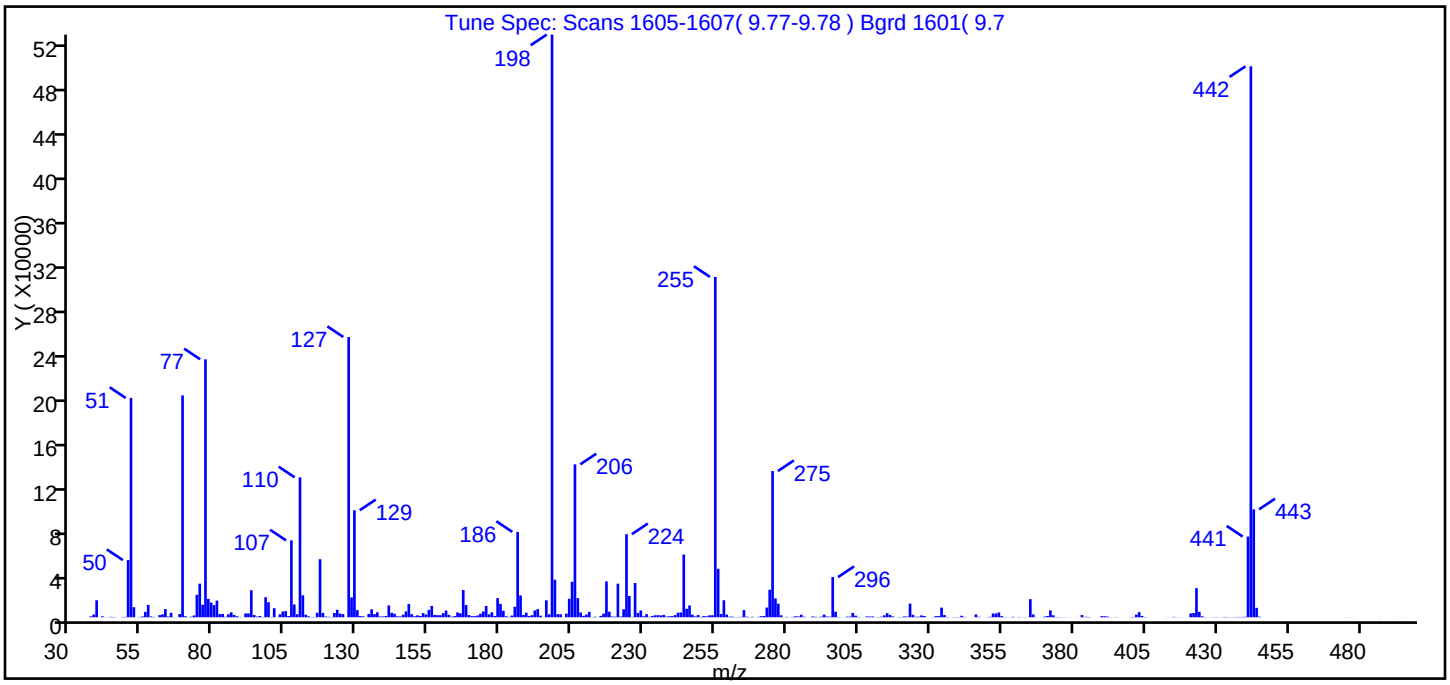
Report Date: 12-Dec-2012 09:45:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211001.D		
Injection Date:	11-Dec-2012 10:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	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	37.64
68	Less than 2.00% of mass 69	0.56 (1.46)
69	Present	38.08
70	Less than 2.00% of mass 69	0.17 (0.46)
127	25.00 - 75.00% of mass 198	48.09
197	Less than 1.00% of mass 198	0.50
199	5.00 - 9.00% of mass 198	6.44
275	10.00 - 30.00% of mass 198	25.09
365	Greater than 0.75% of mass 198	3.10
441	Present, but less than mass 443%	13.85 (74.76)
442	40.00 - 110.00% of mass 198	94.56
443	15.00 - 24.00% of mass 442	18.52 (19.59)

Report Date: 12-Dec-2012 09:45:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211001.D\8270_hp7.rslt\spectra.d
Injection Date: 11-Dec-2012 10:24:30
Spectrum: Tune Spec: Scans 1605-1607(9.77-9.78) Bgrd 1601(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	862	138.00	663	234.00	1778	335.00	1997
38.00	2473	139.00	730	235.00	1883	336.00	287
39.00	15332	140.00	1134	236.00	1668	338.00	200
40.00	36	141.00	10668	237.00	2162	339.00	162
41.00	906	142.00	3985	238.00	606	340.00	203
42.00	110	143.00	3146	239.00	950	341.00	1353
43.00	76	144.00	811	240.00	997	342.00	338
44.00	361	145.00	710	241.00	1937	343.00	56
45.00	272	146.00	2260	242.00	4080	346.00	2575
46.00	86	147.00	5261	243.00	4381	347.00	434
48.00	263	148.00	12012	244.00	56576	350.00	153
49.00	333	149.00	2812	245.00	7651	351.00	394
50.00	51592	150.00	897	246.00	10655	352.00	3389
51.00	197888	151.00	1726	247.00	2342	353.00	3402
52.00	9099	152.00	1175	248.00	765	354.00	4319
54.00	267	153.00	3717	249.00	1974	355.00	1126
55.00	774	154.00	2502	250.00	377	356.00	230
56.00	4848	155.00	6624	251.00	1098	357.00	80
57.00	11084	156.00	10204	252.00	833	358.00	92
58.00	759	157.00	2083	253.00	1745	359.00	426
59.00	247	158.00	1853	254.00	1787	361.00	263
61.00	1978	159.00	1852	255.00	307072	362.00	91
62.00	2645	160.00	3721	256.00	43744	363.00	114
63.00	7407	161.00	6020	257.00	2963	364.00	54
64.00	701	162.00	2112	258.00	15355	365.00	16318
65.00	4011	163.00	485	259.00	2416	366.00	2538
66.00	176	164.00	1067	260.00	502	367.00	116
68.00	2922	165.00	4316	261.00	583	369.00	102
69.00	200192	166.00	3617	262.00	184	370.00	597
70.00	915	167.00	24560	263.00	265	371.00	1167
71.00	106	168.00	11018	264.00	354	372.00	6152
72.00	493	169.00	1947	265.00	6425	373.00	1767
73.00	1569	170.00	1011	266.00	504	374.00	251

Report Date: 12-Dec-2012 09:45:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211001.D\8270_hp7.rslt\spectra.d
Injection Date: 11-Dec-2012 10:24:30
Spectrum: Tune Spec: Scans 1605-1607(9.77-9.78) Bgrd 1601(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	20200	171.00	1011	267.00	255	375.00	188
75.00	30328	172.00	1603	268.00	435	376.00	64
76.00	11231	173.00	3131	270.00	354	377.00	103
77.00	232768	174.00	5230	271.00	975	379.00	75
78.00	16552	175.00	10153	272.00	1143	381.00	57
79.00	13251	176.00	2590	273.00	8759	383.00	1974
80.00	10960	177.00	4543	274.00	24784	384.00	384
81.00	15040	178.00	1169	275.00	131904	385.00	358
82.00	2854	179.00	17304	276.00	16992	386.00	157
83.00	3057	180.00	12064	277.00	12219	389.00	110
84.00	453	181.00	5821	278.00	1782	390.00	1066
85.00	2690	182.00	896	279.00	152	391.00	976
86.00	4469	183.00	331	280.00	338	392.00	587
87.00	2054	184.00	1505	282.00	344	393.00	147
88.00	971	185.00	9410	283.00	907	395.00	205
89.00	252	186.00	77008	284.00	756	400.00	206
91.00	3434	187.00	19744	285.00	2305	401.00	312
92.00	3493	188.00	2000	286.00	483	402.00	2365
93.00	24368	189.00	4097	288.00	61	403.00	4612
94.00	1981	190.00	1133	289.00	735	404.00	1187
95.00	641	191.00	1879	290.00	394	405.00	225
96.00	1179	192.00	6158	291.00	146	406.00	66
97.00	205	193.00	7353	292.00	531	412.00	50
98.00	18048	194.00	1435	293.00	2393	413.00	85
99.00	13561	195.00	140	294.00	668	415.00	368
100.00	220	196.00	15318	295.00	496	416.00	94
101.00	8160	197.00	2637	296.00	36248	417.00	65
103.00	2639	198.00	525760	297.00	5003	421.00	3419
104.00	5164	199.00	33856	298.00	272	422.00	3821
105.00	5565	200.00	2748	299.00	71	423.00	26256
106.00	1091	201.00	2728	301.00	546	424.00	4874
107.00	69336	203.00	3242	302.00	592	425.00	924
108.00	11526	204.00	16704	303.00	3930	426.00	192
109.00	2775	205.00	32032	304.00	1441	427.00	58

Report Date: 12-Dec-2012 09:45:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211001.D\8270_hp7.rslt\spectra.d
Injection Date: 11-Dec-2012 10:24:30
Spectrum: Tune Spec: Scans 1605-1607(9.77-9.78) Bgrd 1601(9.7
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 373

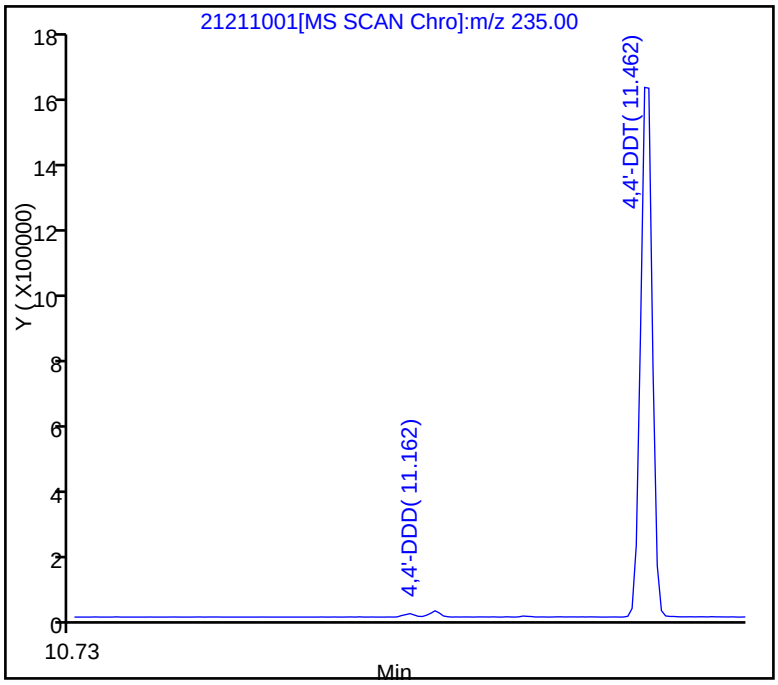
m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	126256	206.00	137984	305.00	352	428.00	103
111.00	19808	207.00	17248	307.00	50	429.00	116
112.00	2314	208.00	4275	308.00	802	430.00	218
113.00	892	209.00	1311	309.00	704	431.00	75
114.00	215	210.00	2412	310.00	719	432.00	166
115.00	215	211.00	4845	311.00	121	433.00	317
116.00	4031	212.00	157	312.00	248	434.00	193
117.00	52384	213.00	474	313.00	506	435.00	175
118.00	3926	215.00	1245	314.00	1743	436.00	240
119.00	597	216.00	3227	315.00	3699	437.00	217
120.00	420	217.00	32320	316.00	2105	438.00	307
121.00	248	218.00	5013	317.00	789	439.00	326
122.00	3875	219.00	661	319.00	213	440.00	422
123.00	6763	220.00	525	320.00	234	441.00	72800
124.00	3334	221.00	30328	321.00	809	442.00	497152
125.00	2859	222.00	654	322.00	560	443.00	97384
126.00	72	223.00	7194	323.00	12345	444.00	8467
127.00	252864	224.00	74944	324.00	2213	445.00	556
128.00	17856	225.00	19200	325.00	458	466.00	57
129.00	96560	226.00	277	326.00	500	475.00	50
130.00	6438	227.00	30904	327.00	1677	476.00	76
131.00	1117	228.00	3899	328.00	1131	487.00	72
132.00	887	229.00	6157	329.00	76	494.00	93
134.00	2952	230.00	882	331.00	178	496.00	61
135.00	7163	231.00	2801	332.00	1024		
136.00	2837	232.00	394	333.00	1116		
137.00	4462	233.00	1213	334.00	8712		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211001.D		
Injection Date:	11-Dec-2012 10:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	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 = 1692995
163 4,4'-DDD, Area = 18029
164 4,4'-DDE, Area = 1841

%Breakdown: 1.16%, Max Limit: 20.00%
Passed

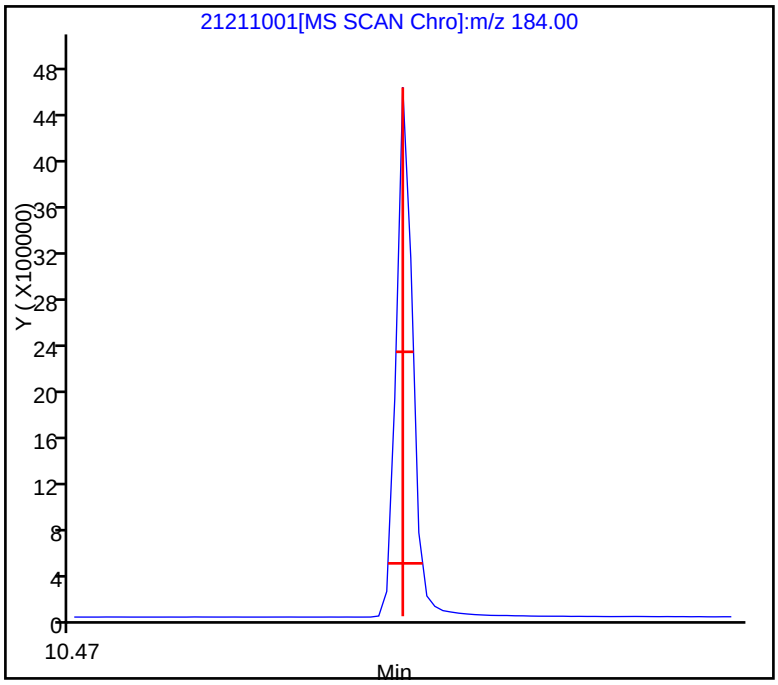
Report Date: 12-Dec-2012 09:45:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211001.D		
Injection Date:	11-Dec-2012 10:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	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 = 0.010 (min.)

Tailing Factor = 1.3, Max. Tailing < 3.00
Passed

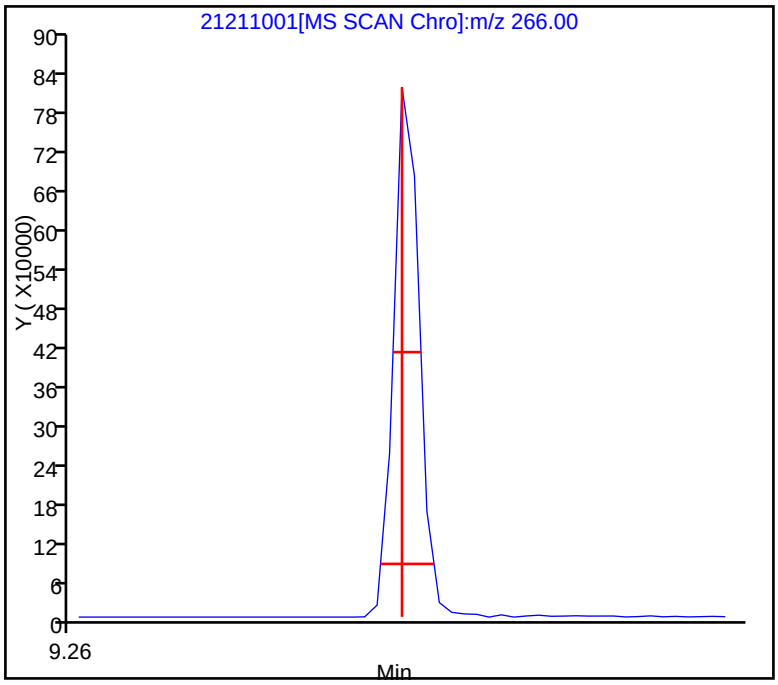
Report Date: 12-Dec-2012 09:45:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211001.D		
Injection Date:	11-Dec-2012 10:24:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	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 = 0.014 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.5, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	03-Dec-2012 11:11:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015467-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	67070	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\8270 _9.m		
Last Update:	04-Dec-2012 08:01:14	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.D		
Limit Group:	MSS 8270 DOD ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	5% phenyl	Column Dia:	0.18 mm
Process Host:	XAWRK031		
First Level Reviewer: ulmanm		Date:	03-Dec-2012 11:43:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.743	9.743	0.0	77	845991	0	
150 DFTPP								
160 Benzidine	184	11.057	11.057	0.0	88	4913458	0	
166 4,4'-DDE	246	11.233	11.233	0.0	1	3405	0	
165 4,4'-DDD	235	11.580	11.580	0.0	25	29456	0	
170 4,4'-DDT	235	11.922	11.922	0.0	92	2368324	0	

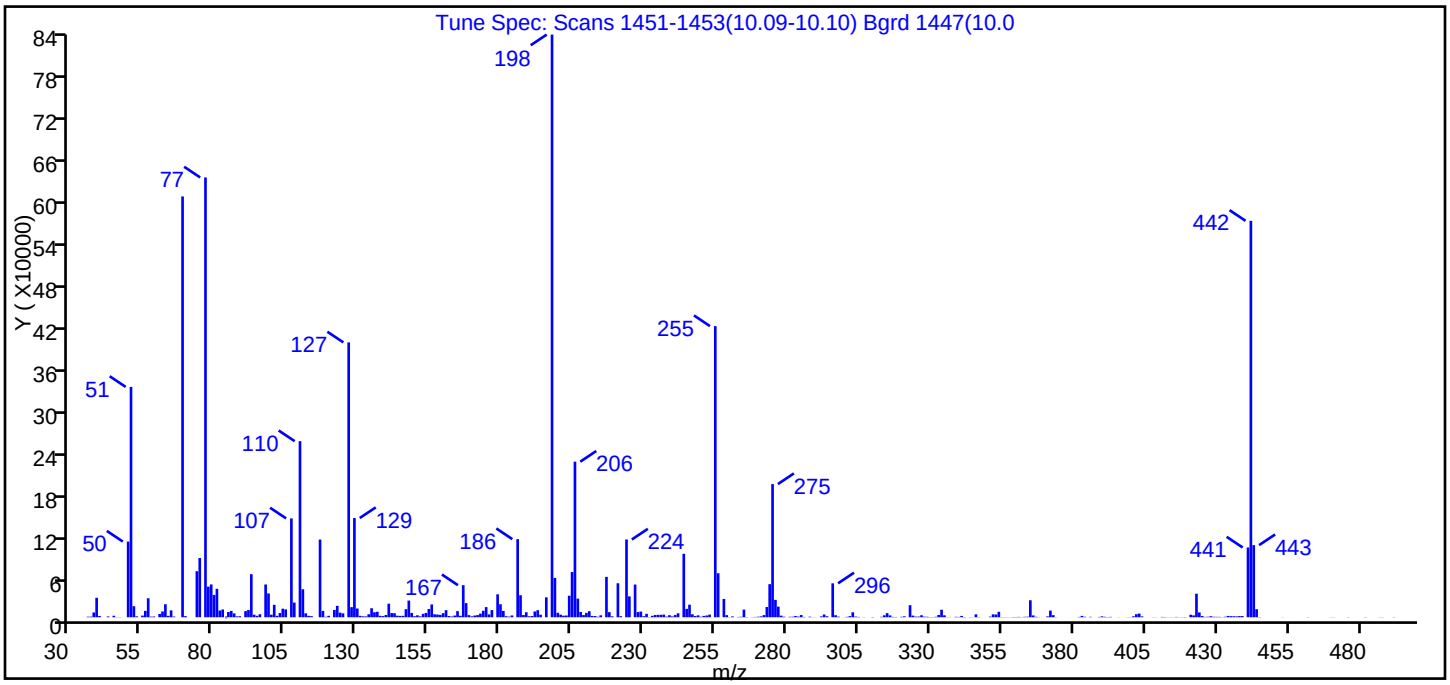
Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Injection Date:	03-Dec-2012 11:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	39.53
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	72.22
70	Less than 2.00% of mass 69	0.20 (0.27)
127	25.00 - 75.00% of mass 198	47.17
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.75
275	10.00 - 30.00% of mass 198	22.86
365	Greater than 0.75% of mass 198	2.92
441	Present, but less than mass 443%	11.97 (96.74)
442	40.00 - 110.00% of mass 198	68.04
443	15.00 - 24.00% of mass 442	12.38 (18.19)

Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D\8270 _9.rslt\spectra.d
Injection Date: 03-Dec-2012 11:11:30
Spectrum: Tune Spec: Scans 1451-1453(10.09-10.10) Bgrd 1447(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	805	143.00	5762	238.00	899	344.00	252
37.00	913	144.00	2208	239.00	2944	345.00	194
38.00	6881	145.00	1935	240.00	1199	346.00	4162
39.00	27752	146.00	2039	241.00	3197	347.00	293
40.00	1847	147.00	11515	242.00	5686	351.00	938
43.00	1175	148.00	23792	244.00	90544	352.00	4152
45.00	2162	149.00	6149	245.00	11968	353.00	3912
46.00	183	150.00	1505	246.00	17920	354.00	7781
47.00	281	151.00	2790	247.00	4250	355.00	244
50.00	107928	152.00	1316	248.00	1759	356.00	276
51.00	328512	153.00	4861	249.00	2729	357.00	196
52.00	15756	154.00	6172	250.00	796	358.00	184
53.00	1265	155.00	11784	251.00	1929	359.00	372
55.00	2354	156.00	18272	252.00	2492	360.00	372
56.00	9108	157.00	4229	253.00	3788	361.00	555
57.00	27096	158.00	3898	255.00	415232	362.00	231
58.00	882	159.00	3388	256.00	62760	363.00	614
59.00	1090	160.00	5803	258.00	26096	364.00	800
61.00	4674	161.00	10124	259.00	3036	365.00	24240
62.00	8247	162.00	1764	260.00	262	366.00	2609
63.00	18592	163.00	1087	261.00	1214	367.00	673
64.00	2017	164.00	2422	263.00	469	368.00	229
65.00	9825	165.00	8760	264.00	708	371.00	1221
66.00	993	166.00	2066	265.00	10931	372.00	9521
69.00	600128	167.00	45760	266.00	391	373.00	2996
70.00	1628	168.00	20160	268.00	215	374.00	197
74.00	65656	169.00	3000	269.00	455	382.00	488
75.00	84456	170.00	1316	270.00	786	383.00	1920
77.00	627264	171.00	2460	271.00	1272	384.00	719
78.00	43592	172.00	3069	272.00	3065	386.00	605
79.00	46792	173.00	5254	273.00	14640	389.00	471
80.00	31864	174.00	9203	274.00	47184	390.00	1310
81.00	40576	175.00	14490	275.00	189952	391.00	671

Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D\8270 _9.rslt\spectra.d
Injection Date: 03-Dec-2012 11:11:30
Spectrum: Tune Spec: Scans 1451-1453(10.09-10.10) Bgrd 1447(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	9621	176.00	4058	276.00	24816	392.00	374
83.00	11092	177.00	10236	277.00	15088	393.00	572
84.00	1	179.00	32696	278.00	2264	396.00	178
85.00	7518	180.00	18528	279.00	773	399.00	207
86.00	9066	181.00	9015	281.00	647	400.00	205
87.00	5515	182.00	1488	282.00	835	401.00	1382
88.00	1317	183.00	957	283.00	1794	402.00	4364
89.00	1456	184.00	2598	284.00	973	403.00	5287
91.00	8760	186.00	111416	285.00	3129	404.00	1266
92.00	10326	187.00	31432	286.00	536	408.00	221
93.00	61440	188.00	3197	288.00	810	409.00	173
94.00	3617	189.00	7175	289.00	176	411.00	499
95.00	2055	190.00	1393	290.00	170	412.00	394
96.00	4317	191.00	1812	292.00	1225	413.00	169
98.00	46744	192.00	8283	293.00	3948	414.00	201
99.00	33960	193.00	10085	294.00	1468	415.00	168
100.00	3676	194.00	3587	296.00	48368	416.00	487
101.00	17736	196.00	28408	297.00	2922	417.00	197
102.00	2056	198.00	830976	298.00	912	418.00	203
103.00	6046	199.00	56128	300.00	168	419.00	359
104.00	12231	200.00	6332	301.00	598	421.00	3613
105.00	11224	201.00	3717	302.00	1629	422.00	2627
106.00	37	202.00	2291	303.00	7068	423.00	33560
107.00	140992	203.00	2497	304.00	939	424.00	6841
108.00	20936	204.00	30736	305.00	512	425.00	1826
110.00	251136	205.00	64560	307.00	199	426.00	496
111.00	39928	206.00	221888	310.00	391	427.00	744
112.00	5609	207.00	26536	313.00	658	428.00	1504
113.00	2015	208.00	7546	314.00	2785	429.00	726
114.00	1583	209.00	3144	315.00	5914	430.00	612
117.00	110808	210.00	6205	316.00	2627	431.00	568
118.00	9054	211.00	8658	317.00	525	432.00	214
119.00	692	212.00	1909	318.00	434	433.00	709
120.00	2041	213.00	1780	320.00	690	434.00	1840

Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D\8270 _9.rslt\spectra.d
Injection Date: 03-Dec-2012 11:11:30
Spectrum: Tune Spec: Scans 1451-1453(10.09-10.10) Bgrd 1447(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 347

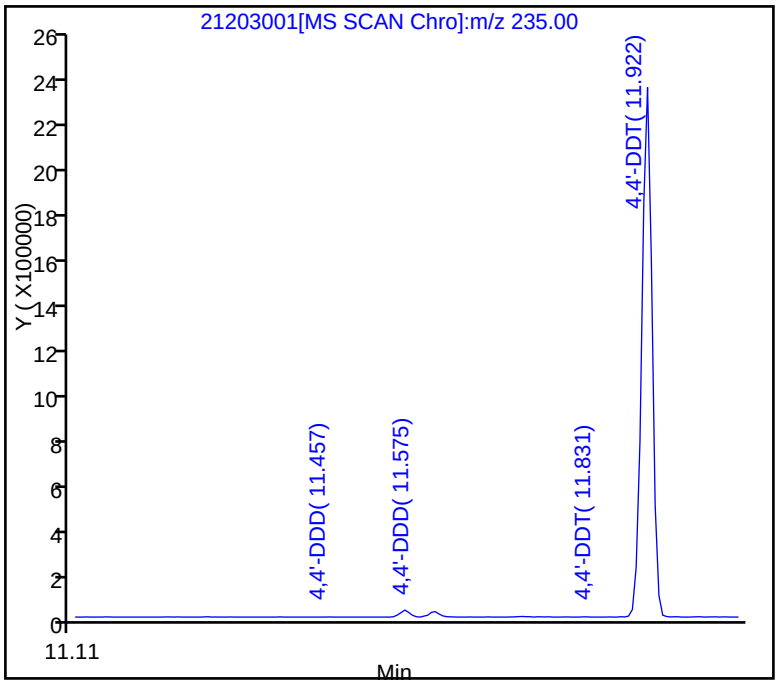
m/z	Y	m/z	Y	m/z	Y	m/z	Y
122.00	10423	214.00	744	321.00	1344	435.00	1597
123.00	16323	215.00	2759	323.00	17192	436.00	1442
124.00	6584	217.00	57576	324.00	2343	437.00	1267
125.00	5555	218.00	7254	325.00	949	438.00	1676
127.00	392000	219.00	1331	326.00	958	439.00	1707
128.00	14423	221.00	48512	327.00	2861	441.00	99488
129.00	141504	222.00	1542	328.00	820	442.00	565376
130.00	12467	224.00	110888	329.00	703	443.00	102840
131.00	1987	225.00	29760	330.00	357	444.00	11515
132.00	1355	227.00	46640	331.00	316	445.00	351
133.00	1243	228.00	7402	332.00	690	453.00	171
134.00	4293	229.00	8159	333.00	3312	462.00	262
135.00	12870	230.00	1504	334.00	10765	470.00	175
136.00	7180	231.00	4936	335.00	2758	471.00	190
137.00	7812	232.00	348	336.00	168	476.00	276
138.00	2059	233.00	2048	337.00	200	482.00	271
139.00	1655	234.00	3232	339.00	622	487.00	210
140.00	3192	235.00	3461	340.00	492	488.00	207
141.00	19360	236.00	3518	341.00	1907	492.00	291
142.00	5932	237.00	3815	342.00	371		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Injection Date:	03-Dec-2012 11:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 2368324
165 4,4'-DDD, Area = 29456
166 4,4'-DDE, Area = 3405

%Breakdown: 1.37%, Max Limit: 20.00%
Passed

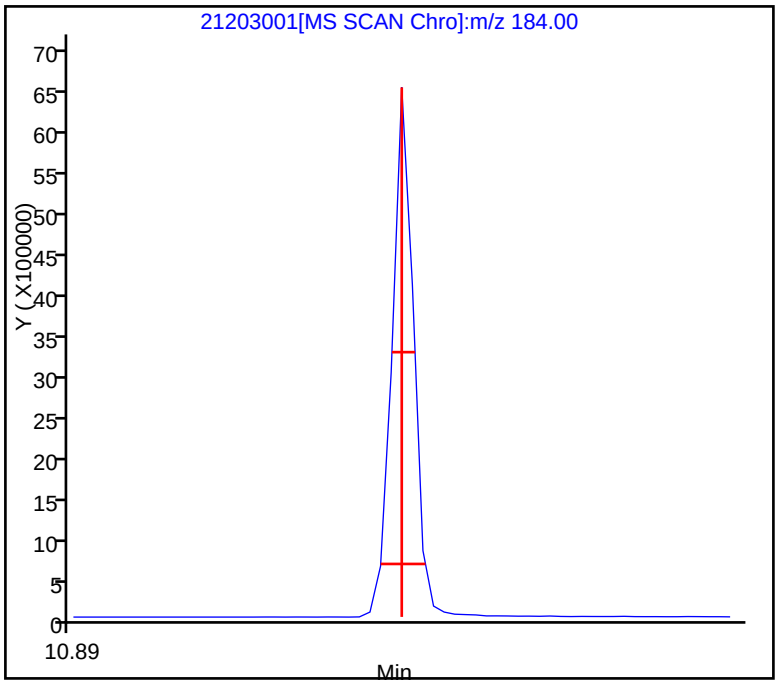
Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Injection Date:	03-Dec-2012 11:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 Benzidine, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.1, Max. Tailing < 3.00
Passed

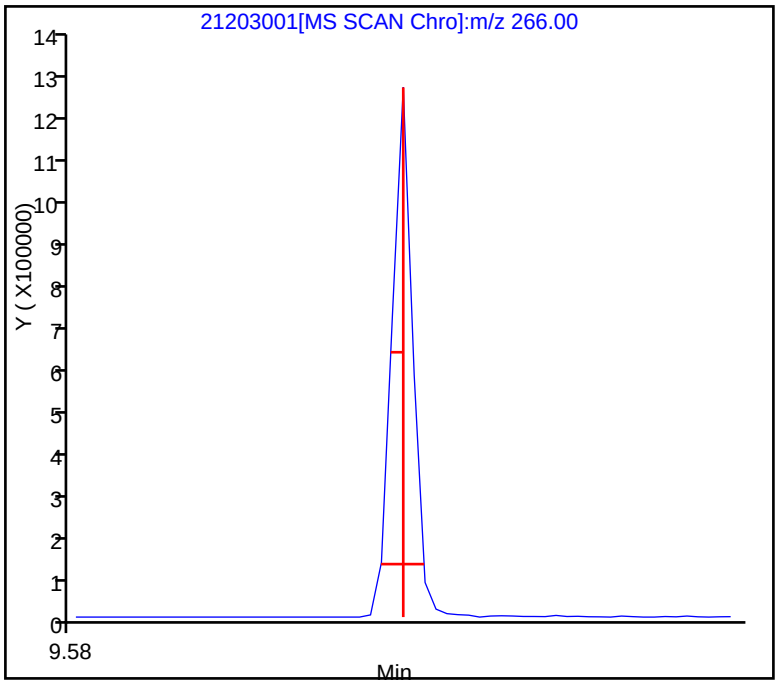
Report Date: 04-Dec-2012 08:01:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203001.D		
Injection Date:	03-Dec-2012 11:11:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67070	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205001.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	05-Dec-2012 07:56:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	240-0015535-001		
Misc. Info.:	DFTPP =DFTPP		
Operator:	001574	Instrument ID:	A4HP9
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	67368	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m		
Last Update:	05-Dec-2012 11:40:03	Calib Date:	03-Dec-2012 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.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:	05-Dec-2012 08:36:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
143 Pentachlorophenol	266	9.688	9.688	0.0	77	622226	0	
150 DFTPP								
160 Benzidine	184	10.997	10.997	0.0	86	4370245	0	
166 4,4'-DDE	246	11.168	11.168	0.0	15	4057	0	
165 4,4'-DDD	235	11.547	11.547	0.0	45	25301	0	
170 4,4'-DDT	235	11.846	11.846	0.0	91	2113806	0	

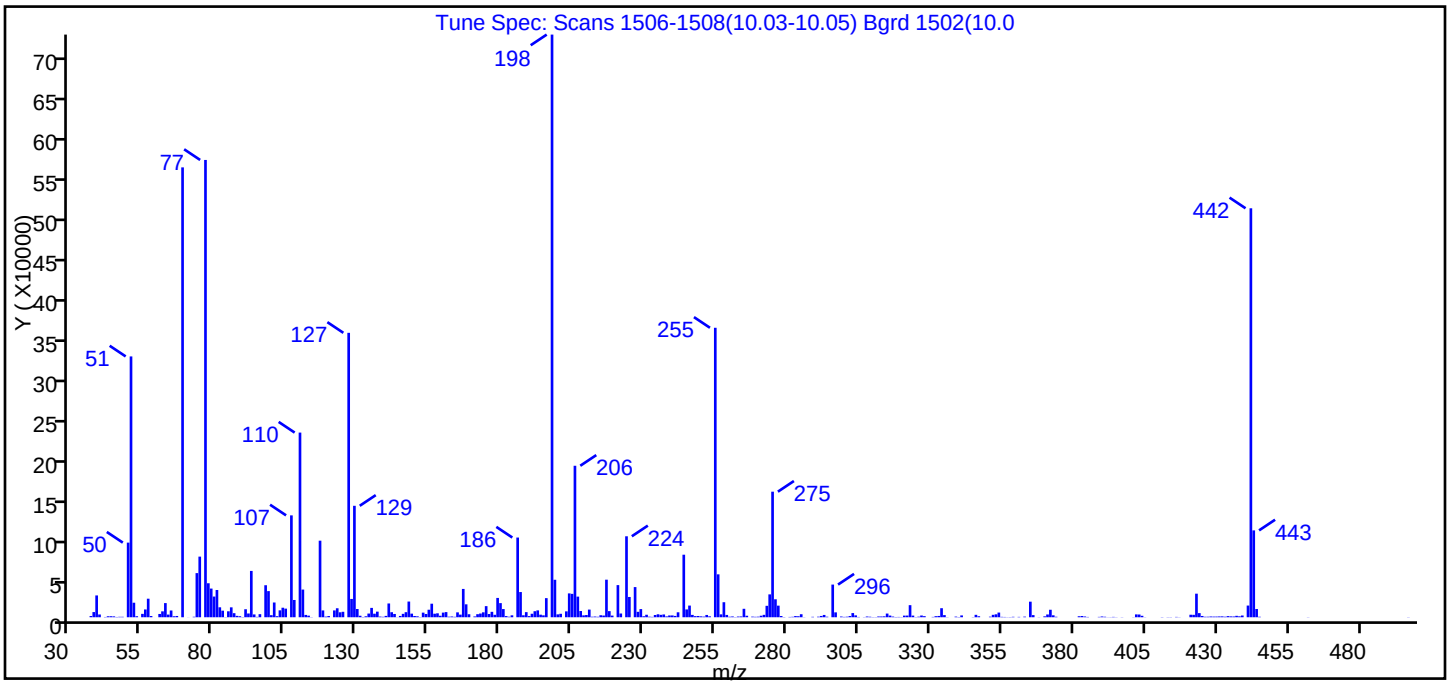
Report Date: 05-Dec-2012 11:40:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

MS Tune Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205001.D		
Injection Date:	05-Dec-2012 07:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm
Tune Method:	DFTPP Method CLP OLM4.2		

150 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	44.76
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	77.21
70	Less than 2.00% of mass 69	0.00 (0.00)
127	25.00 - 75.00% of mass 198	48.81
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.43
275	10.00 - 30.00% of mass 198	21.55
365	Greater than 0.75% of mass 198	2.67
441	Present, but less than mass 443%	2.01 (13.46)
442	40.00 - 110.00% of mass 198	70.19
443	15.00 - 24.00% of mass 442	14.91 (21.24)

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205001.D\8270 _9.rslt\spectra.d
Injection Date: 05-Dec-2012 07:56:30
Spectrum: Tune Spec: Scans 1506-1508(10.03-10.05) Bgrd 1502(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 339

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1565	137.00	6972	229.00	10140	324.00	2041
38.00	6440	138.00	846	230.00	1241	325.00	243
39.00	27104	139.00	556	231.00	3104	326.00	717
40.00	3443	140.00	1685	232.00	730	327.00	2157
42.00	344	141.00	17120	233.00	474	328.00	1358
43.00	1234	142.00	6259	234.00	2795	331.00	436
44.00	1275	143.00	4077	235.00	3677	332.00	1326
45.00	1073	144.00	141	236.00	3005	333.00	1621
46.00	363	145.00	1618	237.00	3458	334.00	11247
47.00	568	146.00	4233	238.00	1037	335.00	2658
48.00	575	147.00	6293	239.00	2222	336.00	197
50.00	92696	148.00	19512	240.00	2244	339.00	806
51.00	323968	149.00	4488	241.00	1663	340.00	324
52.00	18056	150.00	1565	242.00	6157	341.00	2277
53.00	1276	151.00	1160	244.00	77696	345.00	247
55.00	4217	152.00	251	245.00	9721	346.00	3017
56.00	9689	153.00	5737	246.00	14508	347.00	1242
57.00	23048	154.00	4058	247.00	2936	351.00	728
58.00	1522	155.00	9351	248.00	1375	352.00	3024
59.00	27	156.00	16832	249.00	1573	353.00	3651
61.00	4083	157.00	4389	250.00	1116	354.00	5824
62.00	7348	158.00	4897	251.00	813	355.00	496
63.00	17592	159.00	1872	252.00	2860	356.00	379
64.00	3321	160.00	5775	253.00	1179	357.00	198
65.00	8406	161.00	6405	255.00	359552	358.00	256
66.00	1244	162.00	721	256.00	53304	359.00	569
67.00	1580	163.00	951	257.00	3599	361.00	465
69.00	558784	164.00	554	258.00	18672	363.00	779
71.00	101	165.00	6082	259.00	2903	365.00	19352
73.00	613	166.00	3261	260.00	672	366.00	2649
74.00	54824	167.00	35184	261.00	991	368.00	171
75.00	75312	168.00	16059	262.00	266	370.00	1135
77.00	568000	169.00	3748	263.00	878	371.00	3445

Report Date: 05-Dec-2012 11:40:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205001.D\8270 _9.rslt\spectra.d
Injection Date: 05-Dec-2012 07:56:30
Spectrum: Tune Spec: Scans 1506-1508(10.03-10.05) Bgrd 1502(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 339

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	42232	171.00	994	264.00	986	372.00	9320
79.00	35624	172.00	3797	265.00	10513	373.00	2421
80.00	25712	173.00	4607	266.00	1870	374.00	623
81.00	33840	174.00	6118	268.00	782	382.00	1255
82.00	12370	175.00	13820	269.00	560	383.00	1564
83.00	8191	176.00	4008	270.00	702	384.00	942
84.00	238	177.00	6746	271.00	1900	385.00	403
85.00	7402	178.00	3059	272.00	2992	389.00	465
86.00	12316	179.00	24000	273.00	14206	390.00	951
87.00	5069	180.00	17560	274.00	28416	391.00	619
88.00	1740	181.00	10173	275.00	155968	392.00	154
89.00	1281	182.00	1464	276.00	22336	393.00	198
90.00	294	183.00	655	277.00	14418	394.00	459
91.00	9955	184.00	2400	278.00	1537	395.00	182
92.00	4679	186.00	99008	279.00	272	397.00	190
93.00	57544	187.00	31312	281.00	408	401.00	180
94.00	3509	188.00	2457	282.00	584	402.00	3545
95.00	487	189.00	6359	283.00	1486	403.00	3415
96.00	3826	190.00	1447	284.00	1260	404.00	1803
98.00	39784	191.00	4341	285.00	3760	405.00	176
99.00	32464	192.00	7496	286.00	181	411.00	253
100.00	2575	193.00	8533	289.00	544	413.00	215
101.00	18336	194.00	3186	291.00	711	414.00	213
102.00	1330	195.00	2383	292.00	1618	416.00	438
103.00	8590	196.00	23744	293.00	2868	417.00	169
104.00	11842	198.00	723712	294.00	688	421.00	3132
105.00	10716	199.00	46560	296.00	40584	422.00	3023
107.00	126552	200.00	3588	297.00	6077	423.00	29288
108.00	21456	201.00	4308	299.00	903	424.00	5138
110.00	229376	203.00	7332	300.00	462	425.00	1603
111.00	34384	204.00	29632	301.00	672	426.00	609
112.00	2892	205.00	29064	302.00	1505	427.00	672
113.00	1979	206.00	188160	303.00	5204	428.00	937
114.00	221	207.00	25624	304.00	2343	429.00	810

Report Date: 05-Dec-2012 11:40:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12
Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205001.D\8270 _9.rslt\spectra.d
Injection Date: 05-Dec-2012 07:56:30
Spectrum: Tune Spec: Scans 1506-1508(10.03-10.05) Bgrd 1502(10.0
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 339

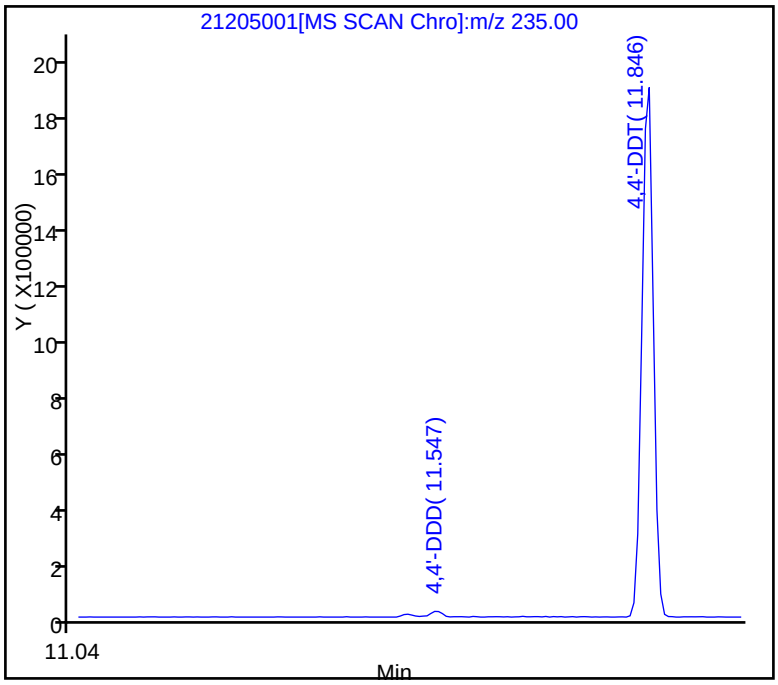
m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	95104	208.00	7733	305.00	398	430.00	847
118.00	8470	209.00	2370	307.00	208	431.00	1010
119.00	791	210.00	2760	308.00	925	432.00	1085
120.00	1496	211.00	9532	309.00	651	433.00	692
122.00	8491	212.00	662	310.00	248	434.00	1428
123.00	11171	213.00	886	311.00	231	435.00	1077
124.00	6158	214.00	591	312.00	966	436.00	952
125.00	6795	215.00	2497	313.00	959	437.00	1778
127.00	353280	216.00	2122	314.00	1138	438.00	1167
128.00	22744	217.00	46672	315.00	4590	439.00	2159
129.00	138432	218.00	7600	316.00	2075	441.00	14528
130.00	10246	219.00	2044	317.00	869	442.00	507968
131.00	1867	221.00	39928	318.00	331	443.00	107896
132.00	329	222.00	4659	319.00	409	444.00	10246
133.00	1205	224.00	100576	320.00	255	445.00	610
134.00	4596	225.00	25192	321.00	2031	462.00	177
135.00	11635	227.00	37472	322.00	2101	497.00	190
136.00	4407	228.00	6754	323.00	15013		

Breakdown Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205001.D		
Injection Date:	05-Dec-2012 07:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

170 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

170 4,4'-DDT, Area = 2113806
165 4,4'-DDD, Area = 25301
166 4,4'-DDE, Area = 4057

%Breakdown: 1.37%, Max Limit: 20.00%
Passed

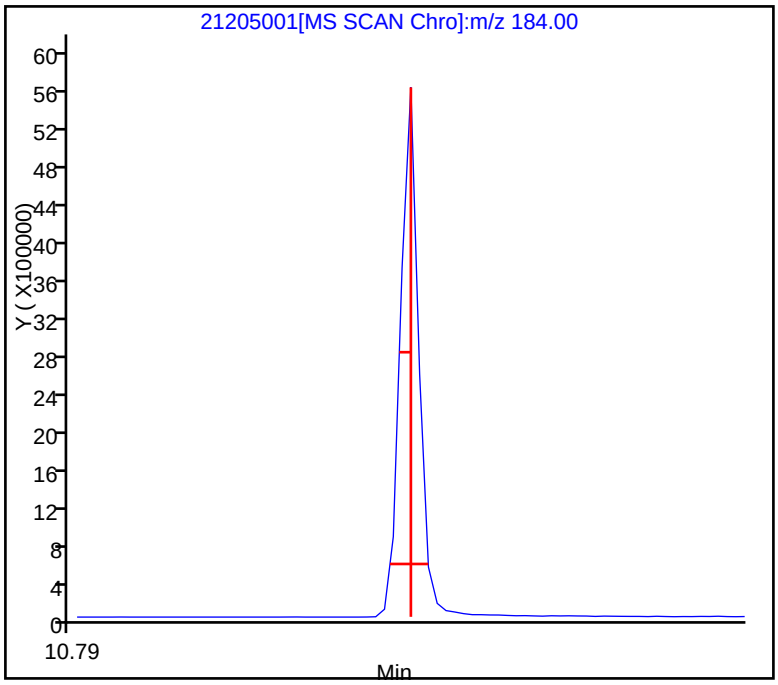
Report Date: 05-Dec-2012 11:40:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205001.D		
Injection Date:	05-Dec-2012 07:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

160 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

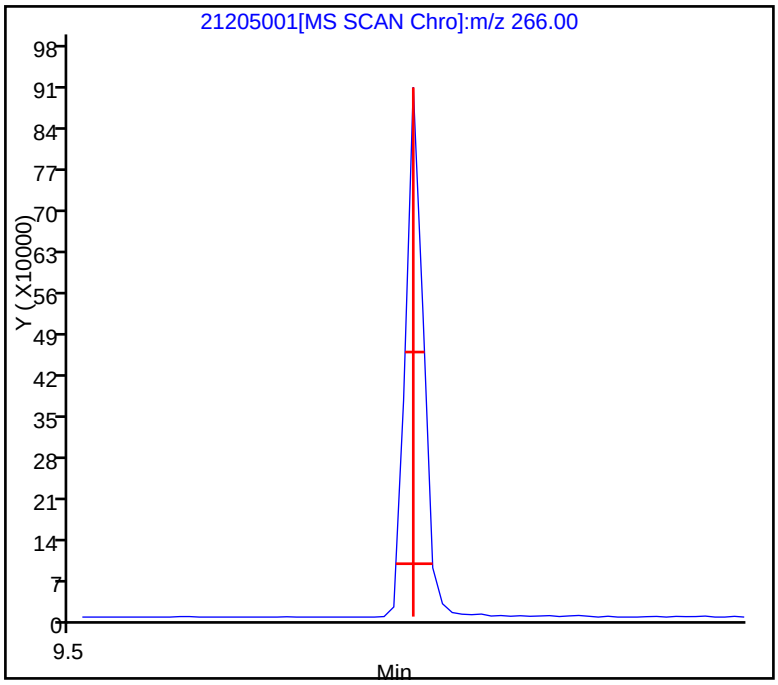
Report Date: 05-Dec-2012 11:40:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

Peak Tailing Report

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205001.D		
Injection Date:	05-Dec-2012 07:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	1
Operator ID:	001574	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

143 Pentachlorophenol, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.1, Max. Tailing < 5.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65893/5-A

Matrix: Water | Lab File ID: 21129004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1000(mL) | Date Analyzed: 11/29/2012 10:13

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.: 66717 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	0.10	U	0.20	0.10	0.10
208-96-8	Acenaphthylene	0.10	U	0.20	0.10	0.10
120-12-7	Anthracene	0.10	U	0.20	0.10	0.10
56-55-3	Benzo[a]anthracene	0.10	U	0.20	0.10	0.10
50-32-8	Benzo[a]pyrene	0.10	U	0.20	0.10	0.10
205-99-2	Benzo[b]fluoranthene	0.10	U	0.20	0.10	0.10
191-24-2	Benzo[g,h,i]perylene	0.10	U	0.20	0.10	0.10
65-85-0	Benzoic acid	10	U	25	10	10
207-08-9	Benzo[k]fluoranthene	0.10	U	0.20	0.10	0.10
100-51-6	Benzyl alcohol	0.80	U	5.0	0.80	0.38
111-91-1	Bis(2-chloroethoxy)methane	0.80	U	1.0	0.80	0.32
111-44-4	Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	0.10
108-60-1	bis (2-chloroisopropyl) ether	0.80	U	1.0	0.80	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	0.80	U	2.0	0.80	0.80
101-55-3	4-Bromophenyl phenyl ether	0.80	U	2.0	0.80	0.80
85-68-7	Butyl benzyl phthalate	0.80	U	1.0	0.80	0.80
86-74-8	Carbazole	0.80	U	1.0	0.80	0.28
106-47-8	4-Chloroaniline	0.80	U	2.0	0.80	0.80
59-50-7	4-Chloro-3-methylphenol	0.80	U	2.0	0.80	0.80
91-58-7	2-Chloronaphthalene	0.10	U	1.0	0.10	0.10
95-57-8	2-Chlorophenol	0.80	U	1.0	0.80	0.29
7005-72-3	4-Chlorophenyl phenyl ether	0.80	U	2.0	0.80	0.30
218-01-9	Chrysene	0.10	U	0.20	0.10	0.10
53-70-3	Dibenz(a,h)anthracene	0.10	U	0.20	0.10	0.10
132-64-9	Dibenzofuran	0.10	U	1.0	0.10	0.10
95-50-1	1,2-Dichlorobenzene	0.80	U	1.0	0.80	0.29
541-73-1	1,3-Dichlorobenzene	0.80	U	1.0	0.80	0.80
106-46-7	1,4-Dichlorobenzene	0.80	U	1.0	0.80	0.34
91-94-1	3,3'-Dichlorobenzidine	0.80	U	5.0	0.80	0.37
120-83-2	2,4-Dichlorophenol	0.80	U	2.0	0.80	0.80
84-66-2	Diethyl phthalate	0.80	U	1.0	0.80	0.60
105-67-9	2,4-Dimethylphenol	0.80	U	2.0	0.80	0.80
131-11-3	Dimethyl phthalate	0.80	U	1.0	0.80	0.29
84-74-2	Di-n-butyl phthalate	0.80	U	1.0	0.80	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65893/5-A

Matrix: Water | Lab File ID: 21129004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1000(mL) | Date Analyzed: 11/29/2012 10:13

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.: 66717 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	2.4	U	5.0	2.4	2.4
51-28-5	2,4-Dinitrophenol	2.4	U	5.0	2.4	2.4
121-14-2	2,4-Dinitrotoluene	0.80	U	5.0	0.80	0.27
606-20-2	2,6-Dinitrotoluene	0.80	U	5.0	0.80	0.80
117-84-0	Di-n-octyl phthalate	0.80	U	1.0	0.80	0.80
206-44-0	Fluoranthene	0.10	U	0.20	0.10	0.10
86-73-7	Fluorene	0.10	U	0.20	0.10	0.10
118-74-1	Hexachlorobenzene	0.10	U	0.20	0.10	0.10
87-68-3	Hexachlorobutadiene	0.80	U	1.0	0.80	0.27
77-47-4	Hexachlorocyclopentadiene	0.80	U	10	0.80	0.80
67-72-1	Hexachloroethane	0.80	U	1.0	0.80	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.10	U	0.20	0.10	0.10
78-59-1	Isophorone	0.80	U	1.0	0.80	0.27
91-57-6	2-Methylnaphthalene	0.10	U	0.20	0.10	0.10
95-48-7	2-Methylphenol	0.80	U	1.0	0.80	0.80
15831-10-4	3 & 4 Methylphenol	0.80	U	2.0	0.80	0.80
91-20-3	Naphthalene	0.10	U	0.20	0.10	0.10
88-74-4	2-Nitroaniline	0.80	U	2.0	0.80	0.80
99-09-2	3-Nitroaniline	0.80	U	2.0	0.80	0.28
100-01-6	4-Nitroaniline	0.80	U	2.0	0.80	0.80
98-95-3	Nitrobenzene	0.10	U	1.0	0.10	0.040
88-75-5	2-Nitrophenol	0.80	U	2.0	0.80	0.28
100-02-7	4-Nitrophenol	2.4	U	5.0	2.4	2.4
621-64-7	N-Nitrosodi-n-propylamine	0.80	U	1.0	0.80	0.80
86-30-6	N-Nitrosodiphenylamine	0.80	U	1.0	0.80	0.31
87-86-5	Pentachlorophenol	2.4	U	5.0	2.4	2.4
85-01-8	Phenanthrene	0.10	U	0.20	0.10	0.10
108-95-2	Phenol	0.80	U	1.0	0.80	0.60
129-00-0	Pyrene	0.10	U	0.20	0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.28
95-95-4	2,4,5-Trichlorophenol	0.80	U	5.0	0.80	0.30
88-06-2	2,4,6-Trichlorophenol	0.80	U	5.0	0.80	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65893/5-A

Matrix: Water | Lab File ID: 21129004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1000(mL) | Date Analyzed: 11/29/2012 10:13

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.: 66717 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	53		50-110
367-12-4	2-Fluorophenol (Surr)	56		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	60		40-110
4165-62-2	Phenol-d5 (Surr)	60		10-115
1718-51-0	Terphenyl-d14 (Surr)	66		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	62		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129004.D
Lims ID: MB 240-65893/5-A Client ID:
Inject. Date: 29-Nov-2012 10:13:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015374-004
Misc. Info.: mb 240-65893/5-a
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 66717 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\8270_hp7.m
Last Update: 30-Nov-2012 13:29:30 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: XAWRK032

First Level Reviewer: gruberj Date: 29-Nov-2012 10:41:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.806	5.806	0.0	96	142632	4.00	
* 2 Naphthalene-d8	136	6.929	6.929	0.0	99	548774	4.00	
* 3 Acenaphthene-d10	164	8.427	8.427	0.0	91	317821	4.00	
* 4 Phenanthrene-d10	188	9.679	9.684	-0.005	97	547599	4.00	
* 5 Chrysene-d12	240	12.171	12.171	0.0	98	566160	4.00	
* 6 Perylene-d12	264	14.188	14.193	-0.005	95	476709	4.00	
$ 7 2-Fluorophenol	112	4.528	4.528	0.0	94	369874	8.39	
$ 8 Phenol-d5	99	5.459	5.459	0.0	96	500871	8.95	
$ 9 Nitrobenzene-d5	82	6.298	6.298	0.0	90	288344	5.98	
$ 10 2-Fluorobiphenyl (Surr)	172	7.844	7.844	0.0	99	543021	5.27	
$ 11 2,4,6-Tribromophenol	330	9.090	9.090	0.0	93	122710	9.33	
$ 12 Terphenyl-d14	244	11.021	11.021	0.0	99	695430	6.63	
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					
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					
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		2.180					9
25 N-Nitrosodimethylamine	74		2.608					
26 Pyridine	79		2.667					9
232 1-Methyl-2-pyrrilidinone	99		3.271					14
27 Ethyl methacrylate	69		3.389					9
18 Dimethylformamide	73		3.545					9
28 3-Chloropropionitrile	54		3.817					
30 2-Picoline	93		3.964					9
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66		4.207					
33 Acrylamide	71	4.293	4.349	-0.056	1	72	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.528	4.536	-0.008	0	3836	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
37 2-Methylcyclohexanone	68	5.373	5.376	-0.003	1	388	0	
40 Benzaldehyde	77		5.405					9
38 3-Methylcyclohexanone	69	5.426	5.414	0.012	1	422	0	
39 4-Methylcyclohexanone	55	5.459	5.462	-0.003	38	4203	0	
41 Phenol	94		5.469					9
42 Phenylmercaptan	110		5.473					
43 Aniline	93		5.501					
44 Bis(2-chloroethyl)ether	93		5.560					9
46 2-Chlorophenol	128		5.614					9
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146		5.758					9
48 1,4-Dichlorobenzene	146		5.822					9
49 Benzyl alcohol	108		5.924					9
50 1,2-Dichlorobenzene	146		5.961					
51 2-Methylphenol	108		6.020					9
52 2,2'-oxybis[1-chloropropane]	45		6.047					
53 Indene	115		6.066					9
191 3 & 4 Methylphenol	108		6.154					
56 N-Nitrosodi-n-propylamine	70		6.159					
57 Acetophenone	105		6.165					9
55 N-Nitrosopyrrolidine	100		6.216					
58 N-Nitrosomorpholine	56		6.248					9
60 Hexachloroethane	117		6.266					
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77		6.320					9
62 N-Nitrosopiperidine	114		6.521					
63 Isophorone	82		6.523					9
65 2-Nitrophenol	139		6.598					
66 1,3,5-Trichlorobenzene	180		6.609					
64 2,4-Dimethylphenol	107		6.619					
69 Benzoic acid	122		6.689					9
68 Bis(2-chloroethoxy)methane	93		6.705					9
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162		6.801					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
72 1,2,4-Trichlorobenzene	180		6.881					
73 Naphthalene	128		6.951					
74 4-Chloroaniline	127		6.988					
77 Hexachlorobutadiene	225		7.047					
75 2,6-Dichlorophenol	162		7.066					
78 1,2,3-Trichlorobenzene	180		7.074					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					
80 Quinoline	129		7.259					9
83 Caprolactam	113		7.272					
81 N-Nitrosodi-n-butylamine	84		7.328					9
82 p-Phenylene diamine	108		7.355					
84 4-Chloro-3-methylphenol	107		7.389					
93 Safrole, Total	162		7.521					
85 2-Methylnaphthalene	142		7.539					
86 1-Methylnaphthalene	142		7.625					
87 1,2,3,5-Tetrachlorobenzene	216		7.668					
88 Hexachlorocyclopentadiene	237		7.668					
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
90 2,4,6-Trichlorophenol	196		7.775					
91 2,4,5-Trichlorophenol	196		7.807					
94 2,4-Toluene diamine	121		7.914					9
96 1,2,3,4 -Tetrachlorobenzene	216		7.924					
95 1,1'-Biphenyl	154		7.930					9
98 2-Chloronaphthalene	162		7.956					
227 Isosafrole Peak 2	162		7.960					19
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65		8.031					
99 Phenyl ether	170		8.040					
101 1,4-Naphthoquinone	158		8.168					
103 Dimethyl phthalate	163		8.170					9
102 1,4-Dinitrobenzene	168		8.211					
105 2,6-Dinitrotoluene	165		8.229					9
104 1,3-Dinitrobenzene	168		8.275					
106 1,2-Dinitrobenzene	168		8.277					
107 Acenaphthylene	152		8.309					
108 3-Nitroaniline	138		8.379					
110 Acenaphthene	153		8.454					
109 2,4-Dinitrophenol	184		8.465					
111 4-Nitrophenol	109		8.497					9
112 2,4-Dinitrotoluene	165		8.572					
114 Dibenzofuran	168		8.598					
113 Pentachlorobenzene	250		8.633					
115 2,3,5,6-Tetrachlorophenol	232		8.657					
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
119 Diethyl phthalate	149		8.764					9
118 2-Naphthylamine	143		8.799					
121 4-Chlorophenyl phenyl ether	204		8.876					
124 Fluorene	166		8.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138		8.892					
120 Thionazin	97		8.901					
126 4,6-Dinitro-2-methylphenol	198		8.914					
122 N-Nitro-o-toluidine	152		8.954					9
130 N-Nitrosodiphenylamine	169		8.973					
125 Tributyl phosphate	99		8.992					9
131 Azobenzene	77		9.010					
129 1,2-Diphenylhydrazine	77		9.010					
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					
228 Diallate Peak 1	86		9.275					1
135 Phenacetin	108		9.281					
136 Phorate	121		9.286					
137 4-Bromophenyl phenyl ether	248		9.288					
139 Hexachlorobenzene	284		9.352					
230 Diallate Peak 2	86		9.356					1
140 Atrazine	200		9.406					
138 Dimethoate	87		9.430					
141 Pentachlorophenol	266		9.513					
127 4-Aminobiphenyl	169		9.575					
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178		9.700					
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
147 Anthracene	178		9.748					
149 Carbazole	167		9.871					
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149		10.128					
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					
156 Isodrin	66		10.655					
157 Fluoranthene	202		10.706					9
158 Benzidine	184		10.802					
160 Pyrene	202		10.909					
164 4,4'-DDE	246		10.962					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					9
163 4,4'-DDD	235		11.321					9
166 Butyl benzyl phthalate	149		11.481					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
168 4,4'-DDT	235		11.599					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244		12.070					
172 4,4'-Methylene bis(2-chloroanili	231		12.112					9
173 3,3'-Dichlorobenzidine	252		12.112					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
171 Bis(2-ethylhexyl) phthalate	149	12.134	12.128	0.006	85	14800	0.3341	
175 Benzo[a]anthracene	228		12.160					9
176 Chrysene	228		12.209					9
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149		13.011					
180 Benzo[b]fluoranthene	252		13.621					
181 Benzo[k]fluoranthene	252		13.663					
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252		14.113					
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		15.808					
187 Dibenz(a,h)anthracene	278		15.835					
188 Benzo[g,h,i]perylene	276		16.225					
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	3.057	3.050	0.007	1	187	0	
T 194 Octadecane (TIC)	254	6.432	6.300	0.132	1	107	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

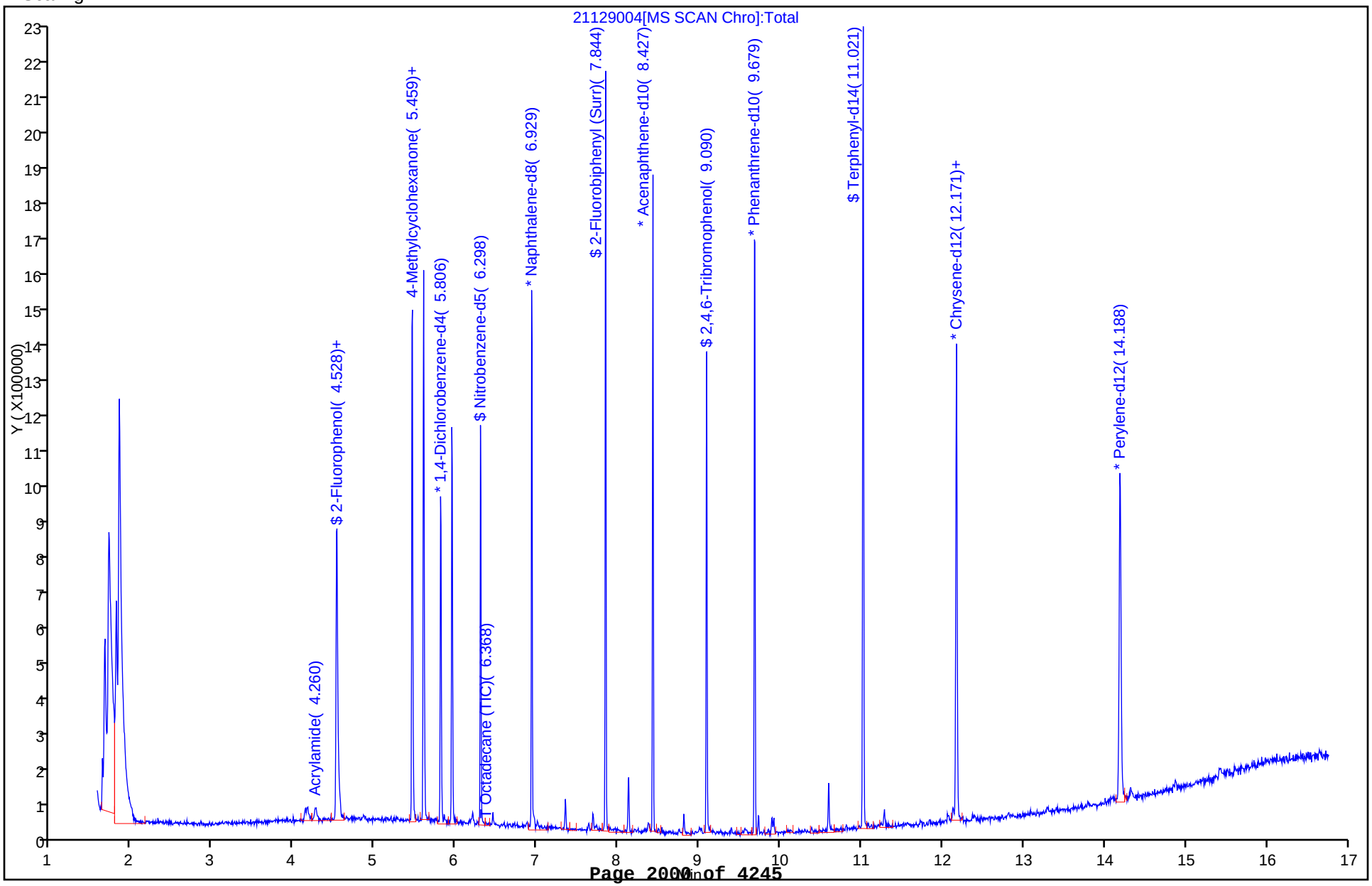
Report Date: 30-Nov-2012 13:29:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129004.D

Injection Date:	29-Nov-2012 10:13:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	Lims Sample ID:	4
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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66393/23-A

Matrix: Solid | Lab File ID: 21204004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/04/2012 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.: 67225 | 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	20.0	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66393/23-A

Matrix: Solid | Lab File ID: 21204004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/04/2012 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.: 67225 | 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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66393/23-A

Matrix: Solid | Lab File ID: 21204004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/04/2012 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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	69		45-105
367-12-4	2-Fluorophenol (Surr)	73		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	76		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	82		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	67		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204004.D
Lims ID: MB 240-66393/23-A Client ID:
Inject. Date: 04-Dec-2012 10:08:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015502-004
Misc. Info.: mb 240-66393/23-a
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 67225 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 04-Dec-2012 12:56:04 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: XAWRK009

First Level Reviewer: gruberj Date: 04-Dec-2012 10:53:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.769	5.769	0.0	97	152662	4.00	
* 2 Naphthalene-d8	136	6.893	6.892	0.001	100	569958	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	94	328998	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	579928	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	98	583468	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	96	468757	4.00	
$ 7 2-Fluorophenol	112	4.502	4.486	0.016	92	513994	10.9	
$ 8 Phenol-d5	99	5.427	5.422	0.005	96	654835	10.9	
$ 9 Nitrobenzene-d5	82	6.261	6.267	-0.006	91	382811	7.64	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	737345	6.91	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	93	137313	10.1	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	884678	8.19	
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
24 1,4-Dioxane	88		2.116					
25 N-Nitrosodimethylamine	74		2.544					
26 Pyridine	79		2.592					9
232 1-Methyl-2-pyrrilidinone	99	3.256	3.271	-0.015	0	104	0	
27 Ethyl methacrylate	69		3.325					
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.769					
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66		4.165					9
33 Acrylamide	71	4.352	4.349	0.003	20	456	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.518	4.536	-0.018	0	4538	0	
35 N-Nitrosodiethylamine	102		4.868					9
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77		5.368					9
37 2-Methylcyclohexanone	68	5.363	5.376	-0.013	5	265	0	
38 3-Methylcyclohexanone	69	5.422	5.414	0.008	34	79755	0	
41 Phenol	94		5.432					9
39 4-Methylcyclohexanone	55	5.427	5.462	-0.035	39	5180	0	
43 Aniline	93		5.464					9
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93		5.523					9
46 2-Chlorophenol	128		5.577					9
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146		5.721					
48 1,4-Dichlorobenzene	146		5.785					
49 Benzyl alcohol	108		5.887					9
50 1,2-Dichlorobenzene	146		5.924					
51 2-Methylphenol	108		5.983					9
52 2,2'-oxybis[1-chloropropane]	45		6.010					9
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108		6.117					
56 N-Nitrosodi-n-propylamine	70		6.122					9
57 Acetophenone	105		6.128					9
55 N-Nitrosopyrrolidine	100		6.216					9
60 Hexachloroethane	117		6.229					
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					9
61 Nitrobenzene	77		6.283					9
63 Isophorone	82		6.486					
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139		6.561					
66 1,3,5-Trichlorobenzene	180		6.572					
64 2,4-Dimethylphenol	107		6.582					
69 Benzoic acid	122		6.652					9
68 Bis(2-chloroethoxy)methane	93		6.668					9
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162		6.764					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180		6.844					
70 alpha,alpha-Dimethyl phenethylam	58		6.863					
73 Naphthalene	128		6.914					9
74 4-Chloroaniline	127		6.951					
77 Hexachlorobutadiene	225		7.015					
78 1,2,3-Trichlorobenzene	180		7.037					
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					9
79 Benzothiazole	135		7.195					
83 Caprolactam	113		7.240					
80 Quinoline	129		7.259					
81 N-Nitrosodi-n-butylamine	84		7.328					
84 4-Chloro-3-methylphenol	107		7.352					
82 p-Phenylene diamine	108		7.355					
85 2-Methylnaphthalene	142		7.508					
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142		7.593					
87 1,2,3,5-Tetrachlorobenzene	216		7.636					
88 Hexachlorocyclopentadiene	237		7.636					
90 2,4,6-Trichlorophenol	196		7.738					
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
91 2,4,5-Trichlorophenol	196		7.770					
94 2,4-Toluene diamine	121		7.882					9
96 1,2,3,4 -Tetrachlorobenzene	216		7.887					
95 1,1'-Biphenyl	154		7.898					9
98 2-Chloronaphthalene	162		7.919					
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					
100 2-Nitroaniline	65		8.000					
99 Phenyl ether	170		8.040					
103 Dimethyl phthalate	163		8.139					9
101 1,4-Naphthoquinone	158		8.168					
105 2,6-Dinitrotoluene	165		8.198					9
102 1,4-Dinitrobenzene	168		8.211					
106 1,2-Dinitrobenzene	168		8.246					
107 Acenaphthylene	152		8.272					
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138		8.342					
110 Acenaphthene	153		8.417					
109 2,4-Dinitrophenol	184		8.427					
111 4-Nitrophenol	109		8.465					9
112 2,4-Dinitrotoluene	165		8.534					
114 Dibenzofuran	168		8.561					
115 2,3,5,6-Tetrachlorophenol	232		8.620					
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149		8.727					9
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					
118 2-Naphthylamine	143		8.799					
121 4-Chlorophenyl phenyl ether	204		8.839					
124 Fluorene	166		8.850					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138		8.855					
126 4,6-Dinitro-2-methylphenol	198		8.877					
120 Thionazin	97		8.901					9
130 N-Nitrosodiphenylamine	169		8.936					
122 N-Nitro-o-toluidine	152		8.954					
131 Azobenzene	77		8.973					
129 1,2-Diphenylhydrazine	77		8.973					
125 Tributyl phosphate	99		8.992					
128 Diphenylamine	169		9.040					9
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					
137 4-Bromophenyl phenyl ether	248		9.257					
228 Diallate Peak 1	86		9.275					14
135 Phenacetin	108		9.281					
136 Phorate	121		9.286					
139 Hexachlorobenzene	284		9.315					
230 Diallate Peak 2	86		9.356					14
140 Atrazine	200		9.369					
138 Dimethoate	87		9.430					
141 Pentachlorophenol	266		9.476					
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					
146 Phenanthrene	178		9.663					9
147 Anthracene	178		9.711					9
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167		9.834					
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149		10.096					
152 Diphenylsulfone	125		10.169					
153 Ethyl Parathion	97		10.366					
154 4-Nitroquinoline-1-oxide	190		10.420					
155 Methapyrilene	58		10.463					
156 Isodrin	66		10.655					
157 Fluoranthene	202		10.669					
158 Benzidine	184		10.765					
160 Pyrene	202		10.866					
164 4,4'-DDE	246		10.925					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					19
161 p-Dimethylamino azobenzene	225		11.233					
163 4,4'-DDD	235		11.246					9
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149		11.439					9
165 Famphur	218		11.522					
168 4,4'-DDT	235		11.551					9
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244		12.022					
172 4,4'-Methylene bis(2-chloroanili	231		12.059					9
173 3,3'-Dichlorobenzidine	252		12.059					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	76	11668	0.3007	
175 Benzo[a]anthracene	228		12.107					9
176 Chrysene	228		12.150					9
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149		12.952					
180 Benzo[b]fluoranthene	252		13.551					
181 Benzo[k]fluoranthene	252		13.594					
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252		14.038					
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		15.723					
187 Dibenz(a,h)anthracene	278		15.750					
188 Benzo[g,h,i]perylene	276		16.135					
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 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.036	3.050	-0.014	1	245	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

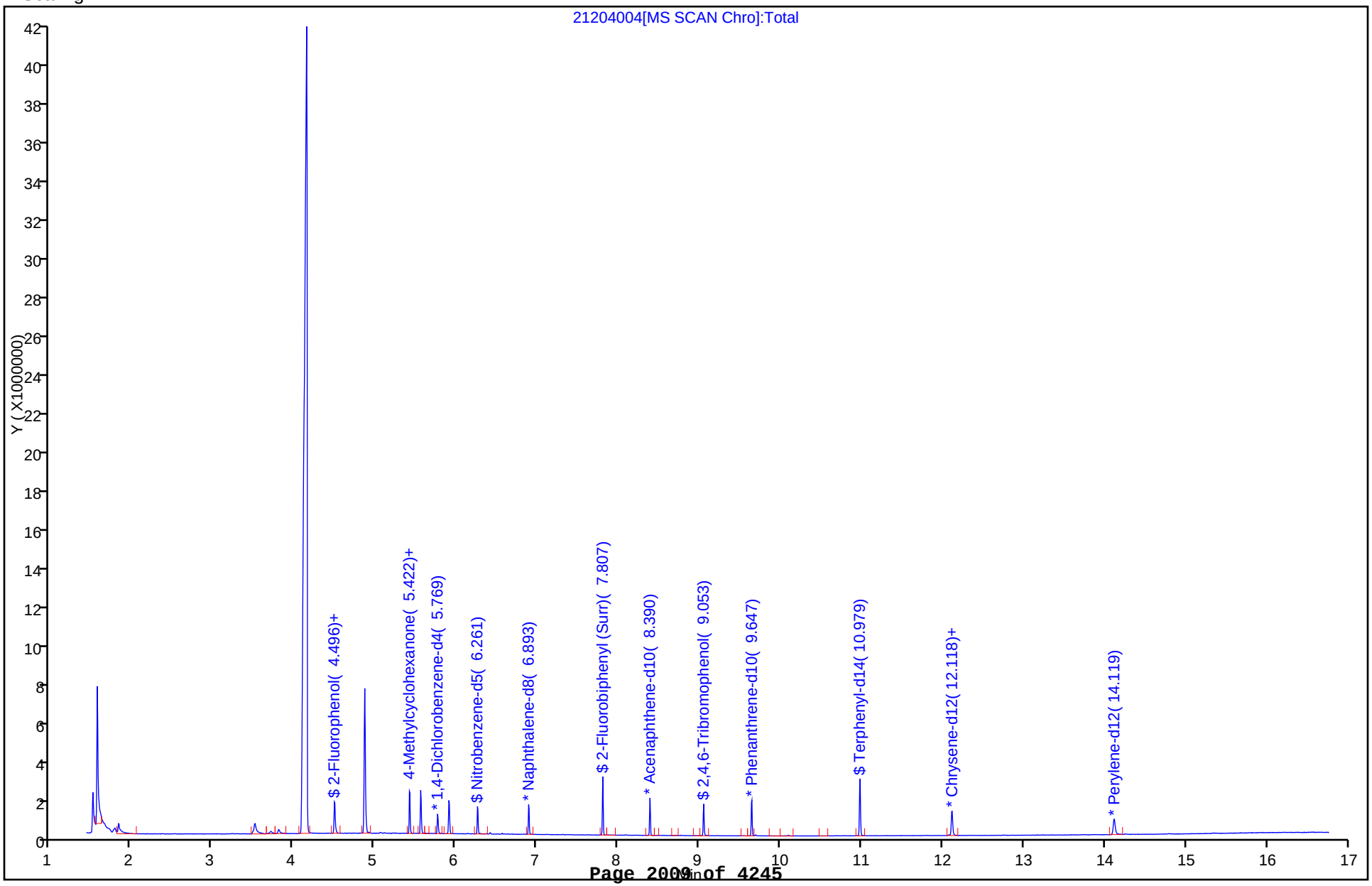
Report Date: 04-Dec-2012 12:56:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204004.D

Injection Date:	04-Dec-2012 10:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	4
Operator ID:	001710	Injection Vol:	1.0 ul
Column Type:	5% phenyl	Column Dia:	0.18 mm

Y Scaling:



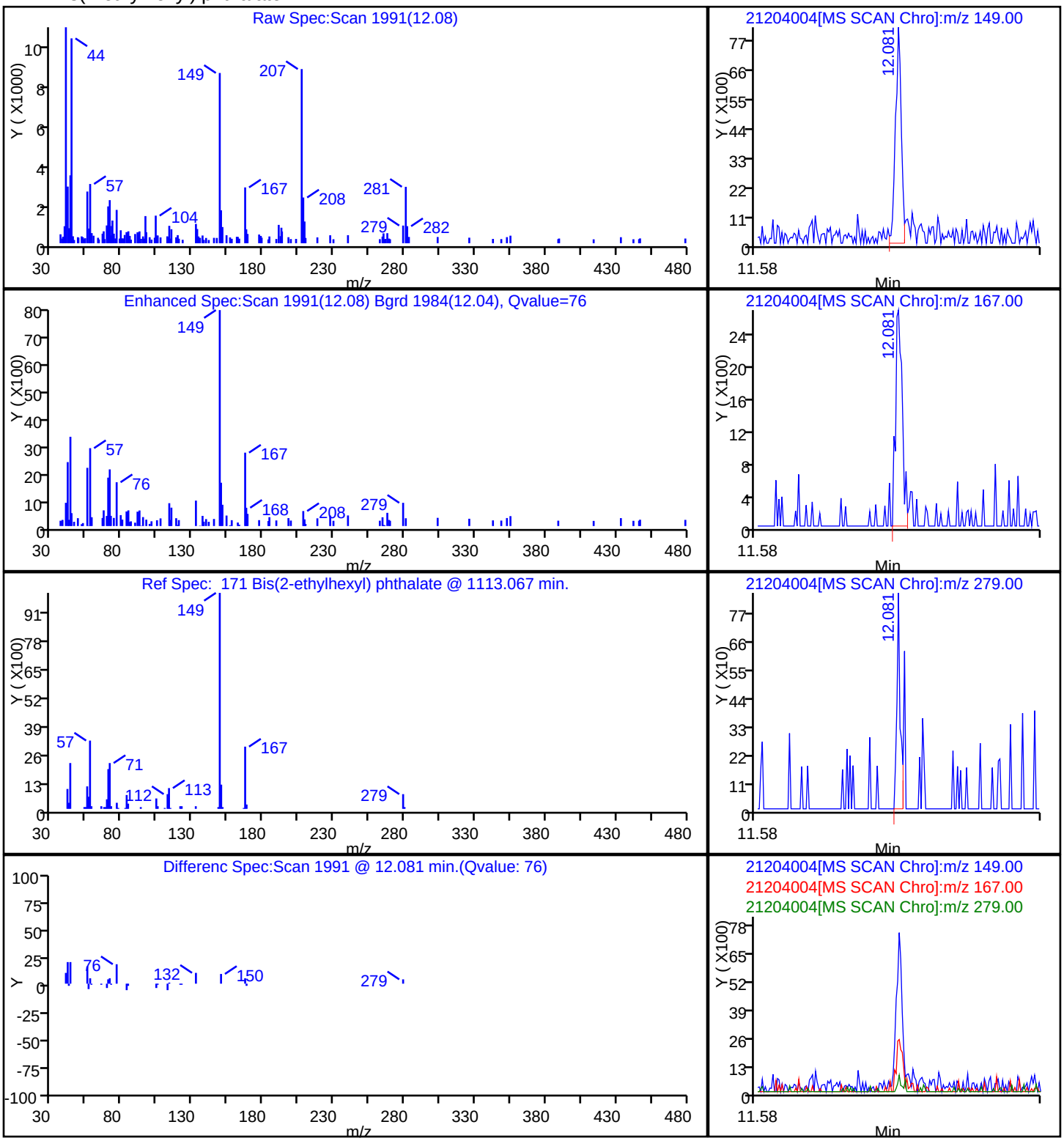
Report Date: 04-Dec-2012 12:56:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204004.D

Injection Date:	04-Dec-2012 10:08:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

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

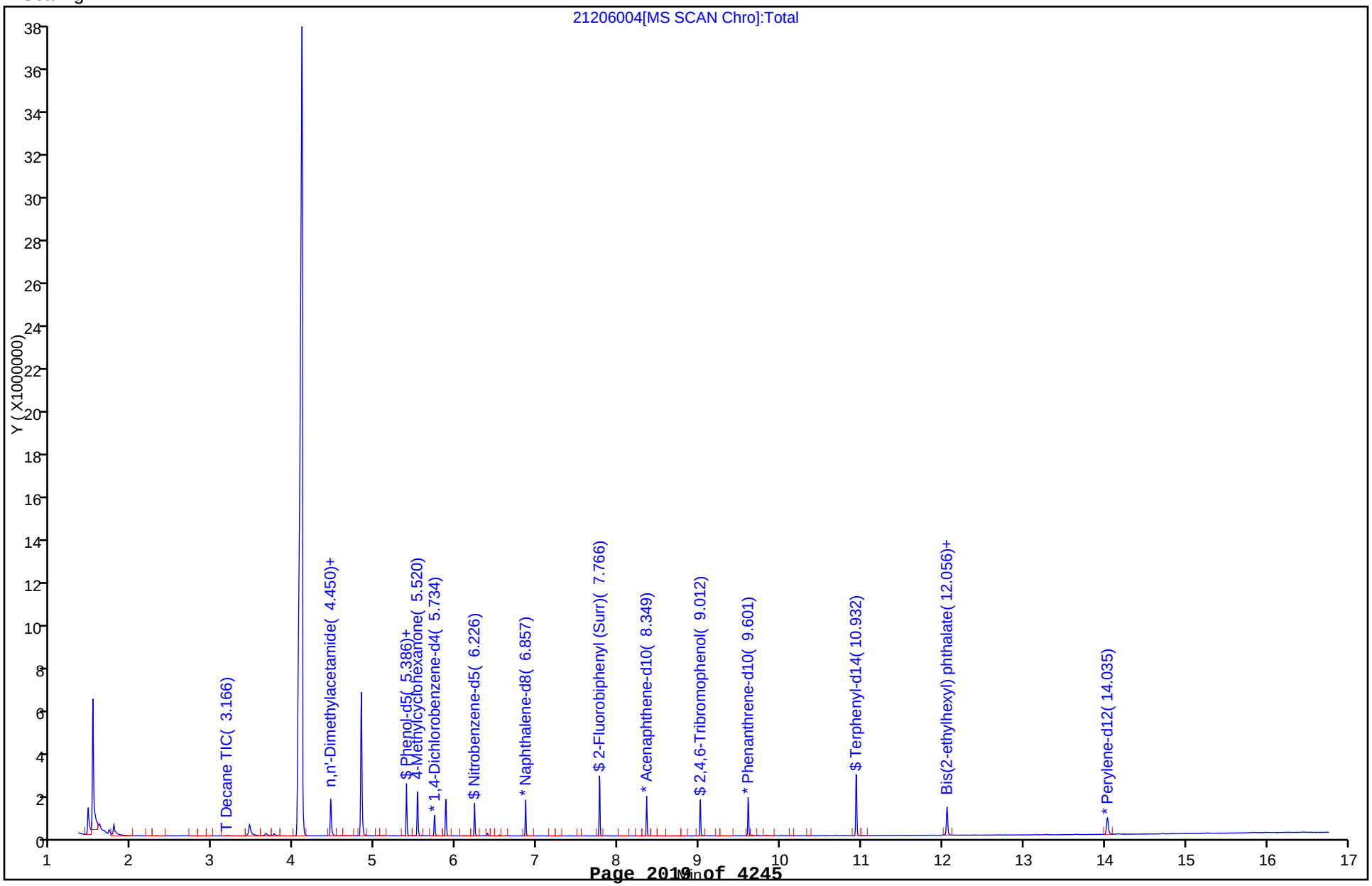
Report Date: 07-Dec-2012 12:54:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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:



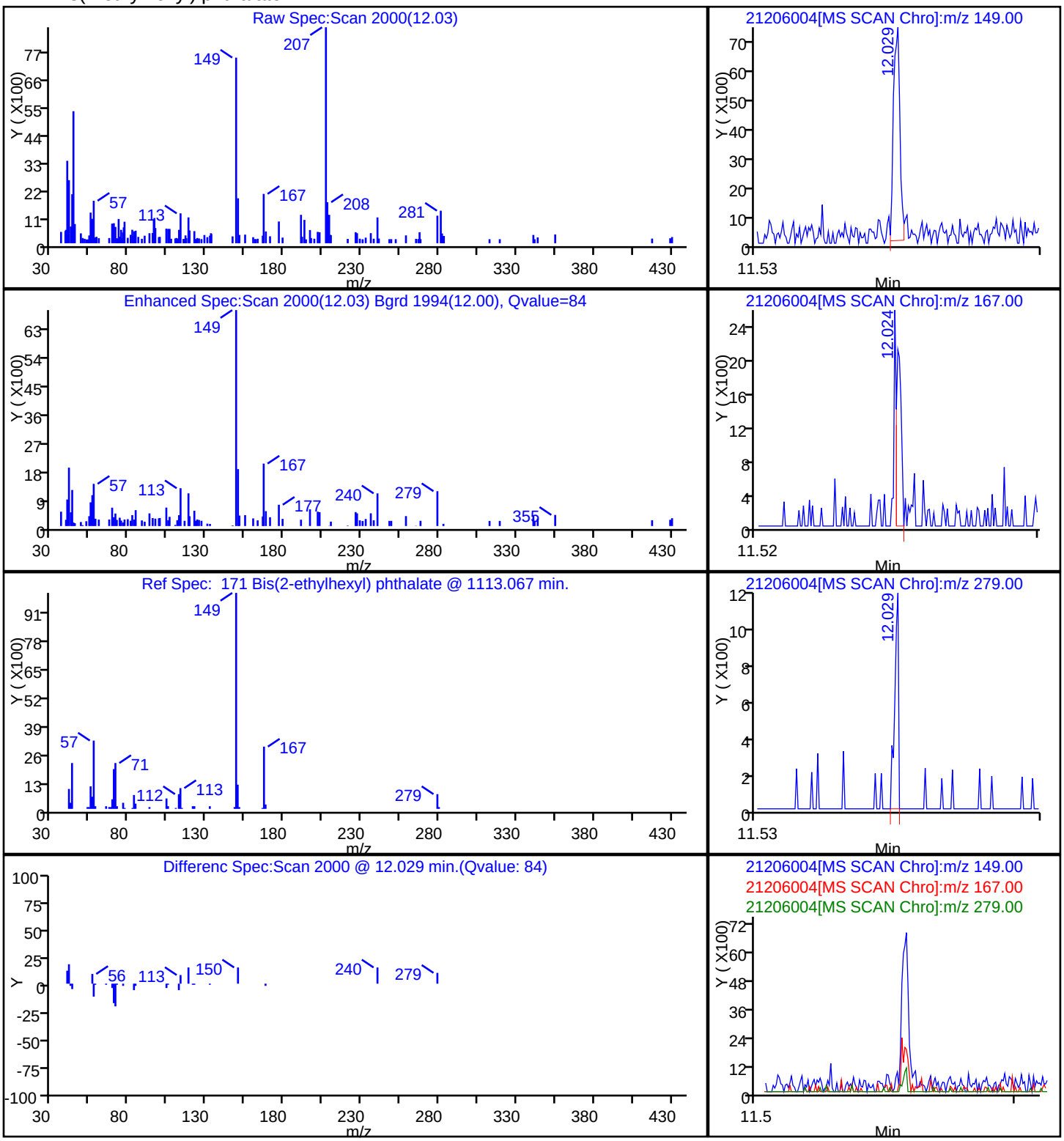
Report Date: 07-Dec-2012 12:54:40 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66734/4-A

Matrix: Solid | Lab File ID: 21205006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/29/2012 09:51

Sample wt/vol: 30.00(g) | Date Analyzed: 12/05/2012 10:12

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.: 67368 | 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	27	U	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66734/4-A

Matrix: Solid | Lab File ID: 21205006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/29/2012 09:51

Sample wt/vol: 30.00(g) | Date Analyzed: 12/05/2012 10:12

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.: 67368 | 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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-66734/4-A

Matrix: Solid | Lab File ID: 21205006.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/29/2012 09:51

Sample wt/vol: 30.00(g) | Date Analyzed: 12/05/2012 10:12

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.: 67368 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	73		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	83		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	57		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205006.D
Lims ID: MB 240-66734/4-A Client ID:
Inject. Date: 05-Dec-2012 10:12:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015535-006
Misc. Info.: MB 240-66734/4-A =MB 240-66734/4-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 67368 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 05-Dec-2012 15:38:24 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.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: 05-Dec-2012 10:53:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.998	5.998	0.0	86	158275	4.00	
* 2 Naphthalene-d8	136	7.109	7.109	0.0	99	661648	4.00	
* 3 Acenaphthene-d10	164	8.599	8.605	-0.006	62	413366	4.00	
* 4 Phenanthrene-d10	188	9.865	9.865	0.0	95	729427	4.00	
* 5 Chrysene-d12	240	12.456	12.456	0.0	78	699298	4.00	
* 6 Perylene-d12	264	14.572	14.572	0.0	77	554699	4.00	
$ 7 2-Fluorophenol	112	4.774	4.764	0.010	93	715481	11.5	
$ 8 Phenol-d5	99	5.640	5.640	0.0	0	1060564	11.8	
$ 9 Nitrobenzene-d5	82	6.478	6.478	0.0	83	742846	7.34	
$ 10 2-Fluorobiphenyl (Surr)	172	8.012	8.012	0.0	95	914301	6.66	
$ 11 2,4,6-Tribromophenol	330	9.267	9.267	0.0	84	137707	8.60	
$ 12 Terphenyl-d14	244	11.227	11.228	-0.001	81	1185899	8.28	
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
34 Methyl methanesulfonate	80		2.587					9
25 1,4-Dioxane	88		2.632					
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74		3.118					9
27 Pyridine	79		3.172					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69		3.770					
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					9
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					9
29 3-Chloropropionitrile	54		4.128					9
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
33 Malononitrile	66		4.507					9
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					9
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					9
81 Benzothiazole	135		5.046					9
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					9
41 Benzaldehyde	77		5.608					9
43 Phenol	94		5.650					9
103 1,4-Naphthoquinone	158		5.680					
44 Aniline	93		5.698					
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
69 Bis(2-chloroethyl)ether	93		5.747					9
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
46 2-Chlorophenol	128		5.805					9
47 1,3-Dichlorobenzene	146		5.950					9
48 1,4-Dichlorobenzene	146		6.014					9
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108		6.104					9
50 1,2-Dichlorobenzene	146		6.147					
117 1-Naphthylamine	143		6.166					
51 2-Methylphenol	108		6.190					9
119 2,3,4,6-Tetrachlorophenol	232		6.203					
53 2,2'-oxybis[1-chloropropane]	45		6.222					9
120 2-Naphthylamine	143		6.225					
122 Thionazin	97		6.305					9
21 3 & 4 Methylphenol	108		6.318					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 N-Nitrosodi-n-propylamine	70		6.334					
58 Acetophenone	105		6.345					
124 N-Nitro-o-toluidine	152		6.358					9
127 Tributyl phosphate	99		6.379					9
130 Diphenylamine	169		6.428					
61 Hexachloroethane	117		6.452					
62 Nitrobenzene	77		6.494					
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					9
230 Diallate Peak 2	86		6.695					
64 Isophorone	82		6.697					
140 Dimethoate	87		6.764					
66 2-Nitrophenol	139		6.772					9
67 1,3,5-Trichlorobenzene	180		6.783					
65 2,4-Dimethylphenol	107		6.783					9
71 Benzoic acid	122		6.842					9
70 Bis(2-chloroethoxy)methane	93		6.868					9
129 4-Aminobiphenyl	169		6.892					
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					
73 2,4-Dichlorophenol	162		6.970					
146 Disulfoton	88		7.010					9
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180		7.050					9
75 Naphthalene	128		7.125					9
76 4-Chloroaniline	127		7.157					
79 Hexachlorobutadiene	225		7.221					
80 1,2,3-Trichlorobenzene	180		7.248					
152 Methyl parathion	109		7.282					
84 Caprolactam	113		7.440					
86 4-Chloro-3-methylphenol	107		7.547					
155 Ethyl Parathion	97		7.560					
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					
157 Methapyrilene	58		7.645					
87 2-Methylnaphthalene	142		7.712					
88 1-Methylnaphthalene	142		7.798					
158 Isodrin	66		7.816					9
90 1,2,3,5-Tetrachlorobenzene	216		7.841					
89 Hexachlorocyclopentadiene	237		7.841					
92 2,4,6-Trichlorophenol	196		7.942					9
93 2,4,5-Trichlorophenol	196		7.974					9
97 2,4-Toluene diamine	121		8.086					9
99 1,2,3,4 -Tetrachlorobenzene	216		8.097					
98 1,1'-Biphenyl	154		8.102					
100 2-Chloronaphthalene	162		8.129					
226 Aramite Peak 1	185		8.131					9
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65		8.204					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163		8.337					9
107 2,6-Dinitrotoluene	165		8.396					9
108 1,2-Dinitrobenzene	168		8.450					
167 Famphur	218		8.473					
109 Acenaphthylene	152		8.487					9
169 3,3'-Dimethylbenzidine	212		8.516					
110 3-Nitroaniline	138		8.546					
111 2,4-Dinitrophenol	184		8.631					149
112 Acenaphthene	153		8.631					9
113 4-Nitrophenol	109		8.658					9
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165		8.738					
116 Dibenzofuran	168		8.775					
118 2,3,5,6-Tetrachlorophenol	232		8.829					
121 Diethyl phthalate	149		8.930					9
123 4-Chlorophenyl phenyl ether	204		9.048					
125 4-Nitroaniline	138		9.064					
126 Fluorene	166		9.064					9
128 4,6-Dinitro-2-methylphenol	198		9.085					
131 N-Nitrosodiphenylamine	169		9.144					
132 1,2-Diphenylhydrazine	77		9.187					
133 Azobenzene	77		9.187					
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248		9.470					
141 Hexachlorobenzene	284		9.529					
179 6-Methylchrysene	242		9.576					
142 Atrazine	200		9.577					
143 Pentachlorophenol	266		9.689					
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178		9.887					9
149 Anthracene	178		9.929					9
151 Carbazole	167		10.052					9
154 Di-n-butyl phthalate	149		10.309					9
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202		10.902					9
160 Benzidine	184		10.998					
161 Pyrene	202		11.115					9
166 4,4'-DDE	246		11.168					9
165 4,4'-DDD	235		11.547					
168 Butyl benzyl phthalate	149		11.719					9
187 Dibenz[a,h]acridine	279		11.729					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.846					
172 3,3'-Dimethoxybenzidine	244		12.339					
174 4,4'-Methylene bis(2-chloroanili	231		12.387					9
175 3,3'-Dichlorobenzidine	252		12.387					
173 Bis(2-ethylhexyl) phthalate	149		12.403					
177 Benzo[a]anthracene	228		12.446					9
178 Chrysene	228		12.494					9
180 Di-n-octyl phthalate	149		13.332					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
182 Benzo[b]fluoranthene	252		13.979					9
183 Benzo[k]fluoranthene	252		14.021					9
184 Benzo[a]pyrene	252		14.492					9
188 Indeno[1,2,3-cd]pyrene	276		16.271					
189 Dibenz(a,h)anthracene	278		16.297					
190 Benzo[g,h,i]perylene	276		16.741					
S 191 Methyl Phenols,Total	100		0.000					7
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					1
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					
T 235 4-isopropylphenol TIC	121		4.756					
T 236 3-isopropylphenol TIC	121		4.756					
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					1
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					1
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

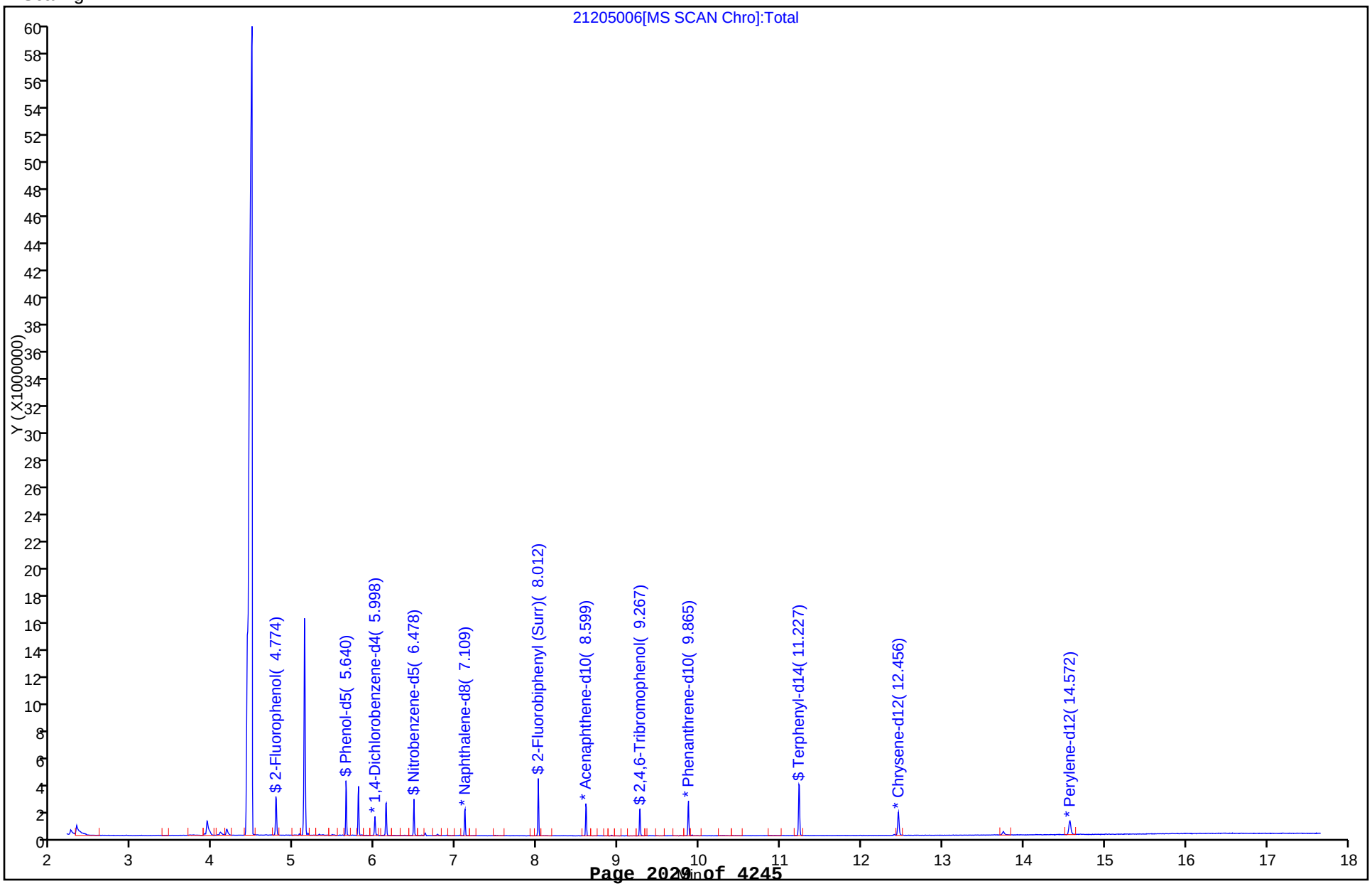
Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 05-Dec-2012 15:38:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205006.D		
Injection Date:	05-Dec-2012 10:12:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	6
Operator ID:	001574	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-67600/22-A

Matrix: Solid | Lab File ID: 21211007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 30.00(g) | Date Analyzed: 12/11/2012 12:44

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.: 68148 | 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	27	U	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-67600/22-A

Matrix: Solid | Lab File ID: 21211007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 30.00(g) | Date Analyzed: 12/11/2012 12:44

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.: 68148 | 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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-67600/22-A

Matrix: Solid | Lab File ID: 21211007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 30.00(g) | Date Analyzed: 12/11/2012 12:44

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.: 68148 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	63		45-105
367-12-4	2-Fluorophenol (Surr)	61		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	65		35-100
4165-62-2	Phenol-d5 (Surr)	66		40-100
1718-51-0	Terphenyl-d14 (Surr)	90		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	52		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211007.D
Lims ID: MB 240-67600/22-A Client ID:
Inject. Date: 11-Dec-2012 12:44:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015716-007
Misc. Info.: mb 240-67600/22-a
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 68148 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\8270_hp7.m
Last Update: 12-Dec-2012 09:45:45 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: XAWRK017

First Level Reviewer: gruberj Date: 11-Dec-2012 13:17:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.702	5.702	0.0	95	158269	4.00	
* 2 Naphthalene-d8	136	6.826	6.826	0.0	99	614341	4.00	
* 3 Acenaphthene-d10	164	8.318	8.318	0.0	92	351364	4.00	
* 4 Phenanthrene-d10	188	9.575	9.575	0.0	98	617376	4.00	
* 5 Chrysene-d12	240	12.014	12.014	0.0	98	614220	4.00	
* 6 Perylene-d12	264	13.977	13.977	0.0	97	457861	4.00	
$ 7 2-Fluorophenol	112	4.403	4.397	0.006	92	448649	9.17	
$ 8 Phenol-d5	99	5.355	5.349	0.006	96	610447	9.83	
$ 9 Nitrobenzene-d5	82	6.194	6.194	0.0	89	351494	6.51	
$ 10 2-Fluorobiphenyl (Surr)	172	7.740	7.740	0.0	100	719535	6.31	
$ 11 2,4,6-Tribromophenol	330	8.981	8.981	0.0	91	113949	7.84	
$ 12 Terphenyl-d14	244	10.901	10.906	-0.005	99	1025470	9.01	
13 Bis(2-hydroxyphenyl)methane	1		0.000					
21 Octachlorostyrene	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
14 4-Methylcatechol	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
15 Catechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
24 1,4-Dioxane	88		1.969					9
25 N-Nitrosodimethylamine	74		2.391					
26 Pyridine	79		2.429					9
27 Ethyl methacrylate	69		3.172					
232 1-Methyl-2-pyrrilidinone	99		3.271					1
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54		3.654					
30 2-Picoline	93		3.659					
31 N-Nitrosomethylethylamine	88		3.836					
32 Malononitrile	66		4.076					9
33 Acrylamide	71	4.167	4.168	-0.001	35	246	0	
34 Methyl methanesulfonate	80		4.210					
29 3-Picoline	93		4.264					
233 n,n'-Dimethylacetamide	44	4.317	4.306	0.011	0	616	0	
35 N-Nitrosodiethylamine	102		4.654					
36 Ethyl methanesulfonate	79		4.970					9
37 2-Methylcyclohexanone	68	5.189	5.178	0.011	17	65	0	
38 3-Methylcyclohexanone	69	5.205	5.216	-0.011	32	27196	0	
39 4-Methylcyclohexanone	55	5.264	5.264	0.0	16	3706	0	
40 Benzaldehyde	77		5.296					9
42 Phenylmercaptan	110		5.323					
41 Phenol	94		5.365					9
43 Aniline	93		5.392					9
45 Pentachloroethane	167		5.440					
44 Bis(2-chloroethyl)ether	93		5.456					9
46 2-Chlorophenol	128		5.504					9
47 1,3-Dichlorobenzene	146		5.649					
48 1,4-Dichlorobenzene	146		5.718					
49 Benzyl alcohol	108		5.820					
50 1,2-Dichlorobenzene	146		5.852					9
51 2-Methylphenol	108		5.916					
53 Indene	115		5.922					9
52 2,2'-oxybis[1-chloropropane]	45		5.943					9
55 N-Nitrosopyrrolidine	100		6.039					
191 3 & 4 Methylphenol	108		6.050					
57 Acetophenone	105		6.061					
56 N-Nitrosodi-n-propylamine	70		6.061					
58 N-Nitrosomorpholine	56		6.077					9
59 2-Toluidine	106		6.093					9
60 Hexachloroethane	117		6.157					
61 Nitrobenzene	77		6.216					9
62 N-Nitrosopiperidine	114		6.344					
63 Isophorone	82		6.419					9
65 2-Nitrophenol	139		6.494					
66 1,3,5-Trichlorobenzene	180		6.505					
64 2,4-Dimethylphenol	107		6.521					
67 o,o',o''-Triethylphosphorothioat	198		6.574					
69 Benzoic acid	122		6.590					9
68 Bis(2-chloroethoxy)methane	93		6.601					
71 2,4-Dichlorophenol	162		6.697					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.719					9
72 1,2,4-Trichlorobenzene	180		6.777					
73 Naphthalene	128		6.847					9
74 4-Chloroaniline	127		6.884					
75 2,6-Dichlorophenol	162		6.895					
76 Hexachloropropene	213		6.922					
77 Hexachlorobutadiene	225		6.943					
78 1,2,3-Trichlorobenzene	180		6.970					
79 Benzothiazole	135		7.056					9
80 Quinoline	129		7.120					
81 N-Nitrosodi-n-butylamine	84		7.163					9
83 Caprolactam	113		7.173					
82 p-Phenylene diamine	108		7.184					
84 4-Chloro-3-methylphenol	107		7.285					
93 Safrole, Total	162		7.355					
85 2-Methylnaphthalene	142		7.435					
86 1-Methylnaphthalene	142		7.521					
87 1,2,3,5-Tetrachlorobenzene	216		7.564					
88 Hexachlorocyclopentadiene	237		7.564					
89 1,2,4,5-Tetrachlorobenzene	216		7.574					
225 Isosafrole Peak 1	162		7.601					
90 2,4,6-Trichlorophenol	196		7.671					
91 2,4,5-Trichlorophenol	196		7.697					
227 Isosafrole Peak 2	162		7.788					
94 2,4-Toluene diamine	121		7.810					9
96 1,2,3,4 -Tetrachlorobenzene	216		7.820					9
95 1,1'-Biphenyl	154		7.826					9
97 3,4-Dichloronitrobenzene	109		7.848					9
98 2-Chloronaphthalene	162		7.852					
99 Phenyl ether	170		7.907					
100 2-Nitroaniline	65		7.927					
101 1,4-Naphthoquinone	158		7.997					
102 1,4-Dinitrobenzene	168		8.045					
103 Dimethyl phthalate	163		8.072					
104 1,3-Dinitrobenzene	168		8.104					
105 2,6-Dinitrotoluene	165		8.131					
106 1,2-Dinitrobenzene	168		8.179					
107 Acenaphthylene	152		8.205					
108 3-Nitroaniline	138		8.275					
110 Acenaphthene	153		8.350					
109 2,4-Dinitrophenol	184		8.361					
111 4-Nitrophenol	109		8.398					9
113 Pentachlorobenzene	250		8.457					
112 2,4-Dinitrotoluene	165		8.467					
114 Dibenzofuran	168		8.494					
115 2,3,5,6-Tetrachlorophenol	232		8.553					
116 1-Naphthylamine	143		8.559					
117 2,3,4,6-Tetrachlorophenol	232		8.591					
118 2-Naphthylamine	143		8.623					
119 Diethyl phthalate	149		8.660					9
120 Thionazin	97		8.730					
121 4-Chlorophenyl phenyl ether	204		8.772					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
124 Fluorene	166		8.783					
122 N-Nitro-o-toluidine	152		8.783					
123 4-Nitroaniline	138		8.788					
126 4,6-Dinitro-2-methylphenol	198		8.810					
125 Tributyl phosphate	99		8.826					
130 N-Nitrosodiphenylamine	169		8.869					
128 Diphenylamine	169		8.869					
129 1,2-Diphenylhydrazine	77		8.906					
131 Azobenzene	77		8.906					
132 Sulfotepp	202		8.981					
133 1,3,5-Trinitrobenzene	213		9.083					
228 Diallate Peak 1	86		9.104					
135 Phenacetin	108		9.115					
136 Phorate	121		9.115					
230 Diallate Peak 2	86		9.179					
137 4-Bromophenyl phenyl ether	248		9.184					9
139 Hexachlorobenzene	284		9.243					
138 Dimethoate	87		9.254					
140 Atrazine	200		9.302					
141 Pentachlorophenol	266		9.403					
127 4-Aminobiphenyl	169		9.404					
143 Pentachloronitrobenzene	237		9.414					
142 Pronamide	173		9.436					
145 Dinoseb	211		9.543					
144 Disulfoton	88		9.548					9
146 Phenanthrene	178		9.596					
147 Anthracene	178		9.639					
149 Carbazole	167		9.762					
150 Methyl parathion	109		9.869					
152 Diphenylsulfone	125		10.025					
151 Di-n-butyl phthalate	149		10.029					9
153 Ethyl Parathion	97		10.190					9
154 4-Nitroquinoline-1-oxide	190		10.238					
155 Methapyrilene	58		10.286					
156 Isodrin	66		10.468					
157 Fluoranthene	202		10.596					
158 Benzidine	184		10.693					
160 Pyrene	202		10.789					
164 4,4'-DDE	246		10.852					9
226 Aramite Peak 1	185		10.869					
229 Aramite Peak 2	185		10.933					
161 p-Dimethylamino azobenzene	225		11.030					
162 Chlorobenzilate	139		11.062					
163 4,4'-DDD	235		11.194					9
165 Famphur	218		11.302					
166 Butyl benzyl phthalate	149		11.356					9
167 3,3'-Dimethylbenzidine	212		11.356					
168 4,4'-DDT	235		11.462					9
169 2-Acetylaminofluorene	181		11.623					
170 3,3'-Dimethoxybenzidine	244		11.923					
173 3,3'-Dichlorobenzidine	252		11.960					
172 4,4'-Methylene bis(2-chloroanili	231		11.960					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
171 Bis(2-ethylhexyl) phthalate	149	11.982	11.987	-0.005	86	6780	0.2519	
175 Benzo[a]anthracene	228		12.003					9
174 Hexabromobenzene	232		12.020					
176 Chrysene	228		12.046					9
177 6-Methylchrysene	242		12.597					
178 Di-n-octyl phthalate	149		12.843					9
179 7,12-Dimethylbenz(a)anthracene	256		13.410					
180 Benzo[b]fluoranthene	252		13.426					
181 Benzo[k]fluoranthene	252		13.463					
182 Benzo[a]pyrene	252		13.902					9
183 3-Methylcholanthrene	268		14.410					9
184 Dibenz[a,j]acridine	279		15.208					
185 Dibenz[a,h]acridine	279		15.277					
186 Indeno[1,2,3-cd]pyrene	276		15.570					
187 Dibenz(a,h)anthracene	278		15.597					
188 Benzo[g,h,i]perylene	276		15.966					
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	3.044	3.124	-0.006	25	100	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
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

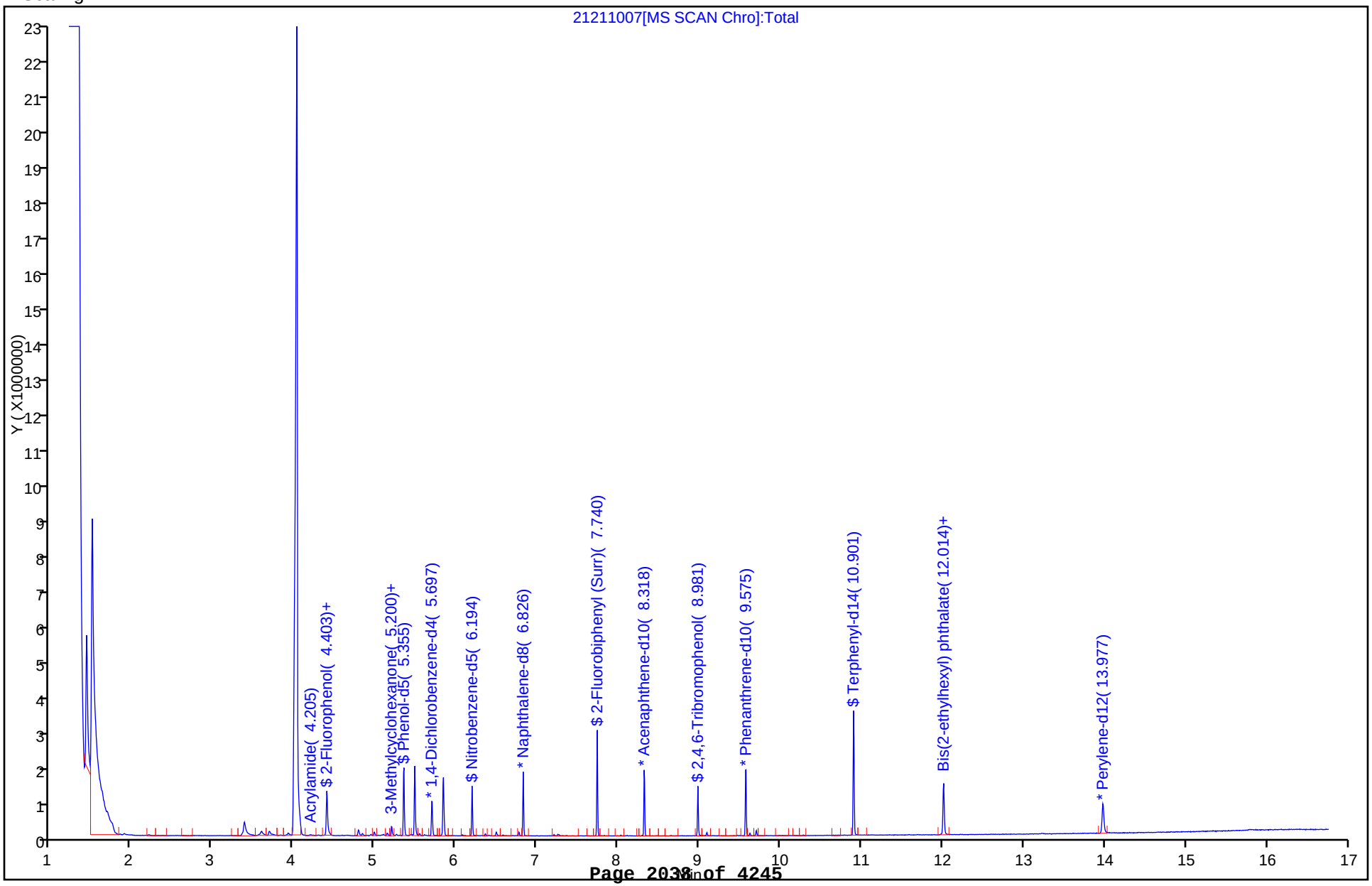
Report Date: 12-Dec-2012 09:45:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211007.D

Injection Date:	11-Dec-2012 12:44:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65893/6-A

Matrix: Water | Lab File ID: 21129005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1000(mL) | Date Analyzed: 11/29/2012 10:37

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.: 66717 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	13.4		0.20	0.10	0.10
208-96-8	Acenaphthylene	13.7		0.20	0.10	0.10
120-12-7	Anthracene	13.8		0.20	0.10	0.10
56-55-3	Benzo[a]anthracene	13.9		0.20	0.10	0.10
50-32-8	Benzo[a]pyrene	11.5		0.20	0.10	0.10
205-99-2	Benzo[b]fluoranthene	14.0		0.20	0.10	0.10
191-24-2	Benzo[g,h,i]perylene	14.5		0.20	0.10	0.10
65-85-0	Benzoic acid	10	U	25	10	10
207-08-9	Benzo[k]fluoranthene	13.0		0.20	0.10	0.10
100-51-6	Benzyl alcohol	14.3		5.0	0.80	0.38
111-91-1	Bis(2-chloroethoxy)methane	14.0		1.0	0.80	0.32
111-44-4	Bis(2-chloroethyl)ether	13.6		1.0	0.10	0.10
108-60-1	bis (2-chloroisopropyl) ether	13.9		1.0	0.80	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	12.4		2.0	0.80	0.80
101-55-3	4-Bromophenyl phenyl ether	14.4		2.0	0.80	0.80
85-68-7	Butyl benzyl phthalate	14.1		1.0	0.80	0.80
86-74-8	Carbazole	14.4		1.0	0.80	0.28
106-47-8	4-Chloroaniline	13.1		2.0	0.80	0.80
59-50-7	4-Chloro-3-methylphenol	15.3		2.0	0.80	0.80
91-58-7	2-Chloronaphthalene	12.7		1.0	0.10	0.10
95-57-8	2-Chlorophenol	13.8		1.0	0.80	0.29
7005-72-3	4-Chlorophenyl phenyl ether	13.7		2.0	0.80	0.30
218-01-9	Chrysene	14.6		0.20	0.10	0.10
53-70-3	Dibenz(a,h)anthracene	12.9		0.20	0.10	0.10
132-64-9	Dibenzofuran	13.2		1.0	0.10	0.10
95-50-1	1,2-Dichlorobenzene	11.0		1.0	0.80	0.29
541-73-1	1,3-Dichlorobenzene	10.8		1.0	0.80	0.80
106-46-7	1,4-Dichlorobenzene	11.0		1.0	0.80	0.34
91-94-1	3,3'-Dichlorobenzidine	8.46		5.0	0.80	0.37
120-83-2	2,4-Dichlorophenol	15.0		2.0	0.80	0.80
84-66-2	Diethyl phthalate	14.7		1.0	0.80	0.60
105-67-9	2,4-Dimethylphenol	11.3		2.0	0.80	0.80
131-11-3	Dimethyl phthalate	14.4		1.0	0.80	0.29
84-74-2	Di-n-butyl phthalate	15.2		1.0	0.80	0.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65893/6-A

Matrix: Water | Lab File ID: 21129005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1000(mL) | Date Analyzed: 11/29/2012 10:37

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.: 66717 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	14.9		5.0	2.4	2.4
51-28-5	2,4-Dinitrophenol	14.4		5.0	2.4	2.4
121-14-2	2,4-Dinitrotoluene	15.4		5.0	0.80	0.27
606-20-2	2,6-Dinitrotoluene	15.0		5.0	0.80	0.80
117-84-0	Di-n-octyl phthalate	11.6		1.0	0.80	0.80
206-44-0	Fluoranthene	14.7		0.20	0.10	0.10
86-73-7	Fluorene	13.0		0.20	0.10	0.10
118-74-1	Hexachlorobenzene	13.8		0.20	0.10	0.10
87-68-3	Hexachlorobutadiene	11.6		1.0	0.80	0.27
77-47-4	Hexachlorocyclopentadiene	6.49	J	10	0.80	0.80
67-72-1	Hexachloroethane	11.3		1.0	0.80	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	13.3		0.20	0.10	0.10
78-59-1	Isophorone	15.5		1.0	0.80	0.27
91-57-6	2-Methylnaphthalene	12.8		0.20	0.10	0.10
95-48-7	2-Methylphenol	13.5		1.0	0.80	0.80
15831-10-4	3 & 4 Methylphenol	27.1		2.0	0.80	0.80
91-20-3	Naphthalene	12.7		0.20	0.10	0.10
88-74-4	2-Nitroaniline	15.8		2.0	0.80	0.80
99-09-2	3-Nitroaniline	14.8		2.0	0.80	0.28
100-01-6	4-Nitroaniline	14.4		2.0	0.80	0.80
98-95-3	Nitrobenzene	14.6		1.0	0.10	0.040
88-75-5	2-Nitrophenol	15.5		2.0	0.80	0.28
100-02-7	4-Nitrophenol	14.7		5.0	2.4	2.4
621-64-7	N-Nitrosodi-n-propylamine	14.6		1.0	0.80	0.80
86-30-6	N-Nitrosodiphenylamine	13.5		1.0	0.80	0.31
87-86-5	Pentachlorophenol	13.5		5.0	2.4	2.4
85-01-8	Phenanthrene	13.5		0.20	0.10	0.10
108-95-2	Phenol	14.3		1.0	0.80	0.60
129-00-0	Pyrene	13.6		0.20	0.10	0.10
120-82-1	1,2,4-Trichlorobenzene	11.4		1.0	0.80	0.28
95-95-4	2,4,5-Trichlorophenol	14.2		5.0	0.80	0.30
88-06-2	2,4,6-Trichlorophenol	14.7		5.0	0.80	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65893/6-A

Matrix: Water | Lab File ID: 21129005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3520C | Date Extracted: 11/21/2012 09:42

Sample wt/vol: 1000(mL) | Date Analyzed: 11/29/2012 10:37

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.: 66717 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		50-110
367-12-4	2-Fluorophenol (Surr)	68		20-110
4165-60-0	Nitrobenzene-d5 (Surr)	76		40-110
4165-62-2	Phenol-d5 (Surr)	71		10-115
1718-51-0	Terphenyl-d14 (Surr)	72		50-135
118-79-6	2,4,6-Tribromophenol (Surr)	78		40-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129005.D
Lims ID: LCS 240-65893/6-A Client ID:
Inject. Date: 29-Nov-2012 10:37:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015374-005
Misc. Info.: lcs 240-65893/6-a
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 66717 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\8270_hp7.m
Last Update: 30-Nov-2012 13:29:30 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: XAWRK032

First Level Reviewer: gruberj Date: 29-Nov-2012 15:04:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.806	5.806	0.0	95	148615	4.00	
* 2 Naphthalene-d8	136	6.935	6.929	0.006	99	556952	4.00	
* 3 Acenaphthene-d10	164	8.427	8.427	0.0	93	329665	4.00	
* 4 Phenanthrene-d10	188	9.684	9.684	0.0	98	570529	4.00	
* 5 Chrysene-d12	240	12.171	12.171	0.0	91	591883	4.00	
* 6 Perylene-d12	264	14.188	14.193	-0.005	96	509529	4.00	
$ 7 2-Fluorophenol	112	4.528	4.528	0.0	94	471509	10.3	
$ 8 Phenol-d5	99	5.459	5.459	0.0	97	619042	10.6	
$ 9 Nitrobenzene-d5	82	6.298	6.298	0.0	89	370078	7.56	
$ 10 2-Fluorobiphenyl (Surr)	172	7.844	7.844	0.0	99	680264	6.36	
$ 11 2,4,6-Tribromophenol	330	9.090	9.090	0.0	92	160022	11.7	
$ 12 Terphenyl-d14	244	11.021	11.021	0.0	99	790488	7.21	
24 1,4-Dioxane	88	2.175	2.180	-0.005	94	108812	6.31	
25 N-Nitrosodimethylamine	74	2.613	2.608	0.005	89	202007	6.92	
26 Pyridine	79	2.683	2.667	0.016	95	32003	0.6475	
30 2-Picoline	93		3.964					9
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.405	5.405	0.0	94	294834	7.61	
41 Phenol	94	5.469	5.469	0.0	99	444655	7.15	
43 Aniline	93	5.501	5.501	0.0	96	389324	5.01	
44 Bis(2-chloroethyl)ether	93	5.560	5.560	0.0	94	325628	6.78	
46 2-Chlorophenol	128	5.614	5.614	0.0	92	347405	6.92	
47 1,3-Dichlorobenzene	146	5.758	5.758	0.0	97	291216	5.38	
48 1,4-Dichlorobenzene	146	5.822	5.822	0.0	91	295716	5.50	
49 Benzyl alcohol	108	5.924	5.924	0.0	91	221848	7.17	
50 1,2-Dichlorobenzene	146	5.961	5.961	0.0	88	281872	5.50	
51 2-Methylphenol	108	6.020	6.020	0.0	96	305479	6.74	
52 2,2'-oxybis[1-chloropropane]	45	6.047	6.047	0.0	90	491366	6.97	
191 3 & 4 Methylphenol	108	6.154	6.154	0.0	92	644778	13.6	
56 N-Nitrosodi-n-propylamine	70	6.159	6.159	0.0	83	245113	7.28	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 Acetophenone	105	6.165	6.165	0.0	90	450293	6.70	
60 Hexachloroethane	117	6.266	6.266	0.0	92	124062	5.67	
61 Nitrobenzene	77	6.320	6.320	0.0	85	370408	7.32	
63 Isophorone	82	6.523	6.523	0.0	97	689873	7.77	
65 2-Nitrophenol	139	6.598	6.598	0.0	95	184416	7.74	
64 2,4-Dimethylphenol	107	6.619	6.619	0.0	95	265137	5.66	
69 Benzoic acid	122	6.657	6.689	-0.032	86	76756	3.76	
68 Bis(2-chloroethoxy)methane	93	6.705	6.705	0.0	99	394535	6.99	
71 2,4-Dichlorophenol	162	6.801	6.801	0.0	95	276745	7.48	
72 1,2,4-Trichlorobenzene	180	6.876	6.881	-0.005	93	252338	5.72	
73 Naphthalene	128	6.951	6.951	0.0	97	884584	6.36	
74 4-Chloroaniline	127	6.988	6.988	0.0	87	387962	6.54	
77 Hexachlorobutadiene	225	7.047	7.047	0.0	94	139185	5.82	
80 Quinoline	129	7.234	7.259	-0.025	97	640525	7.83	
83 Caprolactam	113	7.266	7.272	-0.006	77	99944	7.01	
84 4-Chloro-3-methylphenol	107	7.389	7.389	0.0	94	303351	7.63	
93 Safrole, Total	162		7.521					
85 2-Methylnaphthalene	142	7.539	7.539	0.0	86	567794	6.38	
86 1-Methylnaphthalene	142	7.625	7.625	0.0	91	553389	6.53	
88 Hexachlorocyclopentadiene	237	7.668	7.668	0.0	92	86708	3.25	
90 2,4,6-Trichlorophenol	196	7.775	7.775	0.0	89	204460	7.36	
91 2,4,5-Trichlorophenol	196	7.807	7.807	0.0	95	213164	7.12	
95 1,1'-Biphenyl	154	7.930	7.930	0.0	95	734074	6.30	
98 2-Chloronaphthalene	162	7.956	7.956	0.0	92	577726	6.35	
100 2-Nitroaniline	65	8.031	8.031	0.0	82	211601	7.92	
103 Dimethyl phthalate	163	8.170	8.170	0.0	98	697046	7.20	
102 1,4-Dinitrobenzene	168		8.211					
105 2,6-Dinitrotoluene	165	8.229	8.229	0.0	88	164207	7.49	
104 1,3-Dinitrobenzene	168		8.275					
106 1,2-Dinitrobenzene	168	8.277	8.277	0.0	87	83997	7.82	
107 Acenaphthylene	152	8.309	8.309	0.0	91	1026654	6.83	
108 3-Nitroaniline	138	8.379	8.379	0.0	96	178870	7.38	
110 Acenaphthene	153	8.454	8.454	0.0	94	606326	6.70	
109 2,4-Dinitrophenol	184	8.465	8.465	0.0	86	85160	7.20	
111 4-Nitrophenol	109	8.497	8.497	0.0	94	102866	7.37	
112 2,4-Dinitrotoluene	165	8.572	8.572	0.0	87	226854	7.68	
114 Dibenzofuran	168	8.598	8.598	0.0	89	887888	6.62	
115 2,3,5,6-Tetrachlorophenol	232	8.657	8.657	0.0	91	178200	7.22	
117 2,3,4,6-Tetrachlorophenol	232		8.762					
119 Diethyl phthalate	149	8.759	8.764	-0.005	97	742498	7.34	
121 4-Chlorophenyl phenyl ether	204	8.876	8.876	0.0	90	348182	6.83	
124 Fluorene	166	8.887	8.887	0.0	80	701615	6.51	
123 4-Nitroaniline	138	8.892	8.892	0.0	73	189475	7.20	
126 4,6-Dinitro-2-methylphenol	198	8.914	8.914	0.0	84	136435	7.47	
130 N-Nitrosodiphenylamine	169	8.973	8.973	0.0	0	531411	6.75	
131 Azobenzene	77	9.010	9.010	0.0	99	785054	7.07	
129 1,2-Diphenylhydrazine	77	9.010	9.010	0.0	0	785898	7.08	
135 Phenacetin	108		9.281					
136 Phorate	121		9.286					
137 4-Bromophenyl phenyl ether	248	9.288	9.288	0.0	66	209960	7.22	
139 Hexachlorobenzene	284	9.352	9.352	0.0	93	207147	6.91	
140 Atrazine	200	9.406	9.406	0.0	91	193460	9.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.513	9.513	0.0	87	130014	6.75	
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.700	9.700	0.0	97	1050433	6.74	
147 Anthracene	178	9.748	9.748	0.0	97	1066803	6.89	
149 Carbazole	167	9.871	9.871	0.0	82	1085440	7.22	
151 Di-n-butyl phthalate	149	10.128	10.128	0.0	100	1284534	7.60	
157 Fluoranthene	202	10.706	10.706	0.0	97	1267482	7.36	
160 Pyrene	202	10.909	10.909	0.0	98	1282117	6.79	
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.481	11.481	0.0	97	540136	7.05	
173 3,3'-Dichlorobenzidine	252	12.112	12.112	0.0	69	269584	4.23	
171 Bis(2-ethylhexyl) phthalate	149	12.128	12.128	0.0	96	669882	6.22	
175 Benzo[a]anthracene	228	12.155	12.160	-0.005	97	1149826	6.96	
176 Chrysene	228	12.203	12.209	-0.006	95	1145346	7.28	
178 Di-n-octyl phthalate	149	13.006	13.011	-0.005	99	1027719	5.81	
180 Benzo[b]fluoranthene	252	13.621	13.621	0.0	97	1141640	7.02	
181 Benzo[k]fluoranthene	252	13.658	13.663	-0.005	99	1144568	6.48	
182 Benzo[a]pyrene	252	14.107	14.113	-0.006	73	942323	5.73	
186 Indeno[1,2,3-cd]pyrene	276	15.803	15.808	-0.005	98	1211781	6.65	
187 Dibenz(a,h)anthracene	278	15.830	15.835	-0.005	80	1002448	6.46	
188 Benzo[g,h,i]perylene	276	16.225	16.225	0.0	92	1060917	7.27	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

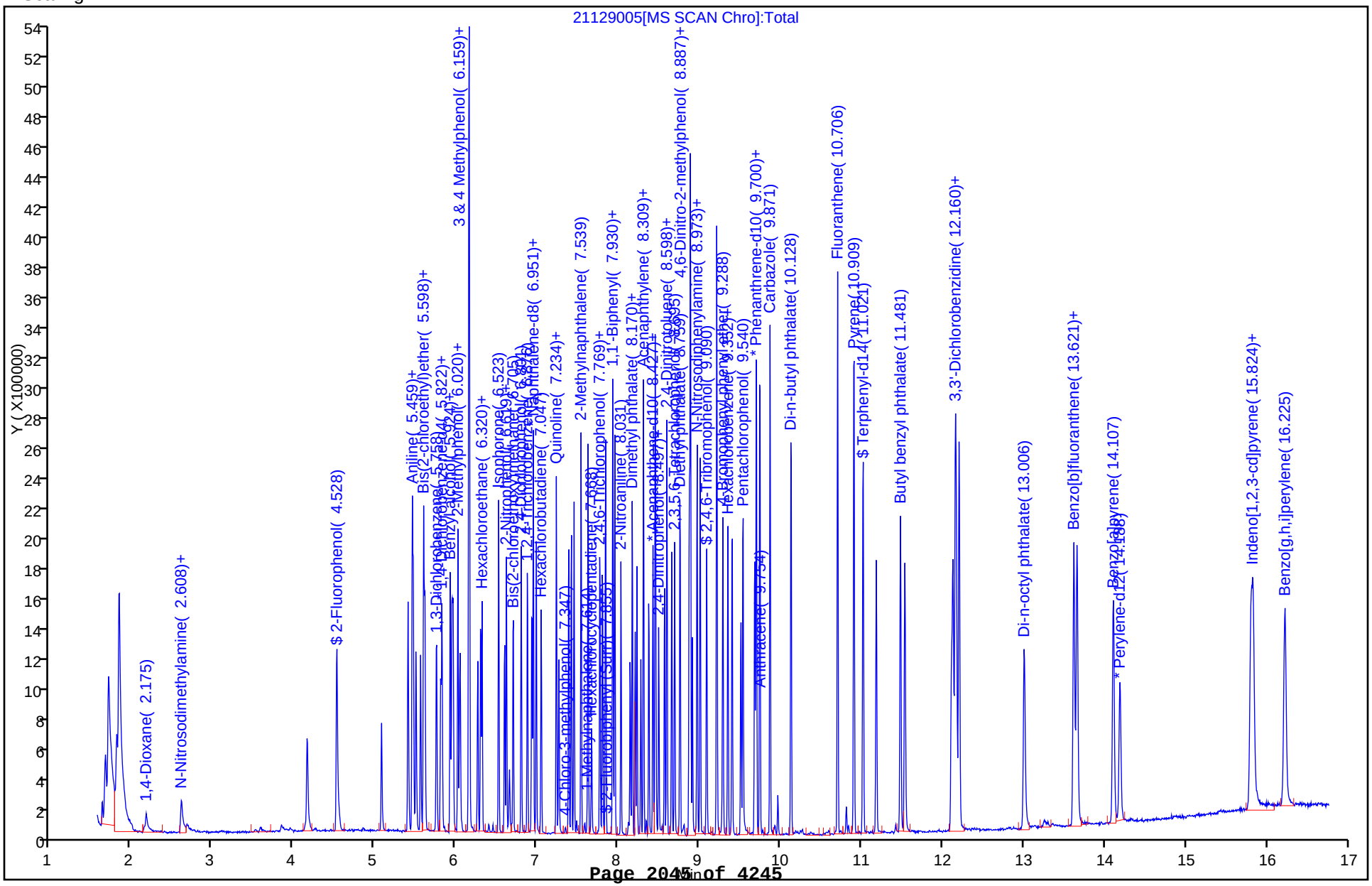
Report Date: 30-Nov-2012 13:29:54 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129005.D

Injection Date:	29-Nov-2012 10:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66393/24-A

Matrix: Solid | Lab File ID: 21204005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/04/2012 10:32

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	473		6.7	3.3	3.3
208-96-8	Acenaphthylene	468		6.7	3.3	3.3
120-12-7	Anthracene	478		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	487		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	404		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	458		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	493		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	484		6.7	3.3	3.3
100-51-6	Benzyl alcohol	435		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	458		100	27	22
111-44-4	Bis(2-chloroethyl)ether	470		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	472		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	481		50	27	19
101-55-3	4-Bromophenyl phenyl ether	505		50	27	13
85-68-7	Butyl benzyl phthalate	461		50	27	10
86-74-8	Carbazole	473		50	27	27
106-47-8	4-Chloroaniline	351		150	27	17
59-50-7	4-Chloro-3-methylphenol	502		150	27	21
91-58-7	2-Chloronaphthalene	461		50	3.3	3.3
95-57-8	2-Chlorophenol	467		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	500		50	27	13
218-01-9	Chrysene	506		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	449		6.7	3.3	3.3
132-64-9	Dibenzofuran	471		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	443		50	27	9.7
541-73-1	1,3-Dichlorobenzene	434		50	27	11
106-46-7	1,4-Dichlorobenzene	432		50	27	20
91-94-1	3,3'-Dichlorobenzidine	253		100	80	18
120-83-2	2,4-Dichlorophenol	488		150	27	20
84-66-2	Diethyl phthalate	520		50	27	16
105-67-9	2,4-Dimethylphenol	348		150	80	20
131-11-3	Dimethyl phthalate	511		50	27	17
84-74-2	Di-n-butyl phthalate	509		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66393/24-A

Matrix: Solid | Lab File ID: 21204005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/04/2012 10:32

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	452		150	80	80
51-28-5	2,4-Dinitrophenol	425		330	80	80
121-14-2	2,4-Dinitrotoluene	528		200	27	27
606-20-2	2,6-Dinitrotoluene	536		200	27	21
117-84-0	Di-n-octyl phthalate	418		50	27	27
206-44-0	Fluoranthene	493		6.7	3.3	3.3
86-73-7	Fluorene	489		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	499		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	446		50	27	27
77-47-4	Hexachlorocyclopentadiene	432		330	27	27
67-72-1	Hexachloroethane	458		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	454		6.7	3.3	3.3
78-59-1	Isophorone	488		50	27	13
91-57-6	2-Methylnaphthalene	465		6.7	3.3	3.3
95-48-7	2-Methylphenol	448		200	80	80
15831-10-4	3 & 4 Methylphenol	930		400	80	20
91-20-3	Naphthalene	466		6.7	3.3	3.3
88-74-4	2-Nitroaniline	520		200	27	9.1
99-09-2	3-Nitroaniline	486		200	80	16
100-01-6	4-Nitroaniline	461		200	27	26
98-95-3	Nitrobenzene	479		100	3.3	2.2
88-75-5	2-Nitrophenol	484		50	27	27
100-02-7	4-Nitrophenol	502		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	491		50	27	27
86-30-6	N-Nitrosodiphenylamine	463		50	27	21
87-86-5	Pentachlorophenol	407		150	80	80
85-01-8	Phenanthrene	470		6.7	3.3	3.3
108-95-2	Phenol	491		50	27	27
129-00-0	Pyrene	459		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	442		50	27	27
95-95-4	2,4,5-Trichlorophenol	513		150	27	25
88-06-2	2,4,6-Trichlorophenol	496		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66393/24-A

Matrix: Solid | Lab File ID: 21204005.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.00(g) | Date Analyzed: 12/04/2012 10:32

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		45-105
367-12-4	2-Fluorophenol (Surr)	73		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	72		35-100
4165-62-2	Phenol-d5 (Surr)	71		40-100
1718-51-0	Terphenyl-d14 (Surr)	74		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	75		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204005.D
Lims ID: LCS 240-66393/24-A Client ID:
Inject. Date: 04-Dec-2012 10:32:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015502-005
Misc. Info.: lcs 240-66393/24-a
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 67225 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 04-Dec-2012 12:56:04 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: XAWRK009

First Level Reviewer: gruberj Date: 04-Dec-2012 10:54:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.769	5.769	0.0	96	148906	4.00	
* 2 Naphthalene-d8	136	6.892	6.892	0.0	99	580962	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	93	331777	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	603040	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	91	622251	4.00	
* 6 Perylene-d12	264	14.118	14.118	0.0	93	523324	4.00	
$ 7 2-Fluorophenol	112	4.496	4.486	0.010	91	501782	10.9	
$ 8 Phenol-d5	99	5.427	5.422	0.005	96	623537	10.7	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	87	367859	7.20	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	713302	6.63	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	93	154140	11.2	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	851229	7.39	
24 1,4-Dioxane	88	2.100	2.116	-0.016	93	62765	3.63	
25 N-Nitrosodimethylamine	74	2.533	2.544	-0.011	81	177387	6.11	
26 Pyridine	79	2.587	2.592	-0.005	92	244760	4.94	
30 2-Picoline	93		3.964					9
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.368	5.368	0.0	94	282081	7.27	
41 Phenol	94	5.438	5.432	0.006	100	458553	7.36	
43 Aniline	93	5.464	5.464	0.0	97	316506	4.06	
44 Bis(2-chloroethyl)ether	93	5.523	5.523	0.0	94	338999	7.04	
46 2-Chlorophenol	128	5.577	5.577	0.0	96	352407	7.00	
47 1,3-Dichlorobenzene	146	5.721	5.721	0.0	90	353531	6.52	
48 1,4-Dichlorobenzene	146	5.785	5.785	0.0	92	349274	6.48	
49 Benzyl alcohol	108	5.892	5.887	0.005	91	202155	6.52	
50 1,2-Dichlorobenzene	146	5.924	5.924	0.0	93	341238	6.64	
51 2-Methylphenol	108	5.989	5.983	0.006	95	305351	6.72	
52 2,2'-oxybis[1-chloropropane]	45	6.010	6.010	0.0	91	500085	7.08	
191 3 & 4 Methylphenol	108	6.122	6.117	0.005	86	664338	14.0	
56 N-Nitrosodi-n-propylamine	70	6.122	6.122	0.0	88	248213	7.36	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 Acetophenone	105	6.128	6.128	0.0	83	459458	6.83	
60 Hexachloroethane	117	6.229	6.229	0.0	92	150332	6.86	
61 Nitrobenzene	77	6.283	6.283	0.0	85	379319	7.18	
63 Isophorone	82	6.486	6.486	0.0	99	678848	7.33	
65 2-Nitrophenol	139	6.561	6.561	0.0	96	180515	7.27	
64 2,4-Dimethylphenol	107	6.582	6.582	0.0	92	255063	5.22	
69 Benzoic acid	122	6.625	6.652	-0.027	83	77492	3.68	
68 Bis(2-chloroethoxy)methane	93	6.668	6.668	0.0	98	404216	6.87	
71 2,4-Dichlorophenol	162	6.764	6.764	0.0	96	282600	7.32	
72 1,2,4-Trichlorobenzene	180	6.844	6.844	0.0	90	305496	6.64	
73 Naphthalene	128	6.914	6.914	0.0	97	1015177	6.99	
74 4-Chloroaniline	127	6.951	6.951	0.0	84	325612	5.26	
77 Hexachlorobutadiene	225	7.015	7.015	0.0	93	166891	6.69	
83 Caprolactam	113	7.229	7.240	-0.011	75	103731	6.98	
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.352	7.352	0.0	95	312054	7.53	
85 2-Methylnaphthalene	142	7.508	7.508	0.0	90	647100	6.97	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.593	7.593	0.0	91	616536	6.98	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	93	174149	6.48	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	93	207974	7.44	
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	95	231761	7.69	
95 1,1'-Biphenyl	154	7.898	7.898	0.0	94	791796	6.76	
98 2-Chloronaphthalene	162	7.919	7.919	0.0	97	633481	6.91	
100 2-Nitroaniline	65	8.000	8.000	0.0	77	209714	7.80	
103 Dimethyl phthalate	163	8.139	8.139	0.0	98	746408	7.66	
105 2,6-Dinitrotoluene	165	8.198	8.198	0.0	75	178112	8.04	
102 1,4-Dinitrobenzene	168		8.211					
106 1,2-Dinitrobenzene	168	8.246	8.246	0.0	89	85447	7.90	
107 Acenaphthylene	152	8.272	8.272	0.0	96	1061681	7.02	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.342	8.342	0.0	94	177658	7.28	
110 Acenaphthene	153	8.417	8.417	0.0	94	646346	7.10	
109 2,4-Dinitrophenol	184	8.428	8.427	0.001	77	71475	6.38	
111 4-Nitrophenol	109	8.465	8.465	0.0	95	105855	7.53	
112 2,4-Dinitrotoluene	165	8.534	8.534	0.0	91	235745	7.91	
114 Dibenzofuran	168	8.561	8.561	0.0	88	954772	7.07	
115 2,3,5,6-Tetrachlorophenol	232	8.625	8.620	0.005	91	173483	6.99	
119 Diethyl phthalate	149	8.727	8.727	0.0	97	794153	7.80	
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	92	384794	7.50	
124 Fluorene	166	8.850	8.850	0.0	92	795476	7.33	
123 4-Nitroaniline	138	8.855	8.855	0.0	84	182863	6.92	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	82	129320	6.78	
130 N-Nitrosodiphenylamine	169	8.936	8.936	0.0	0	578193	6.95	
131 Azobenzene	77	8.973	8.973	0.0	99	835900	7.12	
129 1,2-Diphenylhydrazine	77	8.973	8.973	0.0	0	835900	7.12	
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	64	233064	7.58	
135 Phenacetin	108		9.281					
136 Phorate	121		9.286					9
139 Hexachlorobenzene	284	9.315	9.315	0.0	91	236997	7.48	
140 Atrazine	200	9.369	9.369	0.0	91	206331	9.12	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.476	9.476	0.0	86	123355	6.10	
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.663	9.663	0.0	97	1160303	7.04	
147 Anthracene	178	9.706	9.711	-0.005	98	1172890	7.17	
149 Carbazole	167	9.834	9.834	0.0	82	1129309	7.10	
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	1363111	7.63	
157 Fluoranthene	202	10.669	10.669	0.0	97	1346175	7.40	
160 Pyrene	202	10.866	10.866	0.0	97	1365737	6.88	
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	97	556281	6.91	
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	74	252740	3.79	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	96	823555	7.22	
175 Benzo[a]anthracene	228	12.107	12.107	0.0	94	1269782	7.31	
176 Chrysene	228	12.150	12.150	0.0	94	1256893	7.59	
178 Di-n-octyl phthalate	149	12.952	12.952	0.0	99	1147328	6.27	
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	93	1147342	6.87	
181 Benzo[k]fluoranthene	252	13.589	13.594	-0.005	99	1318054	7.27	
182 Benzo[a]pyrene	252	14.038	14.038	0.0	75	1024854	6.05	
186 Indeno[1,2,3-cd]pyrene	276	15.723	15.723	0.0	97	1275796	6.81	
187 Dibenz(a,h)anthracene	278	15.750	15.750	0.0	73	1076492	6.74	
188 Benzo[g,h,i]perylene	276	16.135	16.135	0.0	91	1107180	7.39	

QC Flag Legend

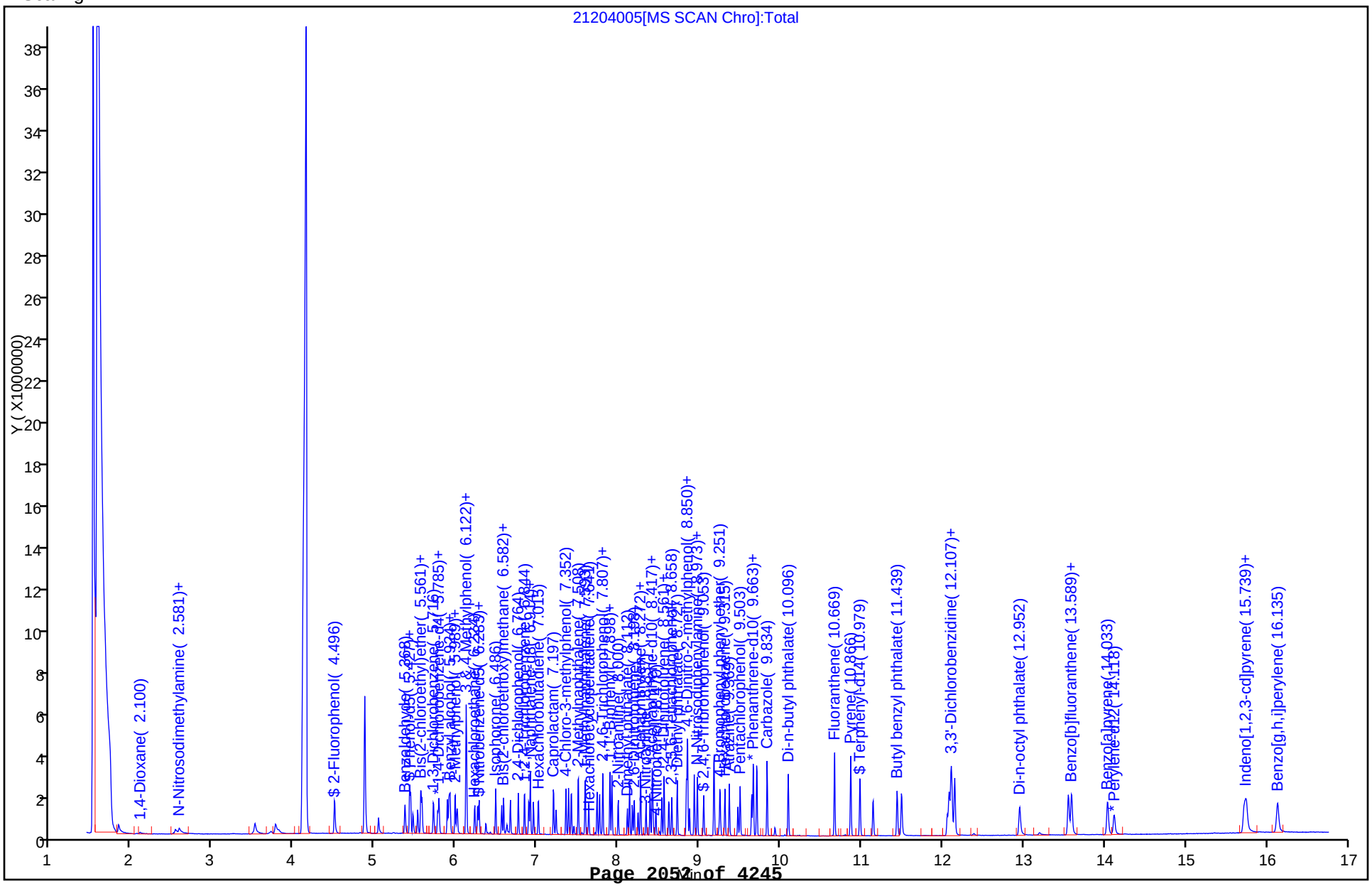
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 04-Dec-2012 12:56:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204005.D		
Injection Date:	04-Dec-2012 10:32:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

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

Report Date: 07-Dec-2012 12:54:39 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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

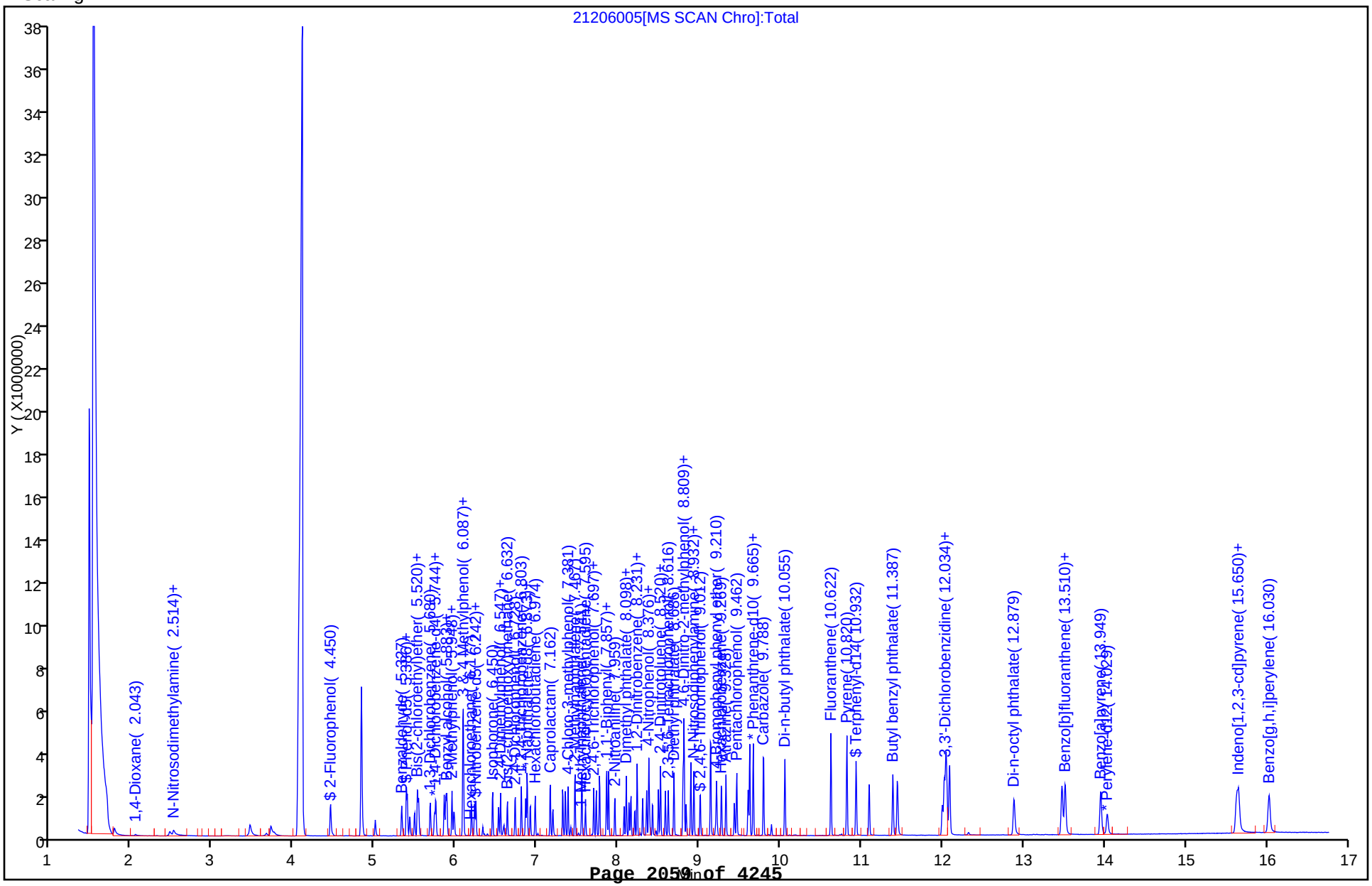
Processing Flags
9 - Failed A Reference Spectral Test

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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66734/5-A

Matrix: Solid | Lab File ID: 21205007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/29/2012 09:51

Sample wt/vol: 30.00(g) | Date Analyzed: 12/05/2012 10:37

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.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	489		6.7	3.3	3.3
208-96-8	Acenaphthylene	481		6.7	3.3	3.3
120-12-7	Anthracene	507		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	486		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	457		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	513		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	522		6.7	3.3	3.3
65-85-0	Benzoic acid	330	J	660	330	330
207-08-9	Benzo[k]fluoranthene	541		6.7	3.3	3.3
100-51-6	Benzyl alcohol	498		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	500		100	27	22
111-44-4	Bis(2-chloroethyl)ether	500		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	514		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	482		50	27	19
101-55-3	4-Bromophenyl phenyl ether	548		50	27	13
85-68-7	Butyl benzyl phthalate	495		50	27	10
86-74-8	Carbazole	512		50	27	27
106-47-8	4-Chloroaniline	372		150	27	17
59-50-7	4-Chloro-3-methylphenol	495		150	27	21
91-58-7	2-Chloronaphthalene	481		50	3.3	3.3
95-57-8	2-Chlorophenol	490		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	486		50	27	13
218-01-9	Chrysene	512		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	521		6.7	3.3	3.3
132-64-9	Dibenzofuran	488		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	477		50	27	9.7
541-73-1	1,3-Dichlorobenzene	463		50	27	11
106-46-7	1,4-Dichlorobenzene	472		50	27	20
91-94-1	3,3'-Dichlorobenzidine	335		100	80	18
120-83-2	2,4-Dichlorophenol	508		150	27	20
84-66-2	Diethyl phthalate	504		50	27	16
105-67-9	2,4-Dimethylphenol	353		150	80	20
131-11-3	Dimethyl phthalate	503		50	27	17
84-74-2	Di-n-butyl phthalate	546		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66734/5-A

Matrix: Solid | Lab File ID: 21205007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/29/2012 09:51

Sample wt/vol: 30.00(g) | Date Analyzed: 12/05/2012 10:37

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.: 67368 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	420		150	80	80
51-28-5	2,4-Dinitrophenol	326	J	330	80	80
121-14-2	2,4-Dinitrotoluene	530		200	27	27
606-20-2	2,6-Dinitrotoluene	527		200	27	21
117-84-0	Di-n-octyl phthalate	483		50	27	27
206-44-0	Fluoranthene	530		6.7	3.3	3.3
86-73-7	Fluorene	478		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	509		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	480		50	27	27
77-47-4	Hexachlorocyclopentadiene	324	J	330	27	27
67-72-1	Hexachloroethane	434		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	521		6.7	3.3	3.3
78-59-1	Isophorone	510		50	27	13
91-57-6	2-Methylnaphthalene	489		6.7	3.3	3.3
95-48-7	2-Methylphenol	486		200	80	80
15831-10-4	3 & 4 Methylphenol	1030		400	80	20
91-20-3	Naphthalene	488		6.7	3.3	3.3
88-74-4	2-Nitroaniline	513		200	27	9.1
99-09-2	3-Nitroaniline	472		200	80	16
100-01-6	4-Nitroaniline	487		200	27	26
98-95-3	Nitrobenzene	497		100	3.3	2.2
88-75-5	2-Nitrophenol	500		50	27	27
100-02-7	4-Nitrophenol	488		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	508		50	27	27
86-30-6	N-Nitrosodiphenylamine	519		50	27	21
87-86-5	Pentachlorophenol	364		150	80	80
85-01-8	Phenanthrene	515		6.7	3.3	3.3
108-95-2	Phenol	512		50	27	27
129-00-0	Pyrene	497		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	452		50	27	27
95-95-4	2,4,5-Trichlorophenol	471		150	27	25
88-06-2	2,4,6-Trichlorophenol	470		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66734/5-A

Matrix: Solid | Lab File ID: 21205007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 11/29/2012 09:51

Sample wt/vol: 30.00(g) | Date Analyzed: 12/05/2012 10:37

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.: 67368 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	65		45-105
367-12-4	2-Fluorophenol (Surr)	75		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	70		35-100
4165-62-2	Phenol-d5 (Surr)	78		40-100
1718-51-0	Terphenyl-d14 (Surr)	77		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	74		35-125

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205007.D
Lims ID: LCS 240-66734/5-A Client ID:
Inject. Date: 05-Dec-2012 10:37:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015535-007
Misc. Info.: LCS 240-66734/5-A =LCS 240-66734/5-A
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 67368 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 05-Dec-2012 15:38:24 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.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: 05-Dec-2012 11:18:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.997	5.998	-0.001	90	162256	4.00	
* 2 Naphthalene-d8	136	7.108	7.109	-0.001	98	664131	4.00	
* 3 Acenaphthene-d10	164	8.604	8.605	-0.001	64	418913	4.00	
* 4 Phenanthrene-d10	188	9.865	9.865	0.0	77	712174	4.00	
* 5 Chrysene-d12	240	12.456	12.456	0.0	69	760864	4.00	
* 6 Perylene-d12	264	14.571	14.572	-0.001	76	566150	4.00	
$ 7 2-Fluorophenol	112	4.779	4.764	0.015	93	719186	11.3	
$ 8 Phenol-d5	99	5.644	5.640	0.004	0	1084769	11.8	
$ 9 Nitrobenzene-d5	82	6.478	6.478	0.0	83	714934	7.03	
$ 10 2-Fluorobiphenyl (Surr)	172	8.011	8.012	-0.001	98	902963	6.49	
$ 11 2,4,6-Tribromophenol	330	9.266	9.267	-0.001	81	179508	11.1	
$ 12 Terphenyl-d14	244	11.227	11.228	-0.001	81	1205399	7.73	
31 2-Picoline	93		2.310					9
25 1,4-Dioxane	88	2.621	2.632	-0.011	80	118705	3.77	
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74	3.118	3.118	0.0	76	333596	8.06	
27 Pyridine	79	3.160	3.172	-0.012	92	405164	4.80	
82 Quinoline	129		5.099					9
94 Safrole, Total	162		5.119					
41 Benzaldehyde	77	5.602	5.608	-0.006	79	580399	7.40	
43 Phenol	94	5.655	5.650	0.005	93	801698	7.68	
44 Aniline	93	5.698	5.698	0.0	83	600091	4.60	
104 1,4-Dinitrobenzene	168		5.712					
69 Bis(2-chloroethyl)ether	93	5.751	5.747	0.005	97	604866	7.51	
106 1,3-Dinitrobenzene	168		5.771					
46 2-Chlorophenol	128	5.810	5.805	0.005	86	435367	7.35	
47 1,3-Dichlorobenzene	146	5.949	5.950	-0.001	85	442606	6.95	
48 1,4-Dichlorobenzene	146	6.013	6.014	-0.001	79	455563	7.08	
49 Benzyl alcohol	108	6.104	6.104	0.0	82	364464	7.46	
50 1,2-Dichlorobenzene	146	6.147	6.147	0.0	76	443183	7.16	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
51 2-Methylphenol	108	6.195	6.190	0.005	94	507738	7.29	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
53 2,2'-oxybis[1-chloropropane]	45	6.221	6.222	-0.001	95	633048	7.71	
21 3 & 4 Methylphenol	108	6.323	6.318	0.005	94	1143304	15.4	
57 N-Nitrosodi-n-propylamine	70	6.334	6.334	0.0	70	556809	7.62	
58 Acetophenone	105	6.339	6.345	-0.006	74	755527	7.02	
61 Hexachloroethane	117	6.446	6.452	-0.006	89	195745	6.50	
62 Nitrobenzene	77	6.494	6.494	0.0	72	797353	7.45	
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					
64 Isophorone	82	6.697	6.697	0.0	93	1493036	7.65	
66 2-Nitrophenol	139	6.772	6.772	0.0	86	218800	7.50	
65 2,4-Dimethylphenol	107	6.782	6.783	-0.001	93	433870	5.30	
71 Benzoic acid	122	6.820	6.842	-0.022	74	128104	4.95	
70 Bis(2-chloroethoxy)methane	93	6.868	6.868	0.0	96	749079	7.50	
144 Pronamide	173		6.919					9
73 2,4-Dichlorophenol	162	6.969	6.970	-0.001	87	358915	7.63	
74 1,2,4-Trichlorobenzene	180	7.049	7.050	-0.001	79	394332	6.78	
75 Naphthalene	128	7.124	7.125	-0.001	80	1335410	7.32	
76 4-Chloroaniline	127	7.156	7.157	-0.001	78	402549	5.58	
79 Hexachlorobutadiene	225	7.220	7.221	-0.001	88	228380	7.19	
84 Caprolactam	113	7.434	7.440	-0.006	71	157840	8.22	
86 4-Chloro-3-methylphenol	107	7.546	7.547	-0.001	80	512476	7.43	
87 2-Methylnaphthalene	142	7.712	7.712	0.0	83	839215	7.34	
88 1-Methylnaphthalene	142	7.797	7.798	-0.001	78	791106	7.15	
89 Hexachlorocyclopentadiene	237	7.840	7.841	-0.001	84	163709	4.86	
92 2,4,6-Trichlorophenol	196	7.942	7.942	0.0	83	255536	7.05	
93 2,4,5-Trichlorophenol	196	7.974	7.974	0.0	89	281863	7.06	
98 1,1'-Biphenyl	154	8.102	8.102	0.0	95	1044591	6.90	
100 2-Chloronaphthalene	162	8.129	8.129	0.0	93	832480	7.21	
102 2-Nitroaniline	65	8.198	8.204	-0.006	72	413439	7.69	
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.337	8.337	0.0	92	1026670	7.54	
107 2,6-Dinitrotoluene	165	8.396	8.396	0.0	73	223652	7.90	
108 1,2-Dinitrobenzene	168	8.449	8.450	-0.001	80	109578	7.87	
109 Acenaphthylene	152	8.486	8.487	-0.001	71	1329129	7.21	
110 3-Nitroaniline	138	8.545	8.546	-0.001	80	215706	7.09	
111 2,4-Dinitrophenol	184	8.631	8.631	0.0	46	68694	4.90	
112 Acenaphthene	153	8.631	8.631	0.0	91	857662	7.34	
113 4-Nitrophenol	109	8.657	8.658	-0.001	82	164151	7.33	
114 2,4-Dinitrotoluene	165	8.738	8.738	0.0	73	301604	7.94	
116 Dibenzofuran	168	8.775	8.775	0.0	85	1233491	7.32	
118 2,3,5,6-Tetrachlorophenol	232	8.828	8.829	-0.001	84	206999	6.25	
121 Diethyl phthalate	149	8.930	8.930	0.0	94	1018146	7.56	
123 4-Chlorophenyl phenyl ether	204	9.047	9.048	-0.001	88	528402	7.30	
125 4-Nitroaniline	138	9.063	9.064	-0.001	80	234250	7.31	
126 Fluorene	166	9.063	9.064	-0.001	72	1022757	7.17	
128 4,6-Dinitro-2-methylphenol	198	9.085	9.085	0.0	72	160558	6.30	
131 N-Nitrosodiphenylamine	169	9.144	9.144	0.0	91	765464	7.78	
132 1,2-Diphenylhydrazine	77	9.186	9.187	-0.001	99	1907006	7.96	
133 Azobenzene	77	9.186	9.187	-0.001	93	1907832	7.96	
139 4-Bromophenyl phenyl ether	248	9.469	9.470	-0.001	67	295346	8.22	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Hexachlorobenzene	284	9.534	9.529	0.005	79	276784	7.64	
142 Atrazine	200	9.576	9.577	-0.001	80	324329	10.4	
143 Pentachlorophenol	266	9.688	9.689	-0.001	79	135307	5.46	
148 Phenanthrene	178	9.886	9.887	-0.001	82	1643731	7.73	
149 Anthracene	178	9.929	9.929	0.0	82	1619557	7.60	
151 Carbazole	167	10.052	10.052	0.0	79	1467101	7.68	
154 Di-n-butyl phthalate	149	10.308	10.309	-0.001	99	1919365	8.18	
159 Fluoranthene	202	10.901	10.902	-0.001	78	1930602	7.95	
161 Pyrene	202	11.115	11.115	0.0	72	1962661	7.46	
168 Butyl benzyl phthalate	149	11.718	11.719	-0.001	84	780189	7.43	
175 3,3'-Dichlorobenzidine	252	12.386	12.387	-0.001	69	424511	5.02	
173 Bis(2-ethylhexyl) phthalate	149	12.402	12.403	-0.001	92	1129856	7.23	
177 Benzo[a]anthracene	228	12.445	12.446	-0.001	81	1728039	7.29	
178 Chrysene	228	12.493	12.494	-0.001	80	1668122	7.68	
180 Di-n-octyl phthalate	149	13.332	13.332	0.0	98	1680779	7.25	
182 Benzo[b]fluoranthene	252	13.978	13.979	-0.001	79	1510953	7.70	
183 Benzo[k]fluoranthene	252	14.021	14.021	0.0	80	1638986	8.12	
184 Benzo[a]pyrene	252	14.486	14.492	-0.006	77	1271002	6.86	
188 Indeno[1,2,3-cd]pyrene	276	16.270	16.271	0.0	77	1590963	7.82	
189 Dibenz(a,h)anthracene	278	16.297	16.297	0.0	62	1304085	7.81	
190 Benzo[g,h,i]perylene	276	16.740	16.741	-0.001	77	1338982	7.83	

QC Flag Legend

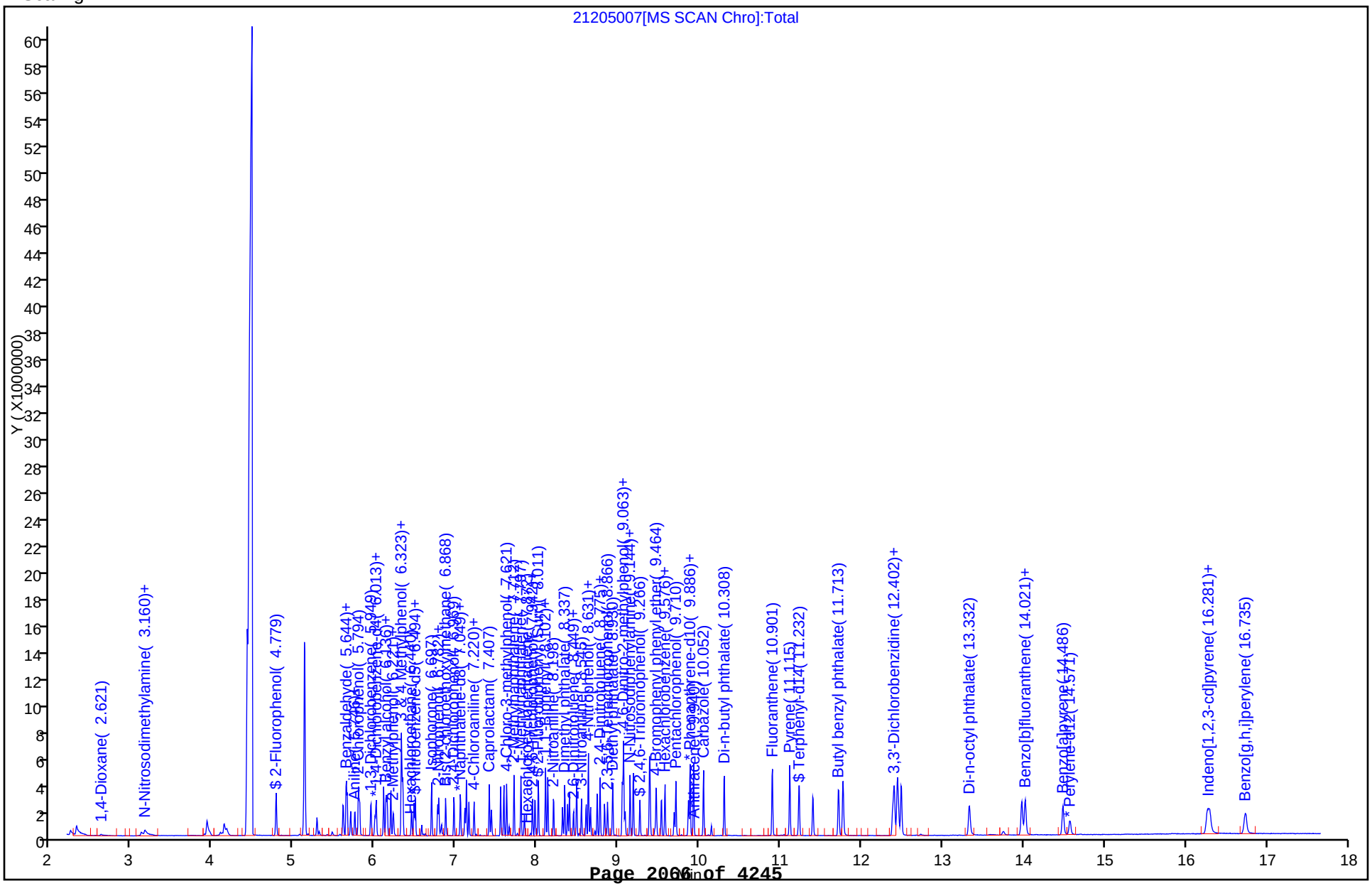
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 05-Dec-2012 15:38:25 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205007.D		
Injection Date:	05-Dec-2012 10:37:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	7
Operator ID:	001574	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-67600/23-A

Matrix: Solid | Lab File ID: 21211008.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 30.00(g) | Date Analyzed: 12/11/2012 13:07

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.: 68148 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	519		6.7	3.3	3.3
208-96-8	Acenaphthylene	520		6.7	3.3	3.3
120-12-7	Anthracene	575		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	597		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	565		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	635		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	719		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	687		6.7	3.3	3.3
100-51-6	Benzyl alcohol	513		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	494		100	27	22
111-44-4	Bis(2-chloroethyl)ether	465		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	436		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	600		50	27	19
101-55-3	4-Bromophenyl phenyl ether	586		50	27	13
85-68-7	Butyl benzyl phthalate	593		50	27	10
86-74-8	Carbazole	586		50	27	27
106-47-8	4-Chloroaniline	342		150	27	17
59-50-7	4-Chloro-3-methylphenol	561		150	27	21
91-58-7	2-Chloronaphthalene	504		50	3.3	3.3
95-57-8	2-Chlorophenol	484		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	553		50	27	13
218-01-9	Chrysene	630		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	627		6.7	3.3	3.3
132-64-9	Dibenzofuran	521		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	465		50	27	9.7
541-73-1	1,3-Dichlorobenzene	452		50	27	11
106-46-7	1,4-Dichlorobenzene	452		50	27	20
91-94-1	3,3'-Dichlorobenzidine	403		100	80	18
120-83-2	2,4-Dichlorophenol	533		150	27	20
84-66-2	Diethyl phthalate	599		50	27	16
105-67-9	2,4-Dimethylphenol	402		150	80	20
131-11-3	Dimethyl phthalate	579		50	27	17
84-74-2	Di-n-butyl phthalate	633		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-67600/23-A

Matrix: Solid | Lab File ID: 21211008.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 30.00(g) | Date Analyzed: 12/11/2012 13:07

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.: 68148 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	500		150	80	80
51-28-5	2,4-Dinitrophenol	400		330	80	80
121-14-2	2,4-Dinitrotoluene	591		200	27	27
606-20-2	2,6-Dinitrotoluene	580		200	27	21
117-84-0	Di-n-octyl phthalate	621		50	27	27
206-44-0	Fluoranthene	615		6.7	3.3	3.3
86-73-7	Fluorene	542		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	588		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	499		50	27	27
77-47-4	Hexachlorocyclopentadiene	409		330	27	27
67-72-1	Hexachloroethane	454		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	639		6.7	3.3	3.3
78-59-1	Isophorone	535		50	27	13
91-57-6	2-Methylnaphthalene	520		6.7	3.3	3.3
95-48-7	2-Methylphenol	479		200	80	80
15831-10-4	3 & 4 Methylphenol	978		400	80	20
91-20-3	Naphthalene	504		6.7	3.3	3.3
88-74-4	2-Nitroaniline	566		200	27	9.1
99-09-2	3-Nitroaniline	527		200	80	16
100-01-6	4-Nitroaniline	557		200	27	26
98-95-3	Nitrobenzene	511		100	3.3	2.2
88-75-5	2-Nitrophenol	522		50	27	27
100-02-7	4-Nitrophenol	588		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	490		50	27	27
86-30-6	N-Nitrosodiphenylamine	569		50	27	21
87-86-5	Pentachlorophenol	475		150	80	80
85-01-8	Phenanthrene	568		6.7	3.3	3.3
108-95-2	Phenol	487		50	27	27
129-00-0	Pyrene	570		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	481		50	27	27
95-95-4	2,4,5-Trichlorophenol	513		150	27	25
88-06-2	2,4,6-Trichlorophenol	466		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-67600/23-A

Matrix: Solid | Lab File ID: 21211008.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: 3540C | Date Extracted: 12/06/2012 10:45

Sample wt/vol: 30.00(g) | Date Analyzed: 12/11/2012 13:07

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.: 68148 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	71		45-105
367-12-4	2-Fluorophenol (Surr)	70		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	74		35-100
4165-62-2	Phenol-d5 (Surr)	72		40-100
1718-51-0	Terphenyl-d14 (Surr)	93		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	73		35-125

Report Date: 12-Dec-2012 09:45:51 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211008.D
Lims ID: LCS 240-67600/23-A Client ID:
Inject. Date: 11-Dec-2012 13:07:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015716-008
Misc. Info.: lcs 240-67600/23-a
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 68148 Lims Sample ID: 8
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\8270_hp7.m
Last Update: 12-Dec-2012 09:45:45 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: XAWRK017

First Level Reviewer: gruberj Date: 11-Dec-2012 14:28:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.702	5.702	0.0	96	158764	4.00	
* 2 Naphthalene-d8	136	6.825	6.826	-0.001	100	590078	4.00	
* 3 Acenaphthene-d10	164	8.318	8.318	0.0	93	350230	4.00	
* 4 Phenanthrene-d10	188	9.575	9.575	0.0	97	603553	4.00	
* 5 Chrysene-d12	240	12.014	12.014	0.0	89	631263	4.00	
* 6 Perylene-d12	264	13.982	13.977	0.005	97	471643	4.00	
$ 7 2-Fluorophenol	112	4.408	4.397	0.011	91	517834	10.6	
$ 8 Phenol-d5	99	5.355	5.349	0.006	90	669728	10.7	
$ 9 Nitrobenzene-d5	82	6.194	6.194	0.0	90	384811	7.42	
$ 10 2-Fluorobiphenyl (Surr)	172	7.740	7.740	0.0	99	808857	7.12	
$ 11 2,4,6-Tribromophenol	330	8.981	8.981	0.0	93	158703	11.0	
$ 12 Terphenyl-d14	244	10.907	10.906	0.0	99	1087538	9.30	
24 1,4-Dioxane	88	1.958	1.969	-0.011	96	55584	3.02	
25 N-Nitrosodimethylamine	74	2.381	2.391	-0.010	92	173819	5.64	
26 Pyridine	79	2.424	2.429	-0.005	97	230613	4.37	
30 2-Picoline	93	3.659	3.659	0.0	96	300869	5.41	
36 Ethyl methanesulfonate	79	4.970	4.970	0.0	97	265489	6.76	
40 Benzaldehyde	77	5.296	5.296	0.0	91	301643	7.29	
41 Phenol	94	5.365	5.365	0.0	98	485507	7.31	
43 Aniline	93	5.392	5.392	0.0	88	289684	3.49	
44 Bis(2-chloroethyl)ether	93	5.456	5.456	0.0	95	357700	6.97	
46 2-Chlorophenol	128	5.504	5.504	0.0	92	389291	7.25	
47 1,3-Dichlorobenzene	146	5.649	5.649	0.0	96	392226	6.78	
48 1,4-Dichlorobenzene	146	5.718	5.718	0.0	93	389308	6.78	
49 Benzyl alcohol	108	5.820	5.820	0.0	90	254705	7.70	
50 1,2-Dichlorobenzene	146	5.852	5.852	0.0	87	382460	6.98	
51 2-Methylphenol	108	5.916	5.916	0.0	95	348089	7.19	
52 2,2'-oxybis[1-chloropropane]	45	5.943	5.943	0.0	90	492000	6.53	
191 3 & 4 Methylphenol	108	6.055	6.050	0.005	90	744686	14.7	
57 Acetophenone	105	6.061	6.061	0.0	94	500972	6.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
56 N-Nitrosodi-n-propylamine	70	6.055	6.061	-0.006	69	264429	7.35	
60 Hexachloroethane	117	6.157	6.157	0.0	92	159039	6.81	
61 Nitrobenzene	77	6.210	6.216	-0.006	86	411300	7.67	
63 Isophorone	82	6.419	6.419	0.0	99	754638	8.02	
65 2-Nitrophenol	139	6.494	6.494	0.0	95	197478	7.83	
64 2,4-Dimethylphenol	107	6.521	6.521	0.0	95	299093	6.03	
69 Benzoic acid	122	6.553	6.590	-0.037	86	53224	2.96	
68 Bis(2-chloroethoxy)methane	93	6.601	6.601	0.0	99	442678	7.41	
71 2,4-Dichlorophenol	162	6.697	6.697	0.0	95	313316	7.99	
72 1,2,4-Trichlorobenzene	180	6.772	6.777	-0.005	93	337458	7.22	
73 Naphthalene	128	6.847	6.847	0.0	96	1113883	7.55	
74 4-Chloroaniline	127	6.884	6.884	0.0	86	322802	5.14	
77 Hexachlorobutadiene	225	6.943	6.943	0.0	95	189617	7.49	
80 Quinoline	129	7.130	7.120	0.010	97	722569	8.34	
83 Caprolactam	113	7.162	7.173	-0.011	76	121591	8.08	
84 4-Chloro-3-methylphenol	107	7.285	7.285	0.0	97	354396	8.42	
93 Safrole, Total	162	7.350	7.355	-0.005	88	283568	7.72	
85 2-Methylnaphthalene	142	7.435	7.435	0.0	90	734929	7.79	
86 1-Methylnaphthalene	142	7.521	7.521	0.0	90	705448	7.86	
88 Hexachlorocyclopentadiene	237	7.564	7.564	0.0	94	174133	6.14	
90 2,4,6-Trichlorophenol	196	7.671	7.671	0.0	90	206209	6.99	
91 2,4,5-Trichlorophenol	196	7.697	7.697	0.0	95	244830	7.70	
95 1,1'-Biphenyl	154	7.826	7.826	0.0	95	887442	7.17	
98 2-Chloronaphthalene	162	7.852	7.852	0.0	96	731267	7.56	
100 2-Nitroaniline	65	7.927	7.927	0.0	83	241229	8.50	
102 1,4-Dinitrobenzene	168	8.045	8.045	0.0	94	131644	8.82	
103 Dimethyl phthalate	163	8.072	8.072	0.0	99	893809	8.69	
104 1,3-Dinitrobenzene	168	8.104	8.104	0.0	84	154601	8.71	
105 2,6-Dinitrotoluene	165	8.131	8.131	0.0	82	204316	8.71	
106 1,2-Dinitrobenzene	168	8.173	8.179	-0.006	89	107946	9.46	
107 Acenaphthylene	152	8.205	8.205	0.0	92	1245135	7.79	
108 3-Nitroaniline	138	8.275	8.275	0.0	93	203698	7.91	
110 Acenaphthene	153	8.350	8.350	0.0	93	747657	7.78	
109 2,4-Dinitrophenol	184	8.361	8.361	0.001	73	68548	6.00	
111 4-Nitrophenol	109	8.398	8.398	0.0	95	130713	8.81	
112 2,4-Dinitrotoluene	165	8.468	8.467	0.001	92	280607	8.87	
114 Dibenzofuran	168	8.494	8.494	0.0	87	1114524	7.82	
115 2,3,5,6-Tetrachlorophenol	232	8.553	8.553	0.0	90	175040	6.68	
117 2,3,4,6-Tetrachlorophenol	232	8.591	8.591	0.0	71	164774	6.67	
119 Diethyl phthalate	149	8.660	8.660	0.0	98	966281	8.99	
121 4-Chlorophenyl phenyl ether	204	8.772	8.772	0.0	90	449268	8.29	
124 Fluorene	166	8.783	8.783	0.0	93	930396	8.13	
123 4-Nitroaniline	138	8.783	8.788	-0.005	81	234819	8.36	
126 4,6-Dinitro-2-methylphenol	198	8.810	8.810	0.0	85	144957	7.50	
130 N-Nitrosodiphenylamine	169	8.869	8.869	0.0	0	710270	8.53	
129 1,2-Diphenylhydrazine	77	8.906	8.906	0.0	0	936613	7.97	
131 Azobenzene	77	8.906	8.906	0.0	99	936657	7.97	
135 Phenacetin	108	9.109	9.115	-0.006	88	444928	8.96	
136 Phorate	121	9.115	9.115	0.0	91	165212	8.81	
137 4-Bromophenyl phenyl ether	248	9.184	9.184	0.0	62	270448	8.79	
139 Hexachlorobenzene	284	9.243	9.243	0.0	88	279681	8.82	
140 Atrazine	200	9.302	9.302	0.0	91	269302	11.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
141 Pentachlorophenol	266	9.404	9.403	0.001	87	145651	7.12	
142 Pronamide	173	9.436	9.436	0.0	87	409474	8.76	
146 Phenanthrene	178	9.596	9.596	0.0	96	1404807	8.52	
147 Anthracene	178	9.639	9.639	0.0	97	1412102	8.62	
149 Carbazole	167	9.762	9.762	0.0	82	1399478	8.79	
151 Di-n-butyl phthalate	149	10.029	10.029	0.0	100	1696277	9.49	
157 Fluoranthene	202	10.596	10.596	0.0	96	1680581	9.23	
160 Pyrene	202	10.789	10.789	0.0	98	1722332	8.55	
162 Chlorobenzilate	139	11.062	11.062	0.0	90	451623	8.22	
166 Butyl benzyl phthalate	149	11.356	11.356	0.0	96	735599	8.90	
173 3,3'-Dichlorobenzidine	252	11.960	11.960	0.0	70	417406	6.04	
171 Bis(2-ethylhexyl) phthalate	149	11.987	11.987	0.0	96	1053699	9.00	
175 Benzo[a]anthracene	228	12.003	12.003	0.0	97	1576532	8.95	
176 Chrysene	228	12.046	12.046	0.0	94	1586666	9.45	
178 Di-n-octyl phthalate	149	12.837	12.843	-0.006	99	1589530	9.32	
180 Benzo[b]fluoranthene	252	13.426	13.426	0.0	94	1432352	9.52	
181 Benzo[k]fluoranthene	252	13.463	13.463	0.0	99	1684435	10.3	
182 Benzo[a]pyrene	252	13.902	13.902	0.0	75	1312123	8.47	
186 Indeno[1,2,3-cd]pyrene	276	15.571	15.570	0.001	98	1638793	9.59	
187 Dibenz(a,h)anthracene	278	15.597	15.597	0.0	86	1368962	9.40	
188 Benzo[g,h,i]perylene	276	15.966	15.966	0.0	95	1457253	10.8	

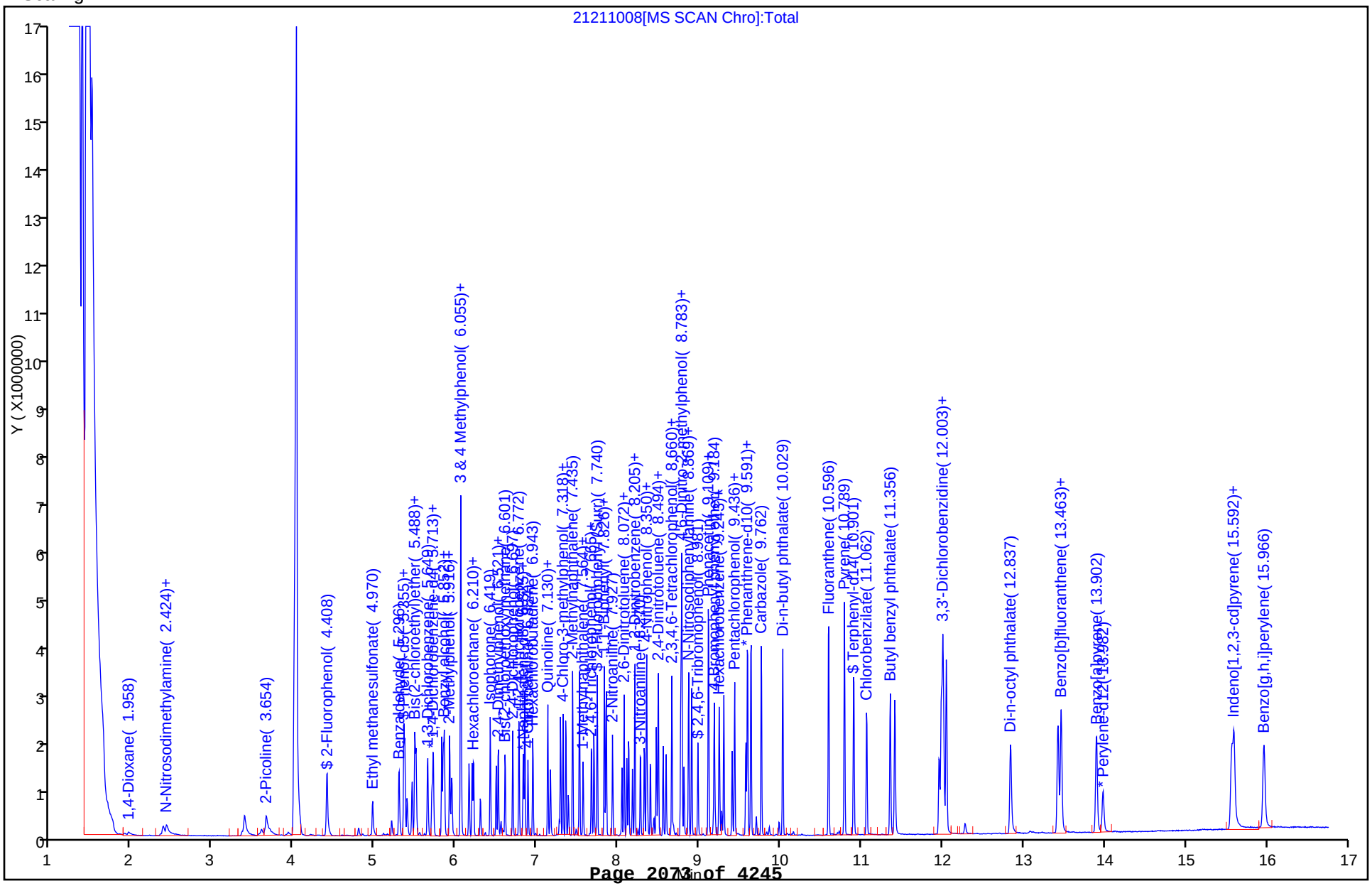
Report Date: 12-Dec-2012 09:45:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211008.D

Injection Date:	11-Dec-2012 13:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	Lims Sample ID:	8
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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66717/3

Matrix: Water | Lab File ID: 21129003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 09:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66717 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.04		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.04		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.03		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.08		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.19		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.61		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.52		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.57		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.15		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.15		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.01		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.13		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	5.24		0.0010	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.17		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.20		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.34		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.03		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.09		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.21		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.99		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.21		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.17		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.95		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.07		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.01		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.13		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.12		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.03		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.27		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.27		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.10		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.21		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.06		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.23		0.0010	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66717/3

Matrix: Water | Lab File ID: 21129003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 09:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66717 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	5.26		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	10.8		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.32		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.28		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.11		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.17		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.00		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.22		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.28		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	5.26		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.07		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.20		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.29		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.02		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.03		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.10		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.09		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.64		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.44		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.16		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.35		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.56		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.19		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.19		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	0.00080	U ^	0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	10.2		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.81		0.00020	0.00010	0.00010
108-95-2	Phenol	5.21		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.15		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.20		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.31		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.35		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66717/3

Matrix: Water | Lab File ID: 21129003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 09:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66717 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	102		70-130
367-12-4	2-Fluorophenol (Surr)	102		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	109		50-150
4165-62-2	Phenol-d5 (Surr)	103		50-150
1718-51-0	Terphenyl-d14 (Surr)	104		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	111		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129003.D		
Lims ID:	mrl qc	Client ID:	
Inject. Date:	29-Nov-2012 09:50:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015374-003		
Misc. Info.:	mrl qc		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	66717	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\8270_hp7.m		
Last Update:	03-Dec-2012 14:12:06	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:	XAWRK026		
First Level Reviewer: gurneyk		Date:	03-Dec-2012 14:12:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.806	5.806	0.0	96	155677	4.00	
* 2 Naphthalene-d8	136	6.935	6.929	0.006	99	588833	4.00	
* 3 Acenaphthene-d10	164	8.427	8.427	0.0	92	334629	4.00	
* 4 Phenanthrene-d10	188	9.684	9.684	0.0	98	580763	4.00	
* 5 Chrysene-d12	240	12.171	12.171	0.0	90	582075	4.00	
* 6 Perylene-d12	264	14.188	14.193	-0.005	93	499618	4.00	
$ 7 2-Fluorophenol	112	4.523	4.528	-0.005	92	244432	5.08	
$ 8 Phenol-d5	99	5.459	5.459	0.0	90	314892	5.15	
$ 9 Nitrobenzene-d5	82	6.298	6.298	0.0	90	281269	5.43	
$ 10 2-Fluorobiphenyl (Surr)	172	7.844	7.844	0.0	99	551731	5.08	
$ 11 2,4,6-Tribromophenol	330	9.090	9.090	0.0	92	76847	5.55	
$ 12 Terphenyl-d14	244	11.021	11.021	0.0	99	560432	5.20	
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					
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					
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	2.175	2.180	-0.005	94	97858	5.42	
25 N-Nitrosodimethylamine	74	2.608	2.608	0.0	90	147368	4.93	
26 Pyridine	79	2.667	2.667	0.0	94	261342	5.05	
232 1-Methyl-2-pyrrilidinone	99		3.271					14
27 Ethyl methacrylate	69	3.389	3.389	0.0	89	219709	5.11	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.817	3.817	0.0	89	161387	5.62	
30 2-Picoline	93		3.964					9
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.207	4.207	0.0	98	286853	5.30	
33 Acrylamide	71	4.378	4.349	0.029	2	306	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.544	4.536	0.008	0	581	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
37 2-Methylcyclohexanone	68	5.378	5.376	0.002	1	80	0	
40 Benzaldehyde	77	5.405	5.405	0.0	96	215267	5.30	
38 3-Methylcyclohexanone	69	5.426	5.414	0.012	1	282	0	
39 4-Methylcyclohexanone	55	5.469	5.462	0.007	22	27223	0	
41 Phenol	94	5.469	5.469	0.0	98	339059	5.21	
42 Phenylmercaptan	110		5.473					
43 Aniline	93	5.501	5.501	0.0	89	411812	5.05	
44 Bis(2-chloroethyl)ether	93	5.560	5.560	0.0	95	258175	5.13	
46 2-Chlorophenol	128	5.614	5.614	0.0	93	274297	5.21	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.758	5.758	0.0	97	290475	5.12	
48 1,4-Dichlorobenzene	146	5.822	5.822	0.0	91	283278	5.03	
49 Benzyl alcohol	108	5.924	5.924	0.0	90	166885	5.15	
50 1,2-Dichlorobenzene	146	5.961	5.961	0.0	95	275588	5.13	
51 2-Methylphenol	108	6.020	6.020	0.0	95	238683	5.03	
52 2,2'-oxybis[1-chloropropane]	45	6.047	6.047	0.0	90	386640	5.24	
53 Indene	115		6.066					9
191 3 & 4 Methylphenol	108	6.154	6.154	0.0	96	254020	5.10	
56 N-Nitrosodi-n-propylamine	70	6.159	6.159	0.0	92	183050	5.19	
57 Acetophenone	105	6.165	6.165	0.0	92	356657	5.07	
55 N-Nitrosopyrrolidine	100		6.216					
58 N-Nitrosomorpholine	56		6.248					9
60 Hexachloroethane	117	6.266	6.266	0.0	93	116103	5.07	
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77	6.320	6.320	0.0	83	286186	5.35	
62 N-Nitrosopiperidine	114		6.521					
63 Isophorone	82	6.523	6.523	0.0	97	496667	5.29	
65 2-Nitrophenol	139	6.598	6.598	0.0	94	139925	5.56	
66 1,3,5-Trichlorobenzene	180	6.603	6.609	-0.006	94	240699	5.16	
64 2,4-Dimethylphenol	107	6.619	6.619	0.0	95	257877	5.21	
69 Benzoic acid	122	6.673	6.689	-0.016	86	285730	9.57	
68 Bis(2-chloroethoxy)methane	93	6.705	6.705	0.0	98	298675	5.01	
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162	6.801	6.801	0.0	96	205996	5.27	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
72 1,2,4-Trichlorobenzene	180	6.881	6.881	0.0	94	242630	5.20	
73 Naphthalene	128	6.951	6.951	0.0	97	749039	5.09	
74 4-Chloroaniline	127	6.988	6.988	0.0	86	319121	5.09	
77 Hexachlorobutadiene	225	7.047	7.047	0.0	95	133487	5.28	
75 2,6-Dichlorophenol	162		7.066					9
78 1,2,3-Trichlorobenzene	180	7.074	7.074	0.0	90	226015	0	
76 Hexachloropropene	213		7.093					9
79 Benzothiazole	135		7.195					
80 Quinoline	129		7.259					
83 Caprolactam	113	7.266	7.272	-0.006	73	76309	5.09	
81 N-Nitrosodi-n-butylamine	84		7.328					9
82 p-Phenylene diamine	108		7.355					9
84 4-Chloro-3-methylphenol	107	7.389	7.389	0.0	92	218699	5.21	
93 Safrole, Total	162		7.521					
85 2-Methylnaphthalene	142	7.539	7.539	0.0	90	472627	5.02	
86 1-Methylnaphthalene	142	7.625	7.625	0.0	90	456625	5.10	
87 1,2,3,5-Tetrachlorobenzene	216	7.668	7.668	0.0	95	232810	5.12	
88 Hexachlorocyclopentadiene	237	7.668	7.668	0.0	75	142759	5.26	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
90 2,4,6-Trichlorophenol	196	7.775	7.775	0.0	90	150865	5.35	
91 2,4,5-Trichlorophenol	196	7.807	7.807	0.0	95	161299	5.31	
94 2,4-Toluene diamine	121	7.914	7.914	0.0	98	159194	5.31	
96 1,2,3,4 -Tetrachlorobenzene	216	7.924	7.924	0.0	95	223798	0	
95 1,1'-Biphenyl	154	7.930	7.930	0.0	95	586103	4.96	
98 2-Chloronaphthalene	162	7.956	7.956	0.0	97	460967	4.99	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65	8.031	8.031	0.0	80	152887	5.64	
99 Phenyl ether	170		8.040					9
101 1,4-Naphthoquinone	158		8.168					
103 Dimethyl phthalate	163	8.170	8.170	0.0	98	497034	5.06	
102 1,4-Dinitrobenzene	168		8.211					
105 2,6-Dinitrotoluene	165	8.229	8.229	0.0	92	114838	5.28	
104 1,3-Dinitrobenzene	168		8.275					
106 1,2-Dinitrobenzene	168	8.277	8.277	0.0	89	60746	5.57	
107 Acenaphthylene	152	8.309	8.309	0.0	90	769984	5.04	
108 3-Nitroaniline	138	8.379	8.379	0.0	94	133784	5.44	
110 Acenaphthene	153	8.454	8.454	0.0	92	462999	5.04	
109 2,4-Dinitrophenol	184	8.465	8.465	0.0	86	149474	10.8	
111 4-Nitrophenol	109	8.497	8.497	0.0	94	73600	5.19	
112 2,4-Dinitrotoluene	165	8.571	8.572	-0.001	89	155624	5.32	
114 Dibenzofuran	168	8.598	8.598	0.0	90	682170	5.01	
113 Pentachlorobenzene	250		8.633					9
115 2,3,5,6-Tetrachlorophenol	232	8.657	8.657	0.0	92	135582	5.41	
116 1-Naphthylamine	143		8.735					9
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
119 Diethyl phthalate	149	8.759	8.764	-0.005	97	523490	5.10	
118 2-Naphthylamine	143		8.799					9
121 4-Chlorophenyl phenyl ether	204	8.876	8.876	0.0	90	267339	5.17	
124 Fluorene	166	8.887	8.887	0.0	91	546888	5.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.887	8.892	-0.005	73	135747	5.16	
120 Thionazin	97		8.901					9
126 4,6-Dinitro-2-methylphenol	198	8.914	8.914	0.0	83	93282	5.26	
122 N-Nitro-o-toluidine	152		8.954					
130 N-Nitrosodiphenylamine	169		8.973					
125 Tributyl phosphate	99		8.992					9
131 Azobenzene	77	9.010	9.010	0.0	99	566859	5.02	
129 1,2-Diphenylhydrazine	77		9.010					
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					
228 Diallate Peak 1	86		9.275					2
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
137 4-Bromophenyl phenyl ether	248	9.288	9.288	0.0	65	153958	5.20	
139 Hexachlorobenzene	284	9.352	9.352	0.0	86	159261	5.22	
230 Diallate Peak 2	86		9.356					249
140 Atrazine	200	9.406	9.406	0.0	90	121592	5.58	
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.513	9.513	0.0	91	205565	10.2	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					9
142 Pronamide	173		9.607					
146 Phenanthrene	178	9.700	9.700	0.0	96	762694	4.81	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					
147 Anthracene	178	9.748	9.748	0.0	97	792639	5.03	
148 DFTPP								
149 Carbazole	167	9.871	9.871	0.0	82	770066	5.03	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.128	10.128	0.0	100	898643	5.23	
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					
156 Isodrin	66		10.655					
157 Fluoranthene	202	10.706	10.706	0.0	97	905681	5.17	
158 Benzidine	184	10.802	10.802	0.0	99	464349	4.99	
160 Pyrene	202	10.909	10.909	0.0	98	956077	5.15	
164 4,4'-DDE	246		10.962					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					
163 4,4'-DDD	235		11.321					9
166 Butyl benzyl phthalate	149	11.481	11.481	0.0	97	397293	5.34	
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
168 4,4'-DDT	235		11.599					9
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	12.070	12.070	0.0	93	186122	5.13	
172 4,4'-Methylene bis(2-chloroanili	231	12.107	12.112	-0.005	71	149717	5.21	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.112	12.112	0.0	69	333571	5.27	
171 Bis(2-ethylhexyl) phthalate	149	12.128	12.128	0.0	95	541507	5.17	
175 Benzo[a]anthracene	228	12.160	12.160	0.0	95	824431	5.08	
176 Chrysene	228	12.203	12.209	-0.006	94	767096	4.95	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	13.006	13.011	-0.005	99	876277	5.11	
180 Benzo[b]fluoranthene	252	13.621	13.621	0.0	93	894534	5.61	
181 Benzo[k]fluoranthene	252	13.658	13.663	-0.005	98	891481	5.15	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	14.107	14.113	-0.006	75	833770	5.19	
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	15.803	15.808	-0.005	92	922432	5.20	
187 Dibenz(a,h)anthracene	278	15.830	15.835	-0.005	73	765093	5.07	
188 Benzo[g,h,i]perylene	276	16.220	16.225	-0.005	89	789206	5.52	
S 189 Methyl Phenols,Total	100				0		5.03	
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	7.245	0.0	7.245	87	39066	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.057	3.050	0.007	1	125	0	
T 194 Octadecane (TIC)	254	14.872	6.300	8.572	83	35146	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
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

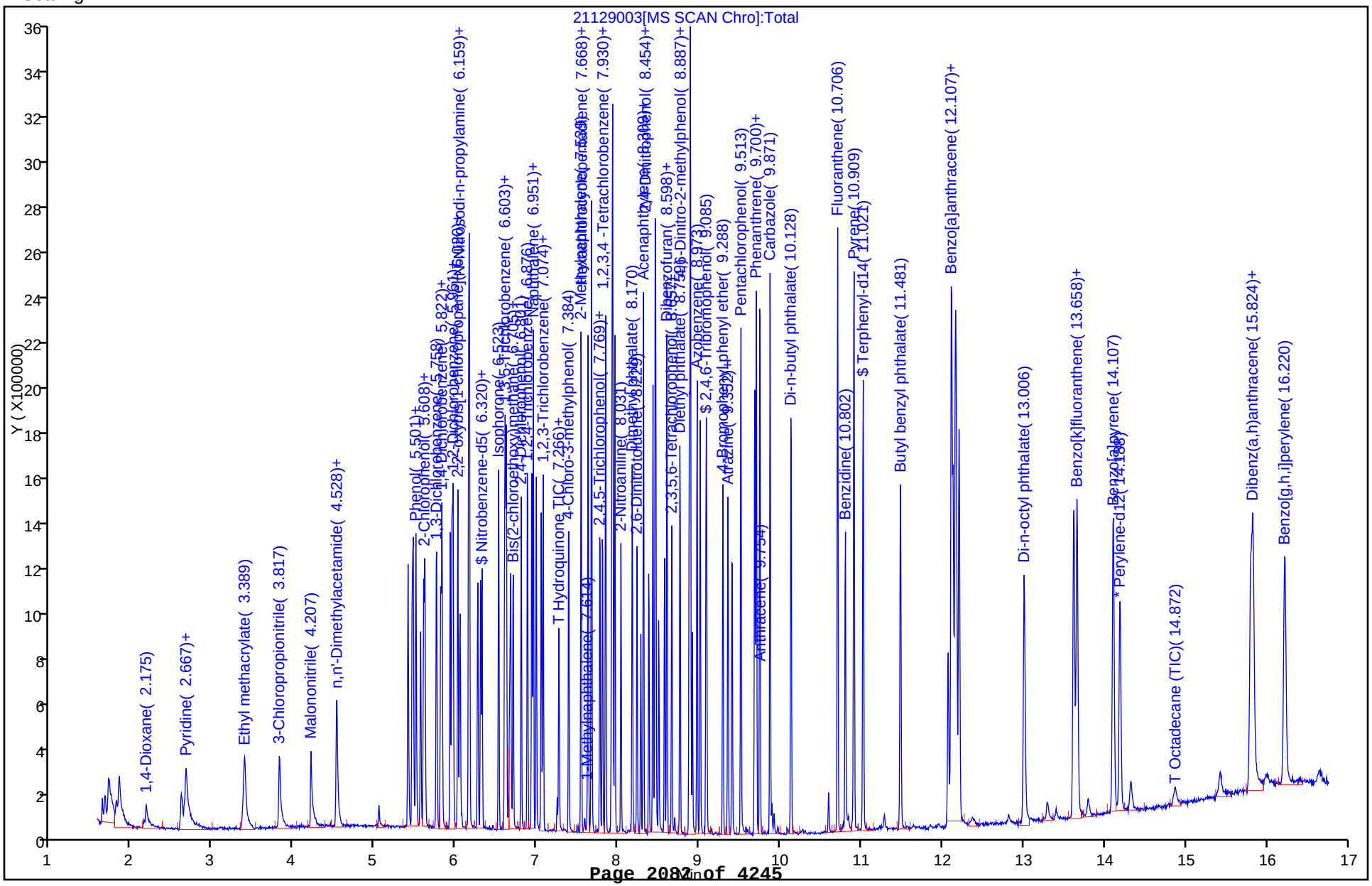
Report Date: 03-Dec-2012 14:12:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129003.D

Injection Date:	29-Nov-2012 09:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66717/26

Matrix: Water | Lab File ID: 21129026.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 18:46

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66717 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.05		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.09		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.05		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.29		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.25		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.18		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.52		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.66		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.35		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.12		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.20		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.97		0.0010	0.00010	0.00010
108-60-1	bis (2-chloroisopropyl) ether	5.15		0.0010	0.00080	0.00040
117-81-7	Bis(2-ethylhexyl) phthalate	5.27		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.19		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.31		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.85		0.0010	0.00080	0.00028
106-47-8	4-Chloroaniline	5.14		0.0020	0.00080	0.00080
59-50-7	4-Chloro-3-methylphenol	5.48		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.17		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.04		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.38		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.14		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.06		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.92		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.13		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.01		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.86		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.30		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.39		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.13		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.33		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.27		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.18		0.0010	0.00080	0.00067

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66717/26

Matrix: Water | Lab File ID: 21129026.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 18:46

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66717 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	4.84		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.44		0.0050	0.0024	0.0024
121-14-2	2,4-Dinitrotoluene	5.55		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.45		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.30		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.05		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.05		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.22		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.46		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.21		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.89		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.28		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.38		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.15		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.13		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.99		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.17		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.40		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.62		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.28		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.48		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.55		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.96		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.29		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.90		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.79		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.75		0.00020	0.00010	0.00010
108-95-2	Phenol	5.05		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.08		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.48		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.50		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.37		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66717/26

Matrix: Water | Lab File ID: 21129026.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 18:46

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66717 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	102		70-130
367-12-4	2-Fluorophenol (Surr)	100		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	112	Q	50-150
4165-62-2	Phenol-d5 (Surr)	101		50-150
1718-51-0	Terphenyl-d14 (Surr)	104		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	114		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129026.D		
Lims ID:	mrl qccl	Client ID:	
Inject. Date:	29-Nov-2012 18:46:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015374-026		
Misc. Info.:	mrl qccl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	66717	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121129-15374.b\8270_hp7.m		
Last Update:	30-Nov-2012 13:29:30	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:	XAWRK032		
First Level Reviewer: gruberj		Date:	30-Nov-2012 08:10:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.806	5.806	0.0	95	194070	4.00	
* 2 Naphthalene-d8	136	6.930	6.929	0.001	100	710135	4.00	
* 3 Acenaphthene-d10	164	8.427	8.427	0.0	93	416747	4.00	
* 4 Phenanthrene-d10	188	9.684	9.684	0.0	98	755044	4.00	
* 5 Chrysene-d12	240	12.171	12.171	0.0	93	736653	4.00	
* 6 Perylene-d12	264	14.193	14.193	0.0	92	632194	4.00	
$ 7 2-Fluorophenol	112	4.528	4.528	0.0	91	300228	5.00	
$ 8 Phenol-d5	99	5.453	5.459	-0.006	96	386065	5.07	
$ 9 Nitrobenzene-d5	82	6.298	6.298	0.0	90	348268	5.58	
$ 10 2-Fluorobiphenyl (Surr)	172	7.844	7.844	0.0	100	686538	5.08	
$ 11 2,4,6-Tribromophenol	330	9.090	9.090	0.0	92	98619	5.72	
$ 12 Terphenyl-d14	244	11.021	11.021	0.0	98	709498	5.20	
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					
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					
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	2.180	2.180	0.0	94	102863	4.57	
25 N-Nitrosodimethylamine	74	2.608	2.608	0.0	94	196730	5.25	
26 Pyridine	79	2.667	2.667	0.0	95	298211	4.62	
232 1-Methyl-2-pyrrilidinone	99	3.330	3.271	0.059	0	70	0	
27 Ethyl methacrylate	69	3.389	3.389	0.0	91	258094	4.81	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.822	3.817	0.005	89	177920	4.97	
30 2-Picoline	93		3.964					9
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.207	4.207	0.0	99	348276	5.16	
33 Acrylamide	71	4.357	4.349	0.008	1	174	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.523	4.536	-0.013	0	1787	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
37 2-Methylcyclohexanone	68	5.373	5.376	-0.003	1	50	0	
40 Benzaldehyde	77	5.405	5.405	0.0	92	269784	5.33	
38 3-Methylcyclohexanone	69	5.411	5.414	-0.003	1	387	0	
39 4-Methylcyclohexanone	55	5.469	5.462	0.007	31	34940	0	
41 Phenol	94	5.469	5.469	0.0	99	409926	5.05	
42 Phenylmercaptan	110		5.473					9
43 Aniline	93	5.502	5.501	0.001	96	519363	5.11	
44 Bis(2-chloroethyl)ether	93	5.560	5.560	0.0	95	311876	4.97	
46 2-Chlorophenol	128	5.614	5.614	0.0	97	330652	5.04	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.758	5.758	0.0	97	354412	5.01	
48 1,4-Dichlorobenzene	146	5.822	5.822	0.0	92	341551	4.86	
49 Benzyl alcohol	108	5.924	5.924	0.0	90	207026	5.12	
50 1,2-Dichlorobenzene	146	5.962	5.961	0.001	94	343354	5.13	
51 2-Methylphenol	108	6.020	6.020	0.0	94	303936	5.13	
52 2,2'-oxybis[1-chloropropane]	45	6.047	6.047	0.0	91	473834	5.15	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.154	6.154	0.0	96	309502	4.99	
56 N-Nitrosodi-n-propylamine	70	6.159	6.159	0.0	89	232650	5.29	
57 Acetophenone	105	6.165	6.165	0.0	94	434155	4.95	
55 N-Nitrosopyrrolidine	100		6.216					
58 N-Nitrosomorpholine	56		6.248					9
60 Hexachloroethane	117	6.266	6.266	0.0	92	139601	4.89	
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77	6.320	6.320	0.0	82	353649	5.48	
62 N-Nitrosopiperidine	114		6.521					
63 Isophorone	82	6.523	6.523	0.0	100	609862	5.38	
65 2-Nitrophenol	139	6.598	6.598	0.0	94	168617	5.55	
66 1,3,5-Trichlorobenzene	180	6.603	6.609	-0.006	95	307617	5.46	
64 2,4-Dimethylphenol	107	6.619	6.619	0.0	95	318036	5.33	
69 Benzoic acid	122	6.673	6.689	-0.016	84	305781	8.66	
68 Bis(2-chloroethoxy)methane	93	6.705	6.705	0.0	98	373949	5.20	
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162	6.801	6.801	0.0	94	254167	5.39	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
72 1,2,4-Trichlorobenzene	180	6.876	6.881	-0.005	89	308514	5.48	
73 Naphthalene	128	6.951	6.951	0.0	95	918206	5.17	
74 4-Chloroaniline	127	6.988	6.988	0.0	86	388883	5.14	
77 Hexachlorobutadiene	225	7.047	7.047	0.0	93	166411	5.46	
75 2,6-Dichlorophenol	162		7.066					9
78 1,2,3-Trichlorobenzene	180	7.074	7.074	0.0	90	286895	0	
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					
80 Quinoline	129		7.259					9
83 Caprolactam	113	7.267	7.272	-0.005	75	99536	5.49	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
84 4-Chloro-3-methylphenol	107	7.390	7.389	0.001	92	277592	5.48	
93 Safrole, Total	162		7.521					
85 2-Methylnaphthalene	142	7.539	7.539	0.0	90	584633	5.15	
86 1-Methylnaphthalene	142	7.625	7.625	0.0	89	545698	5.05	
87 1,2,3,5-Tetrachlorobenzene	216	7.668	7.668	0.0	96	295044	5.21	
88 Hexachlorocyclopentadiene	237	7.668	7.668	0.0	66	142071	4.21	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
90 2,4,6-Trichlorophenol	196	7.775	7.775	0.0	90	188544	5.37	
91 2,4,5-Trichlorophenol	196	7.807	7.807	0.0	96	208285	5.50	
94 2,4-Toluene diamine	121	7.914	7.914	0.0	98	185191	5.12	
96 1,2,3,4 -Tetrachlorobenzene	216	7.924	7.924	0.0	95	288289	0	
95 1,1'-Biphenyl	154	7.930	7.930	0.0	95	716060	4.86	
98 2-Chloronaphthalene	162	7.957	7.956	0.001	91	595499	5.17	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65	8.031	8.031	0.0	84	182411	5.40	
99 Phenyl ether	170		8.040					9
101 1,4-Naphthoquinone	158		8.168					
103 Dimethyl phthalate	163	8.171	8.170	0.001	99	644549	5.27	
102 1,4-Dinitrobenzene	168		8.211					
105 2,6-Dinitrotoluene	165	8.229	8.229	0.0	90	147835	5.45	
104 1,3-Dinitrobenzene	168		8.275					
106 1,2-Dinitrobenzene	168	8.277	8.277	0.0	86	74854	5.51	
107 Acenaphthylene	152	8.310	8.309	0.001	92	966814	5.09	
108 3-Nitroaniline	138	8.374	8.379	-0.005	94	172078	5.62	
110 Acenaphthene	153	8.454	8.454	0.0	95	577531	5.05	
109 2,4-Dinitrophenol	184	8.465	8.465	0.0	87	156640	9.44	
111 4-Nitrophenol	109	8.497	8.497	0.0	94	87534	4.96	
112 2,4-Dinitrotoluene	165	8.572	8.572	0.0	92	202744	5.55	
114 Dibenzofuran	168	8.598	8.598	0.0	88	834965	4.92	
113 Pentachlorobenzene	250		8.633					9
115 2,3,5,6-Tetrachlorophenol	232	8.657	8.657	0.0	89	169953	5.45	
116 1-Naphthylamine	143		8.735					9
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
119 Diethyl phthalate	149	8.759	8.764	-0.005	97	656155	5.13	
118 2-Naphthylamine	143		8.799					9
121 4-Chlorophenyl phenyl ether	204	8.877	8.876	0.001	90	346953	5.38	
124 Fluorene	166	8.887	8.887	0.0	82	687871	5.05	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.893	8.892	0.001	80	173232	5.28	
120 Thionazin	97		8.901					9
126 4,6-Dinitro-2-methylphenol	198	8.914	8.914	0.0	82	109945	4.84	
122 N-Nitro-o-toluidine	152		8.954					
130 N-Nitrosodiphenylamine	169	8.973	8.973	0.0	0	510721	4.90	
125 Tributyl phosphate	99		8.992					
131 Azobenzene	77	9.010	9.010	0.0	99	720370	4.90	
129 1,2-Diphenylhydrazine	77		9.010					
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
137 4-Bromophenyl phenyl ether	248	9.288	9.288	0.0	64	199699	5.19	
139 Hexachlorobenzene	284	9.353	9.352	0.001	89	207111	5.22	
230 Diallate Peak 2	86		9.356					
140 Atrazine	200	9.406	9.406	0.0	90	155685	5.49	
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.513	9.513	0.0	86	255073	9.79	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					9
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.700	9.700	0.0	97	978782	4.75	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
147 Anthracene	178	9.748	9.748	0.0	97	1034259	5.05	
148 DFTPP								
149 Carbazole	167	9.871	9.871	0.0	82	965629	4.85	
150 Methyl parathion	109		10.045					9
151 Di-n-butyl phthalate	149	10.128	10.128	0.0	100	1158063	5.18	
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					
156 Isodrin	66		10.655					
157 Fluoranthene	202	10.706	10.706	0.0	97	1150002	5.05	
158 Benzidine	184	10.802	10.802	0.0	99	591293	5.02	
160 Pyrene	202	10.909	10.909	0.0	96	1194429	5.08	
164 4,4'-DDE	246		10.962					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					
163 4,4'-DDD	235		11.321					
166 Butyl benzyl phthalate	149	11.481	11.481	0.0	97	499726	5.31	
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
168 4,4'-DDT	235		11.599					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	12.070	12.070	0.0	91	236090	5.14	
172 4,4'-Methylene bis(2-chloroanili	231	12.107	12.112	-0.005	71	207362	5.68	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.107	12.112	-0.005	65	425326	5.30	
171 Bis(2-ethylhexyl) phthalate	149	12.128	12.128	0.0	96	698966	5.27	
175 Benzo[a]anthracene	228	12.161	12.160	0.001	93	1087792	5.29	
176 Chrysene	228	12.203	12.209	-0.006	94	1007837	5.14	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	13.011	13.011	0.0	99	1152613	5.30	
180 Benzo[b]fluoranthene	252	13.621	13.621	0.0	86	1045551	5.18	
181 Benzo[k]fluoranthene	252	13.658	13.663	-0.005	95	1171915	5.35	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	14.107	14.113	-0.006	78	1066872	5.25	
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	15.803	15.808	-0.005	84	1185450	5.28	
187 Dibenz(a,h)anthracene	278	15.830	15.835	-0.005	76	966383	5.06	
188 Benzo[g,h,i]perylene	276	16.226	16.225	0.001	92	999619	5.52	
S 189 Methyl Phenols,Total	100				0		5.13	
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	7.245	0.0	7.245	90	50842	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.063	3.050	0.013	1	54	0	
T 194 Octadecane (TIC)	254	12.813	6.300	6.513	95	9392	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

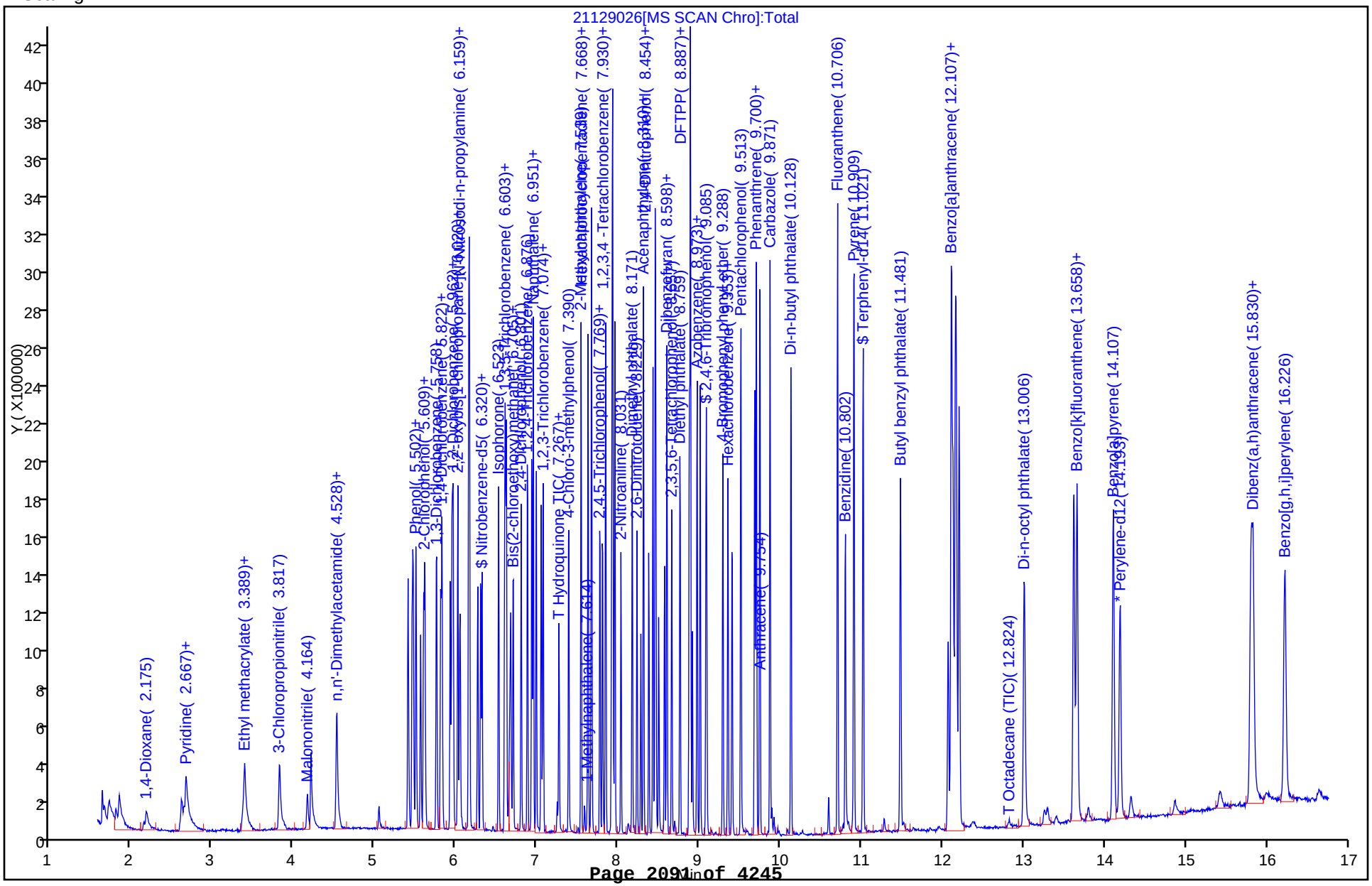
Report Date: 30-Nov-2012 13:29:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121129-15374.b\21129026.D

Injection Date:	29-Nov-2012 18:46:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	66717	Lims Sample ID:	26
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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67225/3

Matrix: Solid | Lab File ID: 21204003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/04/2012 09:45

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.09		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.16		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.02		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.03		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.23		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.37		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.57		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.12		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	5.18		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.04		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.13		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.96		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.23		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.74		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.12		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.22		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.07		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.32		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.25		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.00		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.02		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.90		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.15		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.21		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.00		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	4.69		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.25		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.32		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.13		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.18		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.22		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	5.09		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	10.1		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67225/3

Matrix: Solid | Lab File ID: 21204003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/04/2012 09:45

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.34		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.28		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.78		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.24		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.09		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	5.20		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.13		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.18		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.22		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.04		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.12		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.08		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.18		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.34		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.25		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.04		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.38		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.25		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.10		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.24		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	0.00080	U ^	0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	10.3		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.93		0.00020	0.00010	0.00010
108-95-2	Phenol	5.35		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.02		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.21		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.36		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.27		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67225/3

Matrix: Solid | Lab File ID: 21204003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/04/2012 09:45

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	101		50-150
367-12-4	2-Fluorophenol (Surr)	106	Q	50-150
4165-60-0	Nitrobenzene-d5 (Surr)	112	Q	50-150
4165-62-2	Phenol-d5 (Surr)	106	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	100		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	104		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204003.D		
Lims ID:	mrl qc	Client ID:	
Inject. Date:	04-Dec-2012 09:45:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015502-003		
Misc. Info.:	mrl qc		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	67225	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	04-Dec-2012 12:56:04	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:	XAWRK009		
First Level Reviewer: gruberj		Date:	04-Dec-2012 10:52:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.769	5.769	0.0	96	176064	4.00	
* 2 Naphthalene-d8	136	6.898	6.892	0.006	99	684300	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	93	392860	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	685602	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	92	719988	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	92	562415	4.00	
$ 7 2-Fluorophenol	112	4.486	4.486	0.0	92	287498	5.28	
$ 8 Phenol-d5	99	5.422	5.422	0.0	91	366965	5.31	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	87	336690	5.60	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	99	646191	5.07	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	88	84148	5.18	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	663414	4.98	
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
15 Catechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
24 1,4-Dioxane	88	2.116	2.116	0.0	94	102298	5.01	
25 N-Nitrosodimethylamine	74		2.544					2
26 Pyridine	79	2.598	2.592	0.006	91	278379	4.75	
232 1-Methyl-2-pyrrilidinone	99	3.325	3.271	0.054	0	50377	0	
27 Ethyl methacrylate	69	3.325	3.325	0.0	90	233974	4.81	
18 Dimethylformamide	73		3.545					9
28 3-Chloropropionitrile	54	3.769	3.769	0.0	84	182769	5.63	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.165	4.165	0.0	98	339865	5.55	
33 Acrylamide	71	4.357	4.349	0.008	7	67	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.587	4.536	0.051	0	5468	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77	5.368	5.368	0.0	91	250807	5.46	
37 2-Methylcyclohexanone	68	5.373	5.376	-0.003	3	704	0	
38 3-Methylcyclohexanone	69	5.416	5.414	0.002	33	44001	0	
41 Phenol	94	5.432	5.432	0.0	99	393975	5.35	
39 4-Methylcyclohexanone	55	5.475	5.462	0.013	1	1703	0	
43 Aniline	93	5.464	5.464	0.0	96	464609	5.04	
42 Phenylmercaptan	110		5.473					9
44 Bis(2-chloroethyl)ether	93	5.523	5.523	0.0	93	292013	5.13	
46 2-Chlorophenol	128	5.577	5.577	0.0	97	316642	5.32	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.721	5.721	0.0	97	334003	5.21	
48 1,4-Dichlorobenzene	146	5.785	5.785	0.0	91	318496	5.00	
49 Benzyl alcohol	108	5.887	5.887	0.0	89	189875	5.18	
50 1,2-Dichlorobenzene	146	5.924	5.924	0.0	89	312733	5.15	
51 2-Methylphenol	108	5.983	5.983	0.0	98	275152	5.12	
52 2,2'-oxybis[1-chloropropane]	45	6.010	6.010	0.0	90	450054	5.39	
53 Indene	115		6.066					9
191 3 & 4 Methylphenol	108	6.117	6.117	0.0	97	286013	5.08	
56 N-Nitrosodi-n-propylamine	70	6.122	6.122	0.0	90	209094	5.24	
57 Acetophenone	105	6.128	6.128	0.0	91	404263	5.08	
55 N-Nitrosopyrrolidine	100		6.216					
60 Hexachloroethane	117	6.229	6.229	0.0	93	132858	5.13	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77	6.283	6.283	0.0	85	334517	5.38	
63 Isophorone	82	6.486	6.486	0.0	97	569958	5.22	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.561	6.561	0.0	96	153606	5.25	
66 1,3,5-Trichlorobenzene	180	6.572	6.572	0.0	95	285421	5.26	
64 2,4-Dimethylphenol	107	6.582	6.582	0.0	86	294825	5.13	
69 Benzoic acid	122	6.636	6.652	-0.016	85	313537	9.12	
68 Bis(2-chloroethoxy)methane	93	6.668	6.668	0.0	98	349360	5.04	
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162	6.764	6.764	0.0	96	238500	5.25	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.844	6.844	0.0	93	282220	5.21	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.914	6.914	0.0	94	885025	5.18	
74 4-Chloroaniline	127	6.951	6.951	0.0	86	357435	4.90	
77 Hexachlorobutadiene	225	7.016	7.015	0.001	91	154302	5.25	
78 1,2,3-Trichlorobenzene	180	7.037	7.037	0.0	89	253947	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					9
79 Benzothiazole	135		7.195					
83 Caprolactam	113	7.235	7.240	-0.005	73	84889	4.88	
80 Quinoline	129		7.259					
81 N-Nitrosodi-n-butylamine	84		7.328					
84 4-Chloro-3-methylphenol	107	7.352	7.352	0.0	96	254910	5.22	
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.508	7.508	0.0	89	550924	5.04	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.588	7.593	-0.005	91	527246	5.07	
87 1,2,3,5-Tetrachlorobenzene	216	7.636	7.636	0.0	97	273008	5.11	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	77	165596	5.20	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	92	174605	5.27	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	95	191109	5.36	
94 2,4-Toluene diamine	121	7.882	7.882	0.0	98	165571	4.75	
96 1,2,3,4 -Tetrachlorobenzene	216	7.887	7.887	0.0	94	268374	0	
95 1,1'-Biphenyl	154	7.898	7.898	0.0	95	681506	4.91	
98 2-Chloronaphthalene	162	7.919	7.919	0.0	97	549745	5.07	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65	8.000	8.000	0.0	86	170195	5.34	
99 Phenyl ether	170		8.040					9
103 Dimethyl phthalate	163	8.139	8.139	0.0	99	597391	5.18	
101 1,4-Naphthoquinone	158		8.168					
105 2,6-Dinitrotoluene	165	8.198	8.198	0.0	95	134607	5.28	
102 1,4-Dinitrobenzene	168		8.211					
106 1,2-Dinitrobenzene	168	8.240	8.246	-0.006	88	71362	5.57	
107 Acenaphthylene	152	8.272	8.272	0.0	93	924384	5.16	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.342	8.342	0.0	93	151625	5.25	
110 Acenaphthene	153	8.417	8.417	0.0	94	548978	5.09	
109 2,4-Dinitrophenol	184	8.428	8.427	0.001	87	161134	10.1	
111 4-Nitrophenol	109	8.465	8.465	0.0	93	84818	5.10	
112 2,4-Dinitrotoluene	165	8.535	8.534	0.001	90	183560	5.34	
114 Dibenzofuran	168	8.561	8.561	0.0	89	783678	4.90	
115 2,3,5,6-Tetrachlorophenol	232	8.620	8.620	0.0	93	161924	5.51	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.727	8.727	0.0	97	641579	5.32	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
118 2-Naphthylamine	143		8.799					9
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	92	319303	5.25	
124 Fluorene	166	8.850	8.850	0.0	93	653731	5.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.855	8.855	0.0	78	155435	5.04	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	80	106024	5.09	
120 Thionazin	97		8.901					9
130 N-Nitrosodiphenylamine	169		8.936					
122 N-Nitro-o-toluidine	152		8.954					9
131 Azobenzene	77	8.973	8.973	0.0	99	687806	5.15	
129 1,2-Diphenylhydrazine	77		8.973					
125 Tributyl phosphate	99		8.992					
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					9
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	62	183054	5.23	
228 Diallate Peak 1	86		9.275					14
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
139 Hexachlorobenzene	284	9.315	9.315	0.0	88	185672	5.16	
230 Diallate Peak 2	86		9.356					14
140 Atrazine	200	9.369	9.369	0.0	89	135295	5.26	
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.476	9.476	0.0	92	245077	10.3	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.663	9.663	0.0	97	922877	4.93	
147 Anthracene	178	9.711	9.711	0.0	97	934878	5.02	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167	9.834	9.834	0.0	82	926394	5.12	
148 DFTPP								
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	1059377	5.22	
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
156 Isodrin	66		10.655					
157 Fluoranthene	202	10.669	10.669	0.0	97	1084491	5.24	
158 Benzidine	184	10.765	10.765	0.0	99	388066	3.53	
160 Pyrene	202	10.867	10.866	0.001	98	1153139	5.02	
164 4,4'-DDE	246		10.925					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
163 4,4'-DDD	235		11.246					9
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	96	434286	4.74	
165 Famphur	218		11.522					
168 4,4'-DDT	235		11.551					9
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	12.022	12.022	0.0	85	85894	2.39	
172 4,4'-Methylene bis(2-chloroanili	231	12.059	12.059	0.0	66	154180	4.37	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	71	365637	4.69	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	97	640997	4.96	
175 Benzo[a]anthracene	228	12.107	12.107	0.0	97	1011253	5.03	
176 Chrysene	228	12.150	12.150	0.0	95	957357	5.00	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.953	12.952	0.001	99	916725	4.78	
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	87	964243	5.37	
181 Benzo[k]fluoranthene	252	13.589	13.594	-0.005	99	1033317	5.30	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	14.033	14.038	-0.005	76	946179	5.23	
183 3-Methylcholanthrene	268		14.774					
184 Dibenz[a,j]acridine	279		15.501					
185 Dibenz[a,h]acridine	279		15.576					
186 Indeno[1,2,3-cd]pyrene	276	15.723	15.723	0.0	97	1034570	5.18	
187 Dibenz(a,h)anthracene	278	15.750	15.750	0.0	68	851808	5.02	
188 Benzo[g,h,i]perylene	276	16.130	16.135	-0.005	92	896959	5.57	
S 189 Methyl Phenols,Total	100				0		5.12	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.208	0.0	7.208	72	36787	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.058	3.050	0.008	1	102	0	
T 194 Octadecane (TIC)	254	14.258	6.300	7.958	83	23413	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
4 - Failed Signal Ratio Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

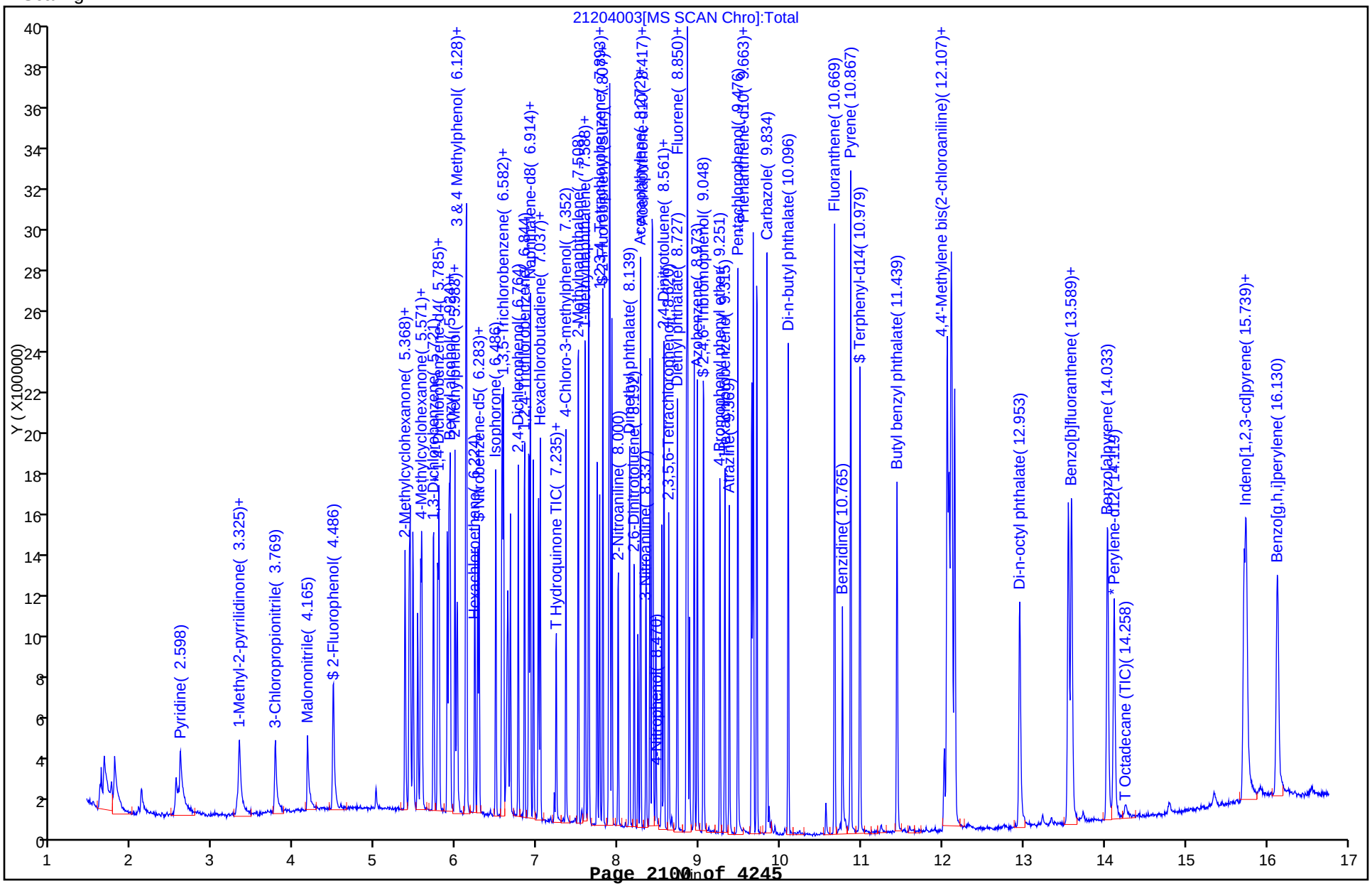
Report Date: 04-Dec-2012 12:56:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204003.D

Injection Date:	04-Dec-2012 09:45:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67225/25

Matrix: Solid | Lab File ID: 21204025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/04/2012 18:26

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | 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	4.96		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.98		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.28		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.21		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.42		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.02		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	7.87		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.50		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.32		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.22		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.12		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.34		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.25		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.32		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.91		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.28		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.10		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.14		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.53		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.11		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.82		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.02		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.32		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.18		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.10		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.30		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	5.20		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.20		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.25		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.17		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	3.97		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	6.89	^	0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67225/25

Matrix: Solid | Lab File ID: 21204025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/04/2012 18:26

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.60		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.38		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.32		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.11		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.08		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.25		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.39		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	2.85	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.08		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.92		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.34		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.08		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.08		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.11		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.04		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.36		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.69		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.39		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.41		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.20		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.17		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.37		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.92		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.50		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.74		0.00020	0.00010	0.00010
108-95-2	Phenol	5.20		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.09		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.46		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.50		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.36		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67225/25

Matrix: Solid | Lab File ID: 21204025.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/04/2012 18:26

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67225 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	102		50-150
367-12-4	2-Fluorophenol (Surr)	100		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	111	Q	50-150
4165-62-2	Phenol-d5 (Surr)	105	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	104		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	114		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204025.D		
Lims ID:	mrl qccl	Client ID:	
Inject. Date:	04-Dec-2012 18:26:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015502-025		
Misc. Info.:	mrl qccl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	67225	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m		
Last Update:	05-Dec-2012 13:46:36	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:	XAWRK027		
First Level Reviewer: gruberj		Date:	05-Dec-2012 09:22:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.769	5.769	0.0	97	222892	4.00	
* 2 Naphthalene-d8	136	6.893	6.892	0.001	100	864168	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	92	509717	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	937341	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	93	940963	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	97	791185	4.00	
$ 7 2-Fluorophenol	112	4.486	4.486	0.0	92	345909	5.02	
$ 8 Phenol-d5	99	5.422	5.422	0.0	89	461201	5.27	
$ 9 Nitrobenzene-d5	82	6.267	6.267	0.0	87	422234	5.56	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	100	840990	5.09	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	90	119808	5.68	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	99	907578	5.21	
19 Bis(4-hydroxyphenyl)methane	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
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					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
22 3-Methylcatechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
21 Octachlorostyrene	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
24 1,4-Dioxane	88	2.122	2.116	0.006	89	123161	4.76	
25 N-Nitrosodimethylamine	74	2.544	2.544	0.0	88	209331	4.89	
26 Pyridine	79	2.598	2.592	0.006	92	353724	4.77	
232 1-Methyl-2-pyrrilidinone	99	3.325	3.271	0.054	0	62254	0	
27 Ethyl methacrylate	69	3.325	3.325	0.0	91	294037	4.77	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.769	3.769	0.0	87	211342	5.14	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					9
32 Malononitrile	66	4.165	4.165	0.0	98	408602	5.27	
33 Acrylamide	71	4.341	4.349	-0.008	17	371	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					
233 n,n'-Dimethylacetamide	44	4.566	4.536	0.030	0	2092	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.368	5.368	0.0	96	322955	5.56	
37 2-Methylcyclohexanone	68	5.374	5.376	-0.002	1	171	0	
38 3-Methylcyclohexanone	69	5.416	5.414	0.002	25	52696	0	
41 Phenol	94	5.432	5.432	0.0	99	485349	5.20	
39 4-Methylcyclohexanone	55	5.432	5.462	-0.030	23	37620	0	
43 Aniline	93	5.464	5.464	0.0	98	602678	5.17	
42 Phenylmercaptan	110		5.473					9
44 Bis(2-chloroethyl)ether	93	5.523	5.523	0.0	92	368708	5.12	
46 2-Chlorophenol	128	5.577	5.577	0.0	95	387609	5.14	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.721	5.721	0.0	96	420623	5.18	
48 1,4-Dichlorobenzene	146	5.785	5.785	0.0	90	411734	5.10	
49 Benzyl alcohol	108	5.892	5.887	0.005	92	246845	5.32	
50 1,2-Dichlorobenzene	146	5.924	5.924	0.0	91	409409	5.32	
51 2-Methylphenol	108	5.983	5.983	0.0	95	345626	5.08	
52 2,2'-oxybis[1-chloropropane]	45	6.010	6.010	0.0	91	560156	5.30	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.117	6.117	0.0	97	364252	5.11	
56 N-Nitrosodi-n-propylamine	70	6.122	6.122	0.0	91	270958	5.37	
57 Acetophenone	105	6.128	6.128	0.0	92	528415	5.25	
55 N-Nitrosopyrrolidine	100		6.216					
60 Hexachloroethane	117	6.229	6.229	0.0	92	166578	5.08	
58 N-Nitrosomorpholine	56		6.248					
59 2-Toluidine	106		6.269					
61 Nitrobenzene	77	6.283	6.283	0.0	83	424901	5.41	
63 Isophorone	82	6.486	6.486	0.0	97	735999	5.34	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.561	6.561	0.0	95	192038	5.20	
66 1,3,5-Trichlorobenzene	180	6.572	6.572	0.0	97	366992	5.36	
64 2,4-Dimethylphenol	107	6.582	6.582	0.0	83	377989	5.20	
69 Benzoic acid	122	6.636	6.652	-0.016	85	331414	7.87	
68 Bis(2-chloroethoxy)methane	93	6.668	6.668	0.0	98	457118	5.22	
67 o,o',o''-Triethylphosphorothioat	198		6.740					
71 2,4-Dichlorophenol	162	6.764	6.764	0.0	94	300013	5.23	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
72 1,2,4-Trichlorobenzene	180	6.844	6.844	0.0	92	374008	5.46	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.914	6.914	0.0	97	1088059	5.04	
74 4-Chloroaniline	127	6.951	6.951	0.0	86	472301	5.13	
77 Hexachlorobutadiene	225	7.016	7.015	0.001	92	199982	5.39	
78 1,2,3-Trichlorobenzene	180	7.037	7.037	0.0	91	344449	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					9
79 Benzothiazole	135		7.195					9
83 Caprolactam	113	7.235	7.240	-0.005	76	111996	5.09	
80 Quinoline	129		7.259					9
81 N-Nitrosodi-n-butylamine	84		7.328					9
84 4-Chloro-3-methylphenol	107	7.353	7.352	0.001	91	325324	5.28	
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.508	7.508	0.0	89	702190	5.08	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.593	7.593	0.0	90	682388	5.19	
87 1,2,3,5-Tetrachlorobenzene	216	7.631	7.636	-0.005	95	368962	5.33	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	61	117728	2.85	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	92	230502	5.36	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	96	254625	5.50	
94 2,4-Toluene diamine	121	7.882	7.882	0.0	98	230694	5.24	
96 1,2,3,4 -Tetrachlorobenzene	216	7.887	7.887	0.0	94	345391	0	
95 1,1'-Biphenyl	154	7.898	7.898	0.0	93	874987	4.86	
98 2-Chloronaphthalene	162	7.920	7.919	0.001	96	717150	5.10	
227 Isosafrole Peak 2	162		7.960					
97 3,4-Dichloronitrobenzene	109		7.986					9
100 2-Nitroaniline	65	7.994	8.000	-0.006	84	221646	5.36	
99 Phenyl ether	170		8.040					9
103 Dimethyl phthalate	163	8.139	8.139	0.0	99	786064	5.25	
101 1,4-Naphthoquinone	158		8.168					
105 2,6-Dinitrotoluene	165	8.198	8.198	0.0	94	178529	5.38	
102 1,4-Dinitrobenzene	168		8.211					
106 1,2-Dinitrobenzene	168	8.246	8.246	0.0	90	91023	5.48	
107 Acenaphthylene	152	8.273	8.272	0.0	91	1152374	4.96	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.342	8.342	0.0	95	213214	5.69	
110 Acenaphthene	153	8.417	8.417	0.0	92	700874	5.01	
109 2,4-Dinitrophenol	184	8.428	8.427	0.001	84	123496	6.89	
111 4-Nitrophenol	109	8.465	8.465	0.0	95	111642	5.17	
112 2,4-Dinitrotoluene	165	8.535	8.534	0.001	91	250588	5.60	
114 Dibenzofuran	168	8.561	8.561	0.0	88	1041338	5.02	
115 2,3,5,6-Tetrachlorophenol	232	8.620	8.620	0.0	89	214379	5.62	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.727	8.727	0.0	97	813156	5.20	
116 1-Naphthylamine	143		8.735					
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
118 2-Naphthylamine	143		8.799					9
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	91	435987	5.53	
124 Fluorene	166	8.850	8.850	0.0	91	845994	5.08	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.856	8.855	0.001	75	216605	5.39	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	78	107841	3.97	
120 Thionazin	97		8.901					9
130 N-Nitrosodiphenylamine	169	8.936	8.936	0.0	0	635379	4.92	
122 N-Nitro-o-toluidine	152		8.954					
131 Azobenzene	77	8.973	8.973	0.0	99	881303	4.83	
129 1,2-Diphenylhydrazine	77	8.973	8.973	0.0	0	879673	4.82	
125 Tributyl phosphate	99		8.992					
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
133 1,3,5-Trinitrobenzene	213		9.238					9
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	60	250824	5.25	
228 Diallate Peak 1	86		9.275					14
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					
139 Hexachlorobenzene	284	9.315	9.315	0.0	90	258409	5.25	
230 Diallate Peak 2	86		9.356					
140 Atrazine	200	9.369	9.369	0.0	89	191511	5.44	
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.476	9.476	0.0	90	306678	9.50	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.663	9.663	0.0	97	1214651	4.74	
147 Anthracene	178	9.706	9.711	-0.005	98	1267090	4.98	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167	9.834	9.834	0.0	82	1212735	4.91	
148 DFTPP								
150 Methyl parathion	109		10.045					9
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	1435469	5.17	
152 Diphenylsulfone	125		10.169					9
153 Ethyl Parathion	97		10.366					9
154 4-Nitroquinoline-1-oxide	190		10.420					
155 Methapyrilene	58		10.463					
156 Isodrin	66		10.655					
157 Fluoranthene	202	10.669	10.669	0.0	97	1445533	5.11	
158 Benzidine	184	10.765	10.765	0.0	99	664433	4.48	
160 Pyrene	202	10.867	10.866	0.001	98	1527556	5.09	
164 4,4'-DDE	246		10.925					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
161 p-Dimethylamino azobenzene	225		11.233					
163 4,4'-DDD	235		11.246					9
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	96	639330	5.32	
165 Famphur	218		11.522					
168 4,4'-DDT	235		11.551					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	12.022	12.022	0.0	90	288356	4.95	
172 4,4'-Methylene bis(2-chloroanili	231	12.059	12.059	0.0	66	246102	5.29	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	62	542736	5.30	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	96	906207	5.34	
175 Benzo[a]anthracene	228	12.107	12.107	0.0	94	1385281	5.28	
176 Chrysene	228	12.150	12.150	0.0	95	1278530	5.11	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.953	12.952	0.001	99	1449079	5.32	
180 Benzo[b]fluoranthene	252	13.557	13.551	0.006	95	1368890	5.42	
181 Benzo[k]fluoranthene	252	13.594	13.594	0.0	95	1508581	5.50	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	14.038	14.038	0.0	77	1325950	5.21	
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	15.723	15.723	0.0	98	1378507	4.92	
187 Dibenz(a,h)anthracene	278	15.750	15.750	0.0	82	1147512	4.82	
188 Benzo[g,h,i]perylene	276	16.135	16.135	0.0	95	1136230	5.02	
S 189 Methyl Phenols,Total	100				0		5.08	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.213	0.0	7.213	91	60103	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.031	3.050	-0.019	15	376	0	
T 194 Octadecane (TIC)	254	13.733	6.300	7.433	87	36978	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

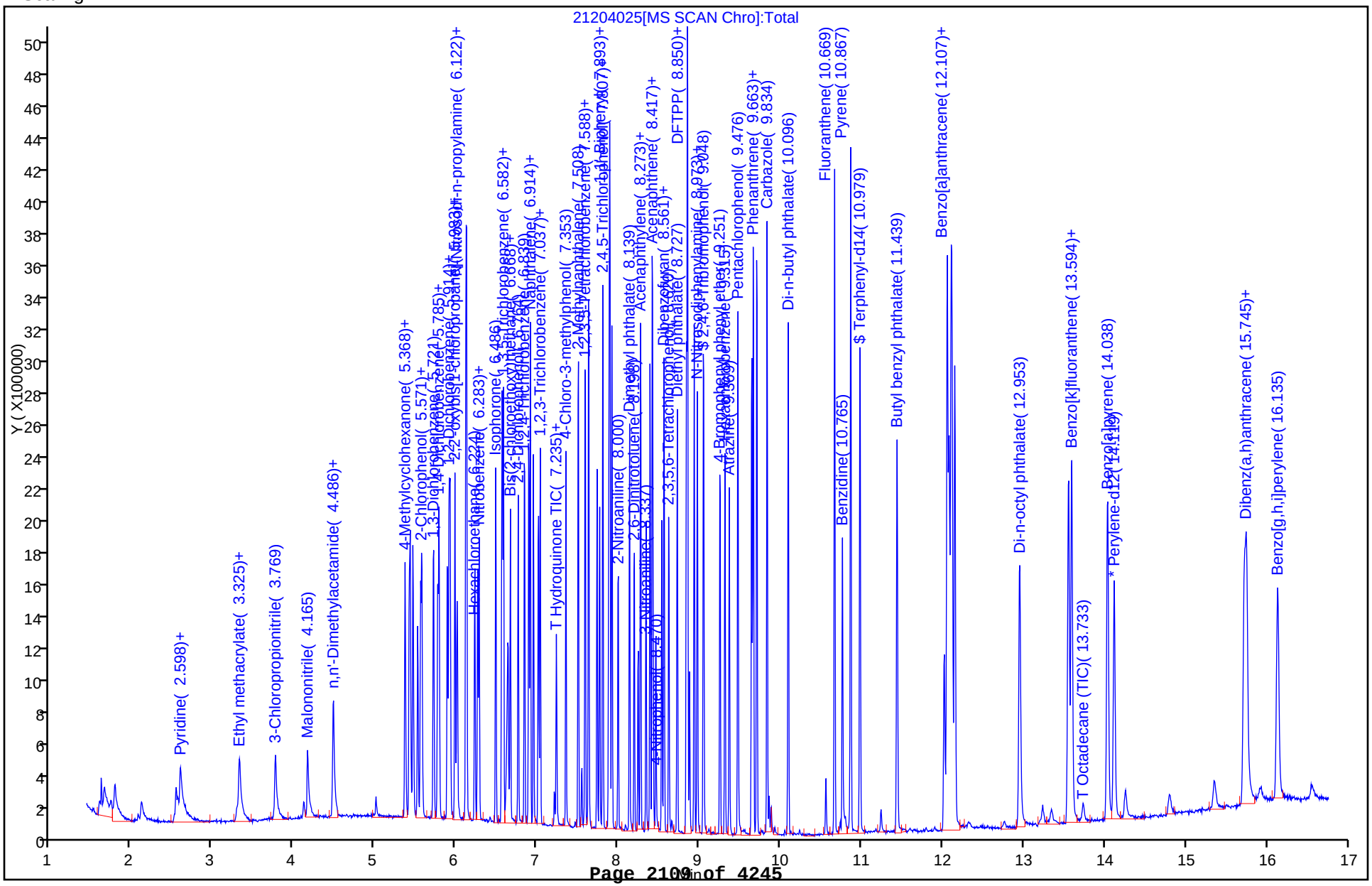
Report Date: 05-Dec-2012 13:46:52 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204025.D

Injection Date:	04-Dec-2012 18:26:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67368/3

Matrix: Solid | Lab File ID: 21205003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 08:51

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67368 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.11		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.10		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.96		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.65		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.85		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.73		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.82		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.86		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.03		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.05		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.10		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.08		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.73		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	4.99		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.65		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.80		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.06		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.96		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.87		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.12		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.90		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.76		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	5.09		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.03		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.10		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.07		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	4.86		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.16		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.89		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.94		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.13		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.86		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.69		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.95		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67368/3

Matrix: Solid | Lab File ID: 21205003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 08:51

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67368 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.18		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.41		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.68		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.82		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.97		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.11		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	4.99		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.37		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.92		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.89		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.94		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.87		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.18		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.18		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.86		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.07		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.32		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.53		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.10		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.99		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.74		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.23		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.92		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	8.82		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.76		0.00020	0.00010	0.00010
108-95-2	Phenol	5.26		0.0010	0.00080	0.00060
129-00-0	Pyrene	4.80		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.09		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.69		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.09		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67368/3

Matrix: Solid | Lab File ID: 21205003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 08:51

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67368 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	97		50-150
367-12-4	2-Fluorophenol (Surr)	100		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	99		50-150
4165-62-2	Phenol-d5 (Surr)	106	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	92		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	106		50-150

Report Date: 05-Dec-2012 11:40:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205003.D
Lims ID: mrl qc Client ID:
Inject. Date: 05-Dec-2012 08:51:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015535-003
Misc. Info.: MRL QC =MRL QC
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 67368 Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 05-Dec-2012 11:40:04 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.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: 05-Dec-2012 09:33:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.997	5.998	-0.001	85	211866	4.00	
* 2 Naphthalene-d8	136	7.109	7.109	0.0	98	870247	4.00	
* 3 Acenaphthene-d10	164	8.604	8.605	-0.001	66	540226	4.00	
* 4 Phenanthrene-d10	188	9.865	9.865	0.0	74	979261	4.00	
* 5 Chrysene-d12	240	12.456	12.456	0.0	75	1004915	4.00	
* 6 Perylene-d12	264	14.577	14.572	0.005	92	805162	4.00	
$ 7 2-Fluorophenol	112	4.763	4.764	-0.001	90	416977	5.00	
$ 8 Phenol-d5	99	5.634	5.640	-0.006	0	640007	5.32	
$ 9 Nitrobenzene-d5	82	6.478	6.478	0.0	85	661100	4.96	
$ 10 2-Fluorobiphenyl (Surr)	172	8.011	8.012	-0.001	94	869217	4.85	
$ 11 2,4,6-Tribromophenol	330	9.267	9.267	0.0	71	110957	5.30	
$ 12 Terphenyl-d14	244	11.227	11.228	-0.001	95	946567	4.60	
20 Dimethylformamide	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Octachlorostyrene	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
13 Octachlorocyclopentene	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
34 Methyl methanesulfonate	80		2.587					9
25 1,4-Dioxane	88	2.632	2.632	0.0	79	200321	4.87	
30 3-Picoline	93		2.651					9
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					9
26 N-Nitrosodimethylamine	74	3.123	3.118	0.005	77	292857	5.42	
27 Pyridine	79	3.171	3.172	-0.001	94	599458	5.44	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.770	3.770	0.0	78	559071	5.23	
232 1-Methyl-2-pyrrilidinone	99		3.880					
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					9
29 3-Chloropropionitrile	54	4.133	4.128	0.005	80	227926	5.83	
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					9
33 Malononitrile	66		4.507					
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					9
15 3-Methylcatechol	124		4.913					9
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					9
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.607	5.608	-0.001	82	519345	4.86	
43 Phenol	94	5.650	5.650	0.0	94	716780	5.26	
103 1,4-Naphthoquinone	158		5.680					
44 Aniline	93	5.698	5.698	0.0	94	877475	5.15	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
69 Bis(2-chloroethyl)ether	93	5.746	5.747	0.0	86	534548	5.08	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
46 2-Chlorophenol	128	5.805	5.805	0.0	86	376720	4.87	
47 1,3-Dichlorobenzene	146	5.949	5.950	-0.001	80	424516	5.10	
48 1,4-Dichlorobenzene	146	6.013	6.014	-0.001	81	426098	5.07	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108	6.104	6.104	0.0	84	322309	5.05	
50 1,2-Dichlorobenzene	146	6.147	6.147	0.0	76	407058	5.03	
117 1-Naphthylamine	143		6.166					9
51 2-Methylphenol	108	6.190	6.190	0.0	93	470982	5.18	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
53 2,2'-oxybis[1-chloropropane]	45	6.222	6.222	0.0	95	588745	5.49	
120 2-Naphthylamine	143		6.225					9
122 Thionazin	97		6.305					9
21 3 & 4 Methylphenol	108	6.318	6.318	0.0	91	501694	5.18	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 N-Nitrosodi-n-propylamine	70	6.334	6.334	0.0	72	498533	5.23	
58 Acetophenone	105	6.345	6.345	0.0	81	699756	4.98	
124 N-Nitro-o-toluidine	152		6.358					9
127 Tributyl phosphate	99		6.379					9
130 Diphenylamine	169		6.428					9
61 Hexachloroethane	117	6.452	6.452	0.0	90	193435	4.92	
62 Nitrobenzene	77	6.494	6.494	0.0	73	714700	5.10	
134 Sulfotepp	202		6.518					
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					9
230 Diallate Peak 2	86		6.695					
64 Isophorone	82	6.697	6.697	0.0	95	1264267	4.94	
140 Dimethoate	87		6.764					
66 2-Nitrophenol	139	6.772	6.772	0.0	84	190588	4.99	
67 1,3,5-Trichlorobenzene	180	6.783	6.783	0.0	80	389352	4.96	
65 2,4-Dimethylphenol	107	6.783	6.783	0.0	94	530266	4.94	
71 Benzoic acid	122	6.831	6.842	-0.011	75	363074	8.86	
70 Bis(2-chloroethoxy)methane	93	6.868	6.868	0.0	96	667094	5.10	
129 4-Aminobiphenyl	169		6.892					
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					9
73 2,4-Dichlorophenol	162	6.970	6.970	0.0	90	317922	5.16	
146 Disulfoton	88		7.010					9
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180	7.050	7.050	0.0	80	387931	5.09	
75 Naphthalene	128	7.125	7.125	0.0	80	1162676	4.86	
76 4-Chloroaniline	127	7.157	7.157	0.0	78	476705	5.04	
79 Hexachlorobutadiene	225	7.221	7.221	0.0	83	207649	4.99	
80 1,2,3-Trichlorobenzene	180		7.248					
152 Methyl parathion	109		7.282					9
84 Caprolactam	113	7.434	7.440	-0.006	81	147538	5.87	
86 4-Chloro-3-methylphenol	107	7.547	7.547	0.0	79	457861	5.06	
155 Ethyl Parathion	97		7.560					9
156 4-Nitroquinoline-1-oxide	190		7.613					
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142	7.712	7.712	0.0	86	729728	4.87	
88 1-Methylnaphthalene	142	7.798	7.798	0.0	80	719917	4.97	
158 Isodrin	66		7.816					
90 1,2,3,5-Tetrachlorobenzene	216	7.840	7.841	-0.001	80	385003	5.11	
89 Hexachlorocyclopentadiene	237	7.840	7.841	-0.001	61	189647	4.37	
92 2,4,6-Trichlorophenol	196	7.942	7.942	0.0	88	238188	5.09	
93 2,4,5-Trichlorophenol	196	7.974	7.974	0.0	88	241646	4.69	
97 2,4-Toluene diamine	121	8.081	8.086	-0.005	93	206790	4.85	
99 1,2,3,4 -Tetrachlorobenzene	216		8.097					
98 1,1'-Biphenyl	154	8.102	8.102	0.0	95	965248	4.95	
100 2-Chloronaphthalene	162	8.129	8.129	0.0	97	739246	4.96	
226 Aramite Peak 1	185		8.131					9
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65	8.204	8.204	0.0	71	351550	5.07	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.337	8.337	0.0	92	900845	5.13	
107 2,6-Dinitrotoluene	165	8.396	8.396	0.0	74	197591	5.41	
108 1,2-Dinitrobenzene	168	8.449	8.450	-0.001	75	96597	5.38	
167 Famphur	218		8.473					
109 Acenaphthylene	152	8.487	8.487	0.0	71	1211415	5.10	
169 3,3'-Dimethylbenzidine	212		8.516					
110 3-Nitroaniline	138	8.546	8.546	0.0	82	208764	5.32	
111 2,4-Dinitrophenol	184	8.631	8.631	0.0	63	198239	8.95	
112 Acenaphthene	153	8.631	8.631	0.0	87	769625	5.11	
113 4-Nitrophenol	109	8.658	8.658	0.0	84	137012	4.74	
171 2-Acetylaminofluorene	181		8.713					
114 2,4-Dinitrotoluene	165	8.738	8.738	0.0	75	253432	5.18	
116 Dibenzofuran	168	8.775	8.775	0.0	86	1107153	5.09	
118 2,3,5,6-Tetrachlorophenol	232	8.829	8.829	0.0	84	206331	4.83	
121 Diethyl phthalate	149	8.930	8.930	0.0	94	849358	4.89	
123 4-Chlorophenyl phenyl ether	204	9.048	9.048	0.0	88	478687	5.12	
125 4-Nitroaniline	138	9.064	9.064	0.0	75	228728	5.53	
126 Fluorene	166	9.064	9.064	0.0	66	914730	4.97	
128 4,6-Dinitro-2-methylphenol	198	9.085	9.085	0.0	70	157384	4.69	
131 N-Nitrosodiphenylamine	169	9.144	9.144	0.0	92	665153	4.92	
132 1,2-Diphenylhydrazine	77	9.187	9.187	0.0	100	1676494	5.09	
133 Azobenzene	77	9.187	9.187	0.0	93	1673174	5.08	
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248	9.464	9.470	-0.006	68	246400	4.99	
141 Hexachlorobenzene	284	9.534	9.529	0.005	80	254750	5.11	
179 6-Methylchrysene	242		9.576					
142 Atrazine	200	9.577	9.577	0.0	82	222430	5.16	
143 Pentachlorophenol	266	9.689	9.689	0.0	78	312878	8.82	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178	9.886	9.887	-0.001	82	1392441	4.76	
149 Anthracene	178	9.929	9.929	0.0	83	1454327	4.96	
150 DFTPP								
151 Carbazole	167	10.052	10.052	0.0	65	1259958	4.80	
154 Di-n-butyl phthalate	149	10.303	10.309	-0.006	98	1567937	4.86	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.902	10.902	0.0	76	1611111	4.82	
160 Benzidine	184	10.998	10.998	0.0	87	744632	4.41	
161 Pyrene	202	11.115	11.115	0.0	77	1668707	4.80	
166 4,4'-DDE	246		11.168					9
165 4,4'-DDD	235		11.547					
168 Butyl benzyl phthalate	149	11.714	11.719	-0.005	82	645562	4.65	
187 Dibenz[a,h]acridine	279		11.729					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.846					9
172 3,3'-Dimethoxybenzidine	244	12.339	12.339	0.0	78	317254	4.35	
174 4,4'-Methylene bis(2-chloroanili	231	12.387	12.387	0.0	66	269700	4.81	
175 3,3'-Dichlorobenzidine	252	12.387	12.387	0.0	65	540966	4.86	
173 Bis(2-ethylhexyl) phthalate	149	12.403	12.403	0.0	93	977433	4.73	
177 Benzo[a]anthracene	228	12.445	12.446	-0.001	71	1455532	4.65	
178 Chrysene	228	12.493	12.494	-0.001	82	1407233	4.90	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.332	13.332	0.0	99	1480884	4.68	
182 Benzo[b]fluoranthene	252	13.979	13.979	0.0	82	1319332	4.73	
183 Benzo[k]fluoranthene	252	14.021	14.021	0.0	83	1444820	5.03	
184 Benzo[a]pyrene	252	14.486	14.492	-0.006	76	1277753	4.85	
188 Indeno[1,2,3-cd]pyrene	276	16.270	16.271	0.0	83	1414321	4.89	
189 Dibenz(a,h)anthracene	278	16.297	16.297	0.0	69	1130492	4.76	
190 Benzo[g,h,i]perylene	276	16.735	16.741	-0.006	80	1170661	4.82	
S 191 Methyl Phenols,Total	100				0		10.4	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					1

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

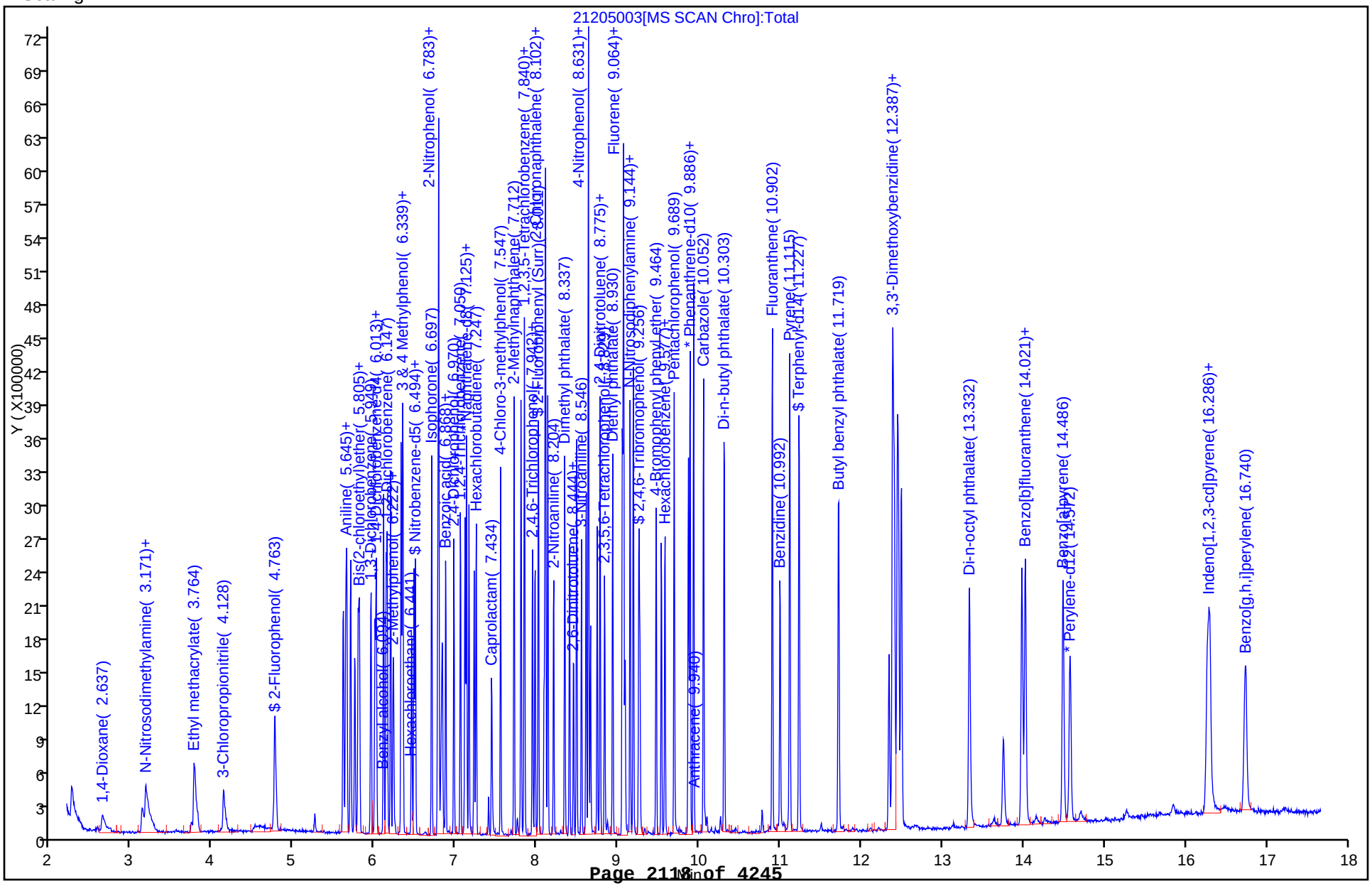
Report Date: 05-Dec-2012 11:40:06 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205003.D

Injection Date:	05-Dec-2012 08:51:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	3
Operator ID:	001574	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67368/15

Matrix: Solid | Lab File ID: 21205015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 13:34

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67368 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.67		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.72		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.88		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.88		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.83		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.66		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.80		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	7.98		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.03		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.04		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.96		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.13		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.70		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	4.93		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.79		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.67		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	4.80		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	4.56		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.91		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	4.62		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.75		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.85		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.53		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	4.89		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.89		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	4.83		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	4.85		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.66		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.56		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.65		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.76		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.00		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	6.45	^	0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67368/15

Matrix: Solid | Lab File ID: 21205015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 13:34

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67368 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	4.87		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	4.77		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.60		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.72		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.52		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.10		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	4.91		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	3.83		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.71		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.81		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.79		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.83		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.07		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.98		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.76		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.94		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	4.87		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.97		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	4.90		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.09		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.53		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.09		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.10		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	8.22		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.75		0.00020	0.00010	0.00010
108-95-2	Phenol	5.05		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.00		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	4.84		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.62		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.81		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67368/15

Matrix: Solid | Lab File ID: 21205015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 13:34

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67368 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	92		50-150
367-12-4	2-Fluorophenol (Surr)	102		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	100		50-150
4165-62-2	Phenol-d5 (Surr)	105	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	96		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	100		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205015.D
Lims ID: mrl qccl Client ID:
Inject. Date: 05-Dec-2012 13:34:30 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015535-015
Misc. Info.: MRL QCCL =MRL QCCL
Operator: 001574 Instrument ID: A4HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 67368 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\8270 _9.m
Last Update: 05-Dec-2012 15:38:24 Calib Date: 03-Dec-2012 15:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A4HP9\20121203-15467.b\21203010.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: 05-Dec-2012 14:24:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.996	5.998	-0.002	84	174823	4.00	
* 2 Naphthalene-d8	136	7.107	7.109	-0.002	97	715853	4.00	
* 3 Acenaphthene-d10	164	8.603	8.605	-0.002	65	457540	4.00	
* 4 Phenanthrene-d10	188	9.864	9.865	-0.001	78	774573	4.00	
* 5 Chrysene-d12	240	12.455	12.456	-0.001	77	779049	4.00	
* 6 Perylene-d12	264	14.570	14.572	-0.002	76	639420	4.00	
$ 7 2-Fluorophenol	112	4.762	4.764	-0.002	90	351808	5.11	
$ 8 Phenol-d5	99	5.638	5.640	-0.002	0	522687	5.26	
$ 9 Nitrobenzene-d5	82	6.477	6.478	-0.001	83	548674	5.01	
$ 10 2-Fluorobiphenyl (Surr)	172	8.015	8.012	0.003	98	701071	4.61	
$ 11 2,4,6-Tribromophenol	330	9.265	9.267	-0.002	76	88948	5.02	
$ 12 Terphenyl-d14	244	11.231	11.228	0.003	95	766839	4.80	
20 Dimethylformamide	1		0.000					
22 Bis(2-hydroxyphenyl)methane	1		0.000					
18 Bis(4-hydroxyphenyl)methane	1		0.000					
23 2,5-Dichlorophenol	1		0.000					
13 Octachlorocyclopentene	1		0.000					
19 Octachlorostyrene	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
31 2-Picoline	93		2.310					9
32 N-Nitrosomethylethylamine	88		2.374					
34 Methyl methanesulfonate	80		2.587					9
25 1,4-Dioxane	88	2.630	2.632	-0.002	85	193310	5.70	
30 3-Picoline	93		2.651					
233 n,n'-Dimethylacetamide	44		2.662					
35 Acrylamide	71		2.744					
36 N-Nitrosodiethylamine	102		2.897					
37 Ethyl methanesulfonate	79		3.105					
26 N-Nitrosodimethylamine	74	3.127	3.118	0.009	84	235133	5.27	
27 Pyridine	79	3.175	3.172	0.003	90	474600	5.22	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
38 2-Methylcyclohexanone	68		3.292					
39 3-Methylcyclohexanone	69		3.319					
40 4-Methylcyclohexanone	55		3.356					
45 Pentachloroethane	167		3.501					
42 Phenylmercaptan	110		3.596					
28 Ethyl methacrylate	69	3.763	3.770	-0.007	82	447059	5.07	
232 1-Methyl-2-pyrrilidinone	99		3.880					14
56 N-Nitrosopyrrolidine	100		3.992					
59 N-Nitrosomorpholine	56		4.013					9
60 2-Toluidine	106		4.040					9
52 Indene	115		4.084					
29 3-Chloropropionitrile	54	4.132	4.128	0.004	80	153278	4.75	
63 N-Nitrosopiperidine	114		4.254					
68 o,o',o''-Triethylphosphorothioat	198		4.435					
17 4-Chlorophenol	128		4.500					
33 Malononitrile	66		4.507					
24 Catechol	110		4.592					9
72 alpha,alpha-Dimethyl phenethylam	58		4.601					
77 2,6-Dichlorophenol	162		4.729					
78 Hexachloropropene	213		4.756					
15 3-Methylcatechol	124		4.913					
83 N-Nitrosodi-n-butylamine	84		4.953					
85 p-Phenylene diamine	108		4.969					
14 4-Methylcatechol	124		5.036					
81 Benzothiazole	135		5.046					
82 Quinoline	129		5.099					
94 Safrole, Total	162		5.119					
91 1,2,4,5-Tetrachlorobenzene	216		5.327					
225 Isosafrole Peak 1	162		5.333					
227 Isosafrole Peak 2	162		5.498					
41 Benzaldehyde	77	5.606	5.608	-0.002	83	435866	4.95	
43 Phenol	94	5.649	5.650	-0.001	96	568560	5.05	
103 1,4-Naphthoquinone	158		5.680					
44 Aniline	93	5.697	5.698	-0.001	94	711166	5.06	
104 1,4-Dinitrobenzene	168		5.712					
96 3,4-Dichloronitrobenzene	109		5.725					
69 Bis(2-chloroethyl)ether	93	5.750	5.747	0.004	95	445847	5.13	
106 1,3-Dinitrobenzene	168		5.771					
101 Phenyl ether	170		5.773					
46 2-Chlorophenol	128	5.804	5.805	-0.001	87	313310	4.91	
47 1,3-Dichlorobenzene	146	5.948	5.950	-0.002	79	335436	4.89	
48 1,4-Dichlorobenzene	146	6.012	6.014	-0.002	76	341201	4.92	
115 Pentachlorobenzene	250		6.091					
49 Benzyl alcohol	108	6.103	6.104	-0.001	83	265090	5.04	
50 1,2-Dichlorobenzene	146	6.146	6.147	-0.001	72	325983	4.89	
117 1-Naphthylamine	143		6.166					9
51 2-Methylphenol	108	6.188	6.190	-0.002	93	380218	5.07	
119 2,3,4,6-Tetrachlorophenol	232		6.203					
53 2,2'-oxybis[1-chloropropane]	45	6.220	6.222	-0.002	95	473195	5.35	
120 2-Naphthylamine	143		6.225					9
122 Thionazin	97		6.305					9
21 3 & 4 Methylphenol	108	6.317	6.318	-0.001	93	398153	4.98	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
57 N-Nitrosodi-n-propylamine	70	6.333	6.334	-0.001	70	401018	5.09	
58 Acetophenone	105	6.343	6.345	-0.002	79	545513	4.70	
124 N-Nitro-o-toluidine	152		6.358					9
127 Tributyl phosphate	99		6.379					9
130 Diphenylamine	169		6.428					9
61 Hexachloroethane	117	6.450	6.452	-0.002	89	152765	4.71	
62 Nitrobenzene	77	6.493	6.494	-0.001	71	565660	4.90	
134 Sulfotepp	202		6.518					9
135 1,3,5-Trinitrobenzene	213		6.614					
228 Diallate Peak 1	86		6.630					9
138 Phorate	121		6.636					9
137 Phenacetin	108		6.641					9
230 Diallate Peak 2	86		6.695					
64 Isophorone	82	6.696	6.697	-0.001	95	1006670	4.79	
140 Dimethoate	87		6.764					9
66 2-Nitrophenol	139	6.771	6.772	-0.001	87	159890	5.09	
67 1,3,5-Trichlorobenzene	180	6.781	6.783	-0.002	84	313134	4.85	
65 2,4-Dimethylphenol	107	6.781	6.783	-0.002	94	403134	4.56	
71 Benzoic acid	122	6.824	6.842	-0.018	77	261788	7.98	
70 Bis(2-chloroethoxy)methane	93	6.867	6.868	-0.001	98	533458	4.96	
129 4-Aminobiphenyl	169		6.892					
145 Pentachloronitrobenzene	237		6.919					
144 Pronamide	173		6.919					9
73 2,4-Dichlorophenol	162	6.968	6.970	-0.002	89	246115	4.85	
146 Disulfoton	88		7.010					
147 Dinoseb	211		7.020					
74 1,2,4-Trichlorobenzene	180	7.054	7.050	0.004	79	303391	4.84	
75 Naphthalene	128	7.123	7.125	-0.002	97	935730	4.76	
76 4-Chloroaniline	127	7.155	7.157	-0.002	78	365553	4.70	
79 Hexachlorobutadiene	225	7.219	7.221	-0.002	83	167845	4.91	
80 1,2,3-Trichlorobenzene	180		7.248					
152 Methyl parathion	109		7.282					9
84 Caprolactam	113	7.433	7.440	-0.007	78	121130	5.86	
86 4-Chloro-3-methylphenol	107	7.545	7.547	-0.002	79	357335	4.80	
155 Ethyl Parathion	97		7.560					9
156 4-Nitroquinoline-1-oxide	190		7.613					9
153 Diphenylsulfone	125		7.616					9
157 Methapyrilene	58		7.645					9
87 2-Methylnaphthalene	142	7.711	7.712	-0.001	83	594869	4.83	
88 1-Methylnaphthalene	142	7.796	7.798	-0.002	78	584256	4.90	
158 Isodrin	66		7.816					
90 1,2,3,5-Tetrachlorobenzene	216	7.839	7.841	-0.002	83	319374	5.00	
89 Hexachlorocyclopentadiene	237	7.839	7.841	-0.002	58	141024	3.83	
92 2,4,6-Trichlorophenol	196	7.941	7.942	-0.001	89	190495	4.81	
93 2,4,5-Trichlorophenol	196	7.973	7.974	-0.001	92	201528	4.62	
97 2,4-Toluene diamine	121	8.079	8.086	-0.007	96	172604	4.92	
99 1,2,3,4 -Tetrachlorobenzene	216		8.097					
98 1,1'-Biphenyl	154	8.101	8.102	-0.001	93	775725	4.69	
100 2-Chloronaphthalene	162	8.128	8.129	-0.002	94	575390	4.56	
226 Aramite Peak 1	185		8.131					9
229 Aramite Peak 2	185		8.185					9
102 2-Nitroaniline	65	8.202	8.204	-0.002	74	289927	4.94	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
163 p-Dimethylamino azobenzene	225		8.276					
164 Chlorobenzilate	139		8.297					9
105 Dimethyl phthalate	163	8.336	8.337	-0.001	92	691418	4.65	
107 2,6-Dinitrotoluene	165	8.395	8.396	-0.001	75	147427	4.77	
108 1,2-Dinitrobenzene	168	8.448	8.450	-0.002	78	73370	4.83	
167 Famphur	218		8.473					
109 Acenaphthylene	152	8.485	8.487	-0.002	86	949751	4.72	
169 3,3'-Dimethylbenzidine	212		8.516					
110 3-Nitroaniline	138	8.544	8.546	-0.002	81	161895	4.87	
111 2,4-Dinitrophenol	184	8.630	8.631	-0.001	56	110381	6.45	
112 Acenaphthene	153	8.630	8.631	-0.001	88	595497	4.67	
113 4-Nitrophenol	109	8.656	8.658	-0.002	79	110786	4.53	
171 2-Acetylaminofluorene	181		8.713					9
114 2,4-Dinitrotoluene	165	8.737	8.738	-0.001	72	201884	4.87	
116 Dibenzofuran	168	8.774	8.775	-0.001	84	835035	4.53	
118 2,3,5,6-Tetrachlorophenol	232	8.827	8.829	-0.002	81	162493	4.49	
121 Diethyl phthalate	149	8.929	8.930	-0.001	94	685081	4.66	
123 4-Chlorophenyl phenyl ether	204	9.046	9.048	-0.002	88	365198	4.62	
125 4-Nitroaniline	138	9.062	9.064	-0.002	76	174062	4.97	
126 Fluorene	166	9.068	9.064	0.004	63	705015	4.52	
128 4,6-Dinitro-2-methylphenol	198	9.084	9.085	-0.001	75	103121	4.00	
131 N-Nitrosodiphenylamine	169	9.143	9.144	-0.001	94	545641	5.10	
132 1,2-Diphenylhydrazine	77	9.185	9.187	-0.002	100	1267817	4.87	
133 Azobenzene	77	9.185	9.187	-0.002	92	1267828	4.87	
176 Hexabromobenzene	232		9.208					
139 4-Bromophenyl phenyl ether	248	9.468	9.470	-0.002	67	192476	4.93	
141 Hexachlorobenzene	284	9.532	9.529	0.003	77	200812	5.10	
179 6-Methylchrysene	242		9.576					
142 Atrazine	200	9.575	9.577	-0.002	78	181405	5.32	
143 Pentachlorophenol	266	9.687	9.689	-0.002	74	229394	8.22	
181 7,12-Dimethylbenz(a)anthracene	256		9.856					
148 Phenanthrene	178	9.885	9.887	-0.002	83	1098614	4.75	
149 Anthracene	178	9.928	9.929	-0.001	83	1132349	4.88	
150 DFTPP								
151 Carbazole	167	10.051	10.052	-0.001	65	969103	4.67	
154 Di-n-butyl phthalate	149	10.307	10.309	-0.002	100	1213281	4.76	
185 3-Methylcholanthrene	268		10.594					
159 Fluoranthene	202	10.900	10.902	-0.002	78	1246670	4.72	
160 Benzidine	184	10.996	10.998	-0.002	87	554740	4.26	
161 Pyrene	202	11.114	11.115	-0.001	72	1346480	5.00	
166 4,4'-DDE	246		11.168					9
165 4,4'-DDD	235		11.547					
168 Butyl benzyl phthalate	149	11.717	11.719	-0.002	87	515182	4.79	
187 Dibenz[a,h]acridine	279		11.729					
186 Dibenz[a,j]acridine	279		11.804					
170 4,4'-DDT	235		11.846					9
172 3,3'-Dimethoxybenzidine	244	12.342	12.339	0.003	80	253999	4.47	
174 4,4'-Methylene bis(2-chloroanili	231	12.385	12.387	-0.002	67	201849	4.64	
175 3,3'-Dichlorobenzidine	252	12.385	12.387	-0.002	69	416647	4.83	
173 Bis(2-ethylhexyl) phthalate	149	12.407	12.403	0.004	94	752189	4.70	
177 Benzo[a]anthracene	228	12.444	12.446	-0.002	81	1184774	4.88	
178 Chrysene	228	12.492	12.494	-0.002	83	1056567	4.75	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
180 Di-n-octyl phthalate	149	13.331	13.332	-0.001	98	1155678	4.60	
182 Benzo[b]fluoranthene	252	13.977	13.979	-0.002	80	1033422	4.66	
183 Benzo[k]fluoranthene	252	14.020	14.021	-0.001	81	1146552	5.03	
184 Benzo[a]pyrene	252	14.490	14.492	-0.002	77	1010063	4.83	
188 Indeno[1,2,3-cd]pyrene	276	16.264	16.271	-0.006	81	1106057	4.81	
189 Dibenz(a,h)anthracene	278	16.296	16.297	-0.001	47	914049	4.85	
190 Benzo[g,h,i]perylene	276	16.734	16.741	-0.007	77	926413	4.80	
S 191 Methyl Phenols,Total	100				0		10.0	
S 95 Isosafrole	162		5.568					7
S 136 Diallate	86		6.701					7
S 162 Aramite, Total	185		8.271					7
T 194 Decane TIC	57		0.000					1
T 195 Hydroquinone TIC	110		0.000					
T 192 Octadecane (TIC)	57		0.000					1
T 240 Trimethyl phosphate TIC	110		3.120					1
T 234 2-Isopropylphenol TIC	121		4.623					1
T 235 4-isopropylphenol TIC	121		4.756					1
T 236 3-isopropylphenol TIC	121		4.756					1
T 193 Hexamethylphosphoramide TIC	135		5.100					
T 237 3-(1,1-Dimethylethyl Phenol) TIC	135		5.110					
T 196 Kepone TIC	272		8.281					
T 242 Triphenyl Phosphate TIC	326		8.700					1
T 238 2,3,7,8-TCDD TIC	1		9.000					1
T 231 2,3,7,8-TCDD	322		9.150					
T 197 Hexachlorophene TIC	198		9.269					
T 241 Tricresyl phosphate TIC	368		9.372					1
T 239 Tris(2,3-dibromopropyl)phosphate	201		10.600					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

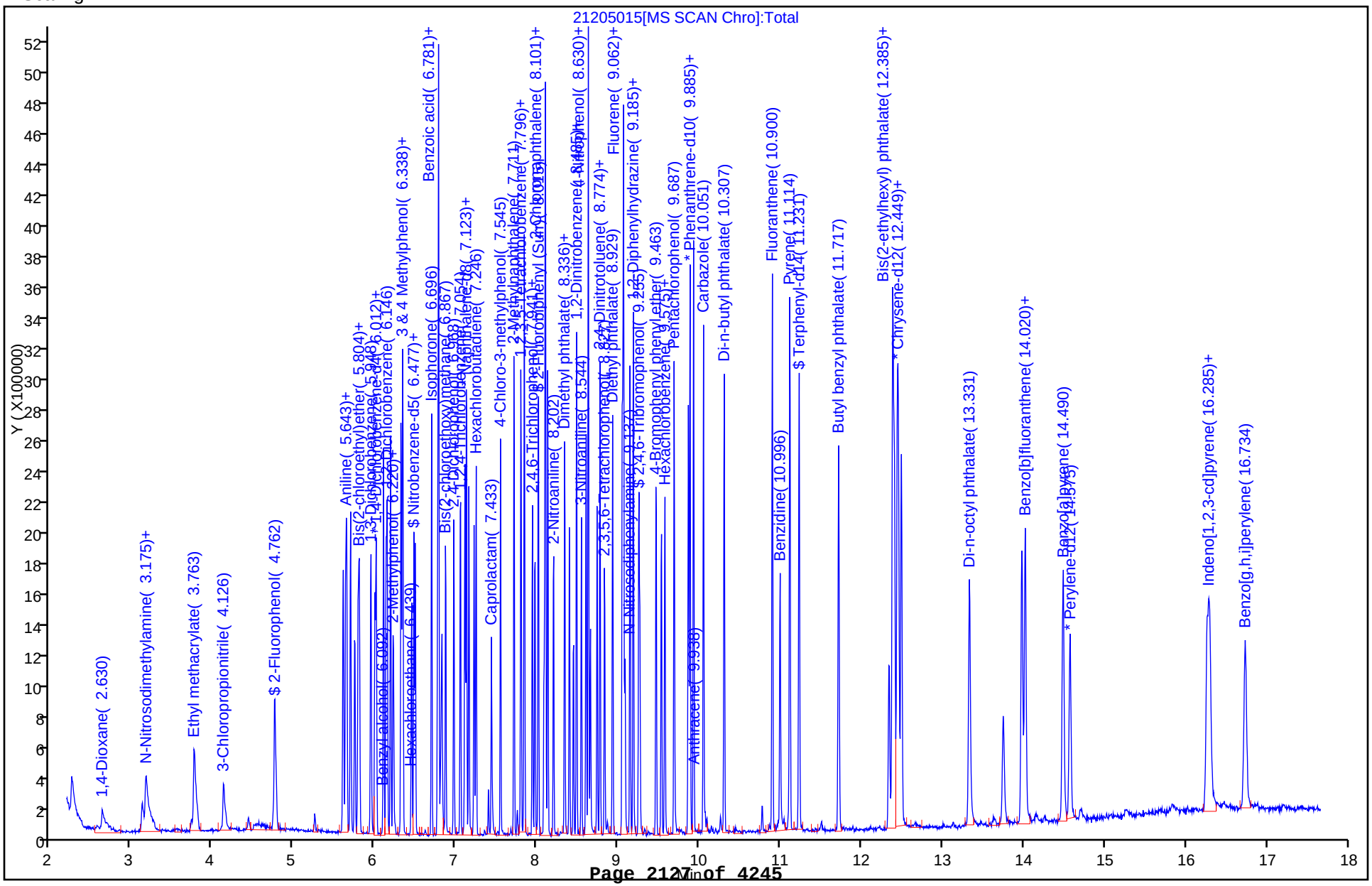
Report Date: 05-Dec-2012 15:38:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP9\20121205-15535.b\21205015.D

Injection Date:	05-Dec-2012 13:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP9
Lims Batch ID:	67368	Lims Sample ID:	15
Operator ID:	001574	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67390/3

Matrix: Solid | Lab File ID: 21205003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 09:56

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67390 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.10		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.03		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.06		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.10		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.12		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.44		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.40		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.33		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.25		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.16		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	4.94		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.13		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.09		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.11		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.17		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.99		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.19		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.04		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.19		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.26		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.10		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.95		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.99		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.19		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.24		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.14		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.25		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.21		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.07		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.23		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.04		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.13		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.85		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.30		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67390/3

Matrix: Solid | Lab File ID: 21205003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 09:56

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67390 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.19		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.05		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	5.03		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.20		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.21		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	4.94		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.20		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.71		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.05		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.96		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.06		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.02		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.08		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.12		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.20		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.25		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.23		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.97		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.16		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.40		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.00		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.15		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.97		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.84		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.79		0.00020	0.00010	0.00010
108-95-2	Phenol	5.10		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.28		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.12		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.27		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.30		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67390/3

Matrix: Solid | Lab File ID: 21205003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 09:56

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67390 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	101		50-150
367-12-4	2-Fluorophenol (Surr)	106	Q	50-150
4165-60-0	Nitrobenzene-d5 (Surr)	106	Q	50-150
4165-62-2	Phenol-d5 (Surr)	103	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	103		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	111		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205003.D		
Lims ID:	mrl qc	Client ID:	
Inject. Date:	05-Dec-2012 09:56:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015541-003		
Misc. Info.:	mrl qc		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	67390	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m		
Last Update:	06-Dec-2012 08:49:41	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:	XAWRK028		
First Level Reviewer: gruberj		Date:	05-Dec-2012 10:46:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.730	5.730	0.0	96	183041	4.00	
* 2 Naphthalene-d8	136	6.858	6.859	-0.001	99	698981	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	92	395697	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	97	682268	4.00	
* 5 Chrysene-d12	240	12.057	12.057	0.0	95	667929	4.00	
* 6 Perylene-d12	264	14.036	14.036	0.0	96	557783	4.00	
$ 7 2-Fluorophenol	112	4.436	4.430	0.006	91	299514	5.29	
$ 8 Phenol-d5	99	5.382	5.382	0.0	96	368571	5.13	
$ 9 Nitrobenzene-d5	82	6.227	6.227	0.0	90	324637	5.28	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	99	646801	5.04	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	91	90849	5.55	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	98	638657	5.16	
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
24 1,4-Dioxane	88	2.055	2.023	0.032	91	110464	5.20	
25 N-Nitrosodimethylamine	74	2.473	2.462	0.011	88	189616	5.36	
26 Pyridine	79	2.526	2.494	0.032	95	315968	5.19	
27 Ethyl methacrylate	69	3.248	3.248	0.0	92	256696	5.08	
232 1-Methyl-2-pyrrilidinone	99	3.253	3.271	-0.018	0	46915	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.708	3.703	0.005	90	178359	5.28	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.115	4.115	0.0	98	349497	5.49	
33 Acrylamide	71	4.355	4.349	0.006	44	71	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					9
233 n,n'-Dimethylacetamide	44	4.510	4.536	-0.026	0	543	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					9
40 Benzaldehyde	77	5.329	5.324	0.005	89	253135	5.30	
37 2-Methylcyclohexanone	68	5.377	5.376	0.001	29	14041	0	
41 Phenol	94	5.393	5.393	0.0	99	390793	5.10	
38 3-Methylcyclohexanone	69	5.414	5.414	0.0	1	607	0	
43 Aniline	93	5.425	5.425	0.0	89	491811	5.13	
39 4-Methylcyclohexanone	55	5.484	5.462	0.022	1	2137	0	
42 Phenylmercaptan	110		5.473					
44 Bis(2-chloroethyl)ether	93	5.484	5.484	0.0	95	303416	5.13	
46 2-Chlorophenol	128	5.532	5.532	0.0	97	321339	5.19	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.676	5.677	-0.001	96	349681	5.24	
48 1,4-Dichlorobenzene	146	5.746	5.746	0.0	93	340789	5.14	
49 Benzyl alcohol	108	5.853	5.853	0.0	92	196697	5.16	
50 1,2-Dichlorobenzene	146	5.885	5.885	0.0	90	327681	5.19	
51 2-Methylphenol	108	5.944	5.944	0.0	95	283675	5.08	
52 2,2'-oxybis[1-chloropropane]	45	5.976	5.976	0.0	90	442209	5.09	
53 Indene	115		6.066					
191 3 & 4 Methylphenol	108	6.078	6.078	0.0	97	299621	5.12	
57 Acetophenone	105	6.088	6.088	0.0	91	421017	5.09	
56 N-Nitrosodi-n-propylamine	70	6.088	6.088	0.0	90	213542	5.15	
60 Hexachloroethane	117	6.190	6.190	0.0	93	136059	5.05	
55 N-Nitrosopyrrolidine	100		6.216					9
61 Nitrobenzene	77	6.243	6.243	0.0	85	327533	5.16	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.452	6.452	0.0	99	564200	5.06	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.522	6.522	0.0	96	161276	5.40	
66 1,3,5-Trichlorobenzene	180	6.532	6.532	0.0	94	286246	5.16	
64 2,4-Dimethylphenol	107	6.548	6.548	0.0	93	307130	5.23	
69 Benzoic acid	122	6.602	6.618	-0.016	85	328979	9.33	
68 Bis(2-chloroethoxy)methane	93	6.634	6.634	0.0	99	349583	4.94	
71 2,4-Dichlorophenol	162	6.725	6.730	-0.005	96	242041	5.21	
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	6.805	6.805	0.0	93	283701	5.12	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.875	6.875	0.0	95	908161	5.20	
74 4-Chloroaniline	127	6.912	6.912	0.0	86	373265	5.01	
77 Hexachlorobutadiene	225	6.976	6.976	0.0	93	155913	5.20	
78 1,2,3-Trichlorobenzene	180	6.998	6.998	0.0	90	261478	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					
83 Caprolactam	113	7.195	7.201	-0.006	75	89859	5.05	
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.313	7.313	0.0	96	258837	5.19	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.463	7.468	-0.005	89	561150	5.02	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.548	7.549	-0.001	84	540741	5.09	
87 1,2,3,5-Tetrachlorobenzene	216	7.591	7.591	0.0	96	276403	5.14	
88 Hexachlorocyclopentadiene	237	7.597	7.597	0.0	81	151028	4.71	
90 2,4,6-Trichlorophenol	196	7.698	7.698	0.0	91	176875	5.30	
91 2,4,5-Trichlorophenol	196	7.730	7.730	0.0	94	189469	5.27	
89 1,2,4,5-Tetrachlorobenzene	216	7.848	7.751	0.097	96	267415	5.35	
225 Isosafrole Peak 1	162		7.767					
94 2,4-Toluene diamine	121	7.843	7.843	0.0	97	199159	5.60	
96 1,2,3,4 -Tetrachlorobenzene	216	7.848	7.848	0.0	94	267415	0	
95 1,1'-Biphenyl	154	7.859	7.859	0.0	94	684217	4.90	
98 2-Chloronaphthalene	162	7.880	7.880	0.0	96	550575	5.04	
100 2-Nitroaniline	65	7.955	7.955	0.0	80	168278	5.25	
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	8.099	8.099	0.0	98	585929	5.04	
105 2,6-Dinitrotoluene	165	8.158	8.158	0.0	96	129404	5.05	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.201	8.206	-0.005	87	68326	5.30	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.233	8.233	0.0	90	907409	5.03	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.303	8.303	0.0	96	152006	5.23	
110 Acenaphthene	153	8.377	8.378	-0.001	85	553473	5.10	
109 2,4-Dinitrophenol	184	8.388	8.388	0.0	80	145883	9.30	
111 4-Nitrophenol	109	8.420	8.426	-0.006	91	83695	5.00	
112 2,4-Dinitrotoluene	165	8.495	8.495	0.0	84	179024	5.19	
114 Dibenzofuran	168	8.522	8.522	0.0	87	803298	4.99	
115 2,3,5,6-Tetrachlorophenol	232	8.581	8.581	0.0	93	160051	5.40	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.688	8.688	0.0	97	615797	5.07	
116 1-Naphthylamine	143		8.735					9
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
118 2-Naphthylamine	143		8.799					9
121 4-Chlorophenyl phenyl ether	204	8.800	8.800	0.0	90	322000	5.26	
124 Fluorene	166	8.811	8.811	0.0	85	674043	5.21	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.816	8.816	0.0	67	154486	4.97	
126 4,6-Dinitro-2-methylphenol	198	8.837	8.838	-0.001	85	99756	4.85	
130 N-Nitrosodiphenylamine	169	8.896	8.896	0.0	0	467910	4.97	
120 Thionazin	97		8.901					
131 Azobenzene	77	8.934	8.934	0.0	99	672001	5.06	
129 1,2-Diphenylhydrazine	77	8.934	8.934	0.0	0	671209	5.06	
122 N-Nitro-o-toluidine	152		8.954					
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248	9.212	9.212	0.0	63	177822	5.11	
133 1,3,5-Trinitrobenzene	213		9.238					9
139 Hexachlorobenzene	284	9.271	9.271	0.0	87	177137	4.94	
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
140 Atrazine	200	9.330	9.330	0.0	89	142737	5.57	
230 Diallate Peak 2	86		9.356					
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.431	9.431	0.0	86	231817	9.84	
127 4-Aminobiphenyl	169		9.575					9
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.624	9.624	0.0	97	893499	4.79	
147 Anthracene	178	9.667	9.667	-0.001	97	937739	5.06	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.795	9.795	0.0	82	898533	4.99	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.057	10.057	0.0	100	1035484	5.13	
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	10.624	10.624	0.0	97	1069570	5.20	
156 Isodrin	66		10.655					9
158 Benzidine	184	10.720	10.720	0.0	99	538003	5.03	
160 Pyrene	202	10.822	10.822	0.0	96	1124356	5.28	
164 4,4'-DDE	246		10.881					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.228					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.389	11.389	0.0	98	440722	5.17	
168 4,4'-DDT	235		11.496					
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	11.961	11.961	0.0	88	176755	4.39	
173 3,3'-Dichlorobenzidine	252	11.999	11.999	0.0	64	381285	5.25	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	11.999	11.999	0.0	71	171888	5.21	
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	96	611063	5.09	
175 Benzo[a]anthracene	228	12.041	12.041	0.0	95	950353	5.10	
176 Chrysene	228	12.089	12.090	-0.001	93	905424	5.10	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.881	12.881	0.0	99	961599	5.03	
180 Benzo[b]fluoranthene	252	13.475	13.475	0.0	93	968187	5.44	
181 Benzo[k]fluoranthene	252	13.512	13.518	-0.006	95	1015216	5.25	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.951	13.951	0.0	75	917030	5.12	
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	15.625	15.630	-0.005	93	980635	4.96	
187 Dibenz(a,h)anthracene	278	15.657	15.657	0.0	84	831824	4.95	
188 Benzo[g,h,i]perylene	276	16.031	16.031	0.0	92	862122	5.40	
S 189 Methyl Phenols,Total	100				0		5.08	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.174	0.0	7.174	74	44327	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	2.911	3.050	-0.139	1	191	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
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

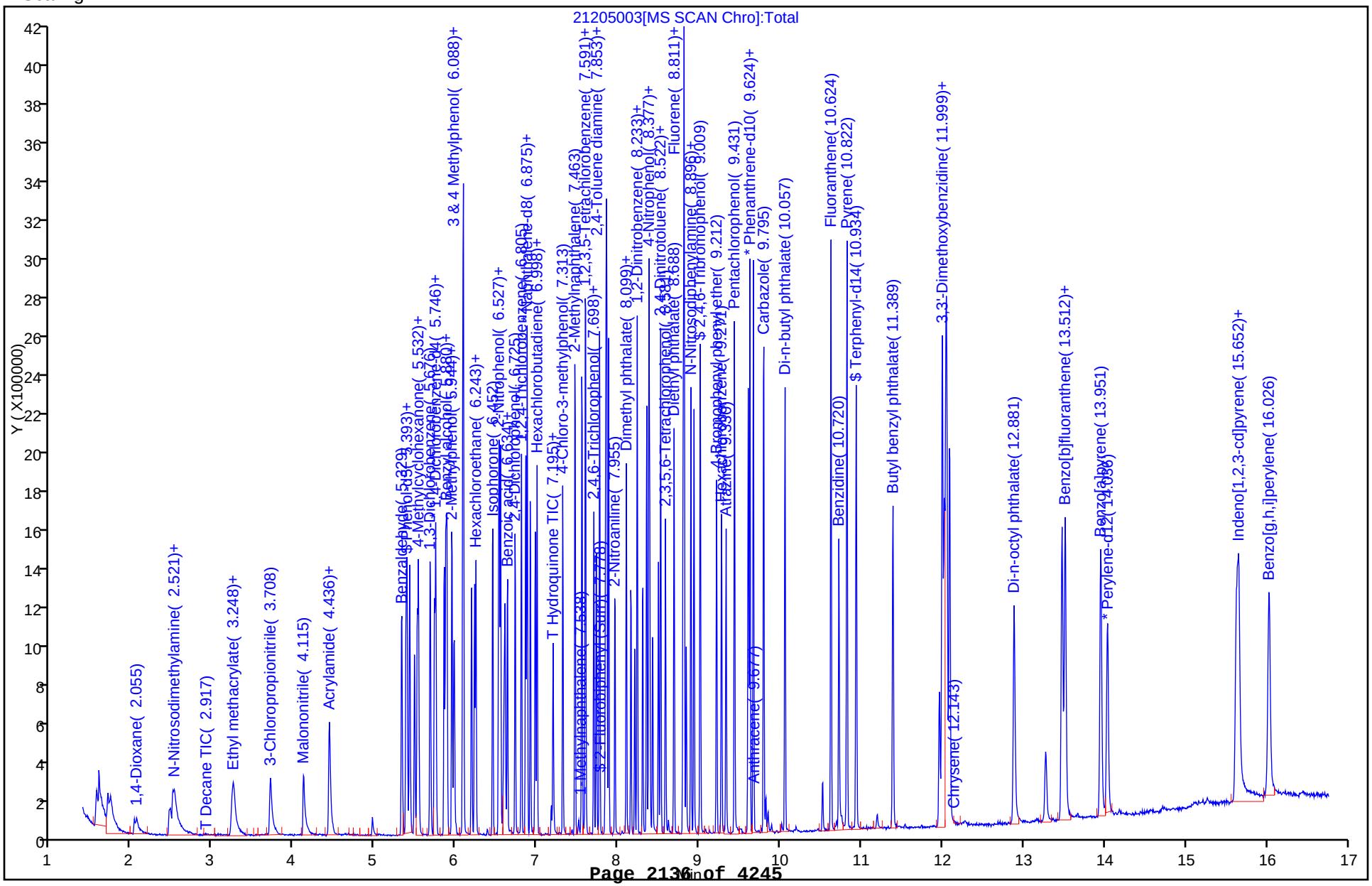
Report Date: 06-Dec-2012 08:50:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205003.D

Injection Date:	05-Dec-2012 09:56:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67390/26

Matrix: Solid | Lab File ID: 21205026.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 18:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67390 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.05		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.02		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.00		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.31		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.11		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.09		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.64		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.19		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.39		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.18		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.31		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.04		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.18		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.26		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.13		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.87		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.40		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.15		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.17		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.29		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.21		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.57		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.89		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.28		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.19		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.14		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.18		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.41		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.00		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.42		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.17		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.03		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	3.99		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	7.24		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67390/26

Matrix: Solid | Lab File ID: 21205026.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 18:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67390 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.12		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.31		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.94		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.97		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.02		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.28		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.43		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	2.95	^	0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.93		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.71		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.32		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.19		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.11		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.16		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.06		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.24		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.38		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.29		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.53		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.36		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.14		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.13		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	5.09		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.62		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.77		0.00020	0.00010	0.00010
108-95-2	Phenol	5.09		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.07		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.52		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.37		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.26		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67390/26

Matrix: Solid | Lab File ID: 21205026.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/05/2012 18:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67390 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	103		50-150
367-12-4	2-Fluorophenol (Surr)	103		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	110	Q	50-150
4165-62-2	Phenol-d5 (Surr)	104	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	102		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	110		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205026.D
Lims ID: mrl qccl
Client ID:
Inject. Date: 05-Dec-2012 18:50:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015541-026
Misc. Info.: mrl qccl
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 26
Lims Batch ID: 67390
Lims Sample ID: 26
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\8270_hp7.m
Last Update: 06-Dec-2012 08:49:41
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: XAWRK028

First Level Reviewer: gruberj
Date: 06-Dec-2012 07:33:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.730	5.730	0.0	96	232713	4.00	
* 2 Naphthalene-d8	136	6.859	6.859	0.0	99	872526	4.00	
* 3 Acenaphthene-d10	164	8.351	8.351	0.0	92	516619	4.00	
* 4 Phenanthrene-d10	188	9.602	9.602	0.0	97	919394	4.00	
* 5 Chrysene-d12	240	12.058	12.057	0.001	91	886927	4.00	
* 6 Perylene-d12	264	14.031	14.036	-0.005	91	773895	4.00	
$ 7 2-Fluorophenol	112	4.436	4.430	0.006	90	369080	5.13	
$ 8 Phenol-d5	99	5.377	5.382	-0.005	96	476551	5.22	
$ 9 Nitrobenzene-d5	82	6.227	6.227	0.0	88	422525	5.51	
$ 10 2-Fluorobiphenyl (Surr)	172	7.768	7.768	0.0	99	860549	5.13	
$ 11 2,4,6-Tribromophenol	330	9.014	9.014	0.0	92	117663	5.51	
$ 12 Terphenyl-d14	244	10.934	10.934	0.0	98	835601	5.09	
239 2,3,7,8 TCDF TIC	1		0.000					
14 4-Methylcatechol	1		0.000					
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
13 Bis(2-hydroxyphenyl)methane	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
21 Octachlorostyrene	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
23 Octachlorocyclopentene	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
24 1,4-Dioxane	88	2.056	2.023	0.033	90	145642	5.39	
25 N-Nitrosodimethylamine	74	2.467	2.462	0.005	83	230608	5.14	
26 Pyridine	79	2.521	2.494	0.027	96	390851	5.05	
27 Ethyl methacrylate	69		3.248					2
232 1-Methyl-2-pyrrilidinone	99	3.248	3.271	-0.023	0	59979	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.708	3.703	0.005	88	232316	5.41	
30 2-Picoline	93		3.964					
31 N-Nitrosomethylethylamine	88		4.103					
32 Malononitrile	66	4.115	4.115	0.0	98	410371	5.07	
33 Acrylamide	71	4.350	4.349	0.001	1	84	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					9
233 n,n'-Dimethylacetamide	44	4.441	4.536	-0.095	0	1429	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.324	5.324	0.0	92	318580	5.25	
37 2-Methylcyclohexanone	68	5.382	5.376	0.006	33	15861	0	
41 Phenol	94	5.393	5.393	0.0	100	495825	5.09	
38 3-Methylcyclohexanone	69	5.414	5.414	0.0	1	847	0	
43 Aniline	93	5.425	5.425	0.0	88	618043	5.08	
39 4-Methylcyclohexanone	55	5.393	5.462	-0.069	18	42740	0	
42 Phenylmercaptan	110		5.473					9
44 Bis(2-chloroethyl)ether	93	5.484	5.484	0.0	94	378792	5.04	
46 2-Chlorophenol	128	5.532	5.532	0.0	96	406731	5.17	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.677	5.677	0.0	96	439932	5.19	
48 1,4-Dichlorobenzene	146	5.746	5.746	0.0	93	432673	5.14	
49 Benzyl alcohol	108	5.853	5.853	0.0	92	250933	5.18	
50 1,2-Dichlorobenzene	146	5.885	5.885	0.0	90	424389	5.28	
51 2-Methylphenol	108	5.944	5.944	0.0	97	362801	5.11	
52 2,2'-oxybis[1-chloropropane]	45	5.971	5.976	-0.005	91	567390	5.14	
53 Indene	115		6.066					9
191 3 & 4 Methylphenol	108	6.078	6.078	0.0	97	384160	5.16	
57 Acetophenone	105	6.088	6.088	0.0	91	525345	4.99	
56 N-Nitrosodi-n-propylamine	70	6.088	6.088	0.0	88	270569	5.13	
60 Hexachloroethane	117	6.190	6.190	0.0	93	168681	4.93	
55 N-Nitrosopyrrolidine	100		6.216					
61 Nitrobenzene	77	6.244	6.243	0.001	84	438374	5.53	
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.447	6.452	-0.005	97	740631	5.32	
62 N-Nitrosopiperidine	114		6.521					
65 2-Nitrophenol	139	6.522	6.522	0.0	95	200079	5.36	
66 1,3,5-Trichlorobenzene	180	6.532	6.532	0.0	96	384368	5.56	
64 2,4-Dimethylphenol	107	6.548	6.548	0.0	93	397389	5.42	
69 Benzoic acid	122	6.602	6.618	-0.016	84	350960	8.19	
68 Bis(2-chloroethoxy)methane	93	6.629	6.634	-0.005	99	469055	5.31	
71 2,4-Dichlorophenol	162	6.725	6.730	-0.005	96	313631	5.41	
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	6.805	6.805	0.0	92	381748	5.52	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
73 Naphthalene	128	6.875	6.875	0.0	96	1103783	5.06	
74 4-Chloroaniline	127	6.912	6.912	0.0	87	488860	5.26	
77 Hexachlorobutadiene	225	6.976	6.976	0.0	92	203191	5.43	
78 1,2,3-Trichlorobenzene	180	6.998	6.998	0.0	91	353899	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
79 Benzothiazole	135		7.195					
83 Caprolactam	113	7.196	7.201	-0.005	74	113499	5.11	
80 Quinoline	129		7.259					9
84 4-Chloro-3-methylphenol	107	7.313	7.313	0.0	94	335944	5.40	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.463	7.468	-0.005	88	723483	5.19	
93 Safrole, Total	162		7.521					
86 1-Methylnaphthalene	142	7.549	7.549	0.0	92	691399	5.21	
87 1,2,3,5-Tetrachlorobenzene	216	7.591	7.591	0.0	95	377059	5.37	
88 Hexachlorocyclopentadiene	237	7.597	7.597	0.0	85	123526	2.95	
90 2,4,6-Trichlorophenol	196	7.698	7.698	0.0	90	229013	5.26	
91 2,4,5-Trichlorophenol	196	7.730	7.730	0.0	96	252079	5.37	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
94 2,4-Toluene diamine	121	7.843	7.843	0.0	98	228221	5.14	
96 1,2,3,4 -Tetrachlorobenzene	216	7.848	7.848	0.0	95	365325	0	
95 1,1'-Biphenyl	154	7.853	7.859	-0.006	96	886430	4.86	
98 2-Chloronaphthalene	162	7.880	7.880	0.0	95	734117	5.15	
100 2-Nitroaniline	65	7.955	7.955	0.0	83	219474	5.24	
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	8.100	8.099	0.001	99	784200	5.17	
105 2,6-Dinitrotoluene	165	8.158	8.158	0.0	95	178180	5.31	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.206	8.206	0.0	91	89071	5.29	
102 1,4-Dinitrobenzene	168		8.211					
107 Acenaphthylene	152	8.233	8.233	0.0	91	1182918	5.02	
104 1,3-Dinitrobenzene	168		8.275					
108 3-Nitroaniline	138	8.303	8.303	0.0	95	204519	5.38	
110 Acenaphthene	153	8.378	8.378	0.0	93	715788	5.05	
109 2,4-Dinitrophenol	184	8.388	8.388	0.0	79	134609	7.24	
111 4-Nitrophenol	109	8.420	8.426	-0.006	95	112404	5.14	
112 2,4-Dinitrotoluene	165	8.495	8.495	0.0	86	230465	5.12	
114 Dibenzofuran	168	8.522	8.522	0.0	88	1027948	4.89	
115 2,3,5,6-Tetrachlorophenol	232	8.581	8.581	0.0	93	210682	5.45	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.688	8.688	0.0	97	793749	5.00	
116 1-Naphthylamine	143		8.735					9
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
118 2-Naphthylamine	143		8.799					9
121 4-Chlorophenyl phenyl ether	204	8.800	8.800	0.0	91	422448	5.29	
124 Fluorene	166	8.811	8.811	0.0	85	848309	5.02	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
123 4-Nitroaniline	138	8.811	8.816	-0.005	83	215464	5.29	
126 4,6-Dinitro-2-methylphenol	198	8.838	8.838	0.0	83	106414	3.99	
130 N-Nitrosodiphenylamine	169	8.896	8.896	0.0	0	645830	5.09	
120 Thionazin	97		8.901					9
131 Azobenzene	77	8.934	8.934	0.0	99	848091	4.74	
129 1,2-Diphenylhydrazine	77	8.934	8.934	0.0	0	847093	4.73	
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	9.212	9.212	0.0	62	246588	5.26	
133 1,3,5-Trinitrobenzene	213		9.238					9
139 Hexachlorobenzene	284	9.271	9.271	0.0	90	254831	5.28	
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
140 Atrazine	200	9.330	9.330	0.0	91	179155	5.19	
230 Diallate Peak 2	86		9.356					
138 Dimethoate	87		9.430					9
141 Pentachlorophenol	266	9.431	9.431	0.0	88	304935	9.62	
127 4-Aminobiphenyl	169	9.608	9.575	0.033	50	1399	0	
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
146 Phenanthrene	178	9.624	9.624	0.0	97	1197338	4.77	
147 Anthracene	178	9.667	9.667	0.0	97	1248857	5.00	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
148 DFTPP								
149 Carbazole	167	9.795	9.795	0.0	82	1180365	4.87	
150 Methyl parathion	109		10.045					
151 Di-n-butyl phthalate	149	10.057	10.057	0.0	100	1368847	5.03	
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	10.624	10.624	0.0	97	1379145	4.97	
156 Isodrin	66		10.655					9
158 Benzidine	184	10.720	10.720	0.0	99	654157	4.65	
160 Pyrene	202	10.822	10.822	0.0	96	1434435	5.07	
164 4,4'-DDE	246		10.881					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.228					
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					
166 Butyl benzyl phthalate	149	11.389	11.389	0.0	96	581136	5.13	
168 4,4'-DDT	235		11.496					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					
170 3,3'-Dimethoxybenzidine	244	11.961	11.961	0.0	88	271514	4.95	
173 3,3'-Dichlorobenzidine	252	11.999	11.999	0.0	68	499431	5.18	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	11.999	11.999	0.0	70	235735	5.37	
171 Bis(2-ethylhexyl) phthalate	149	12.020	12.020	0.0	95	826681	5.18	
175 Benzo[a]anthracene	228	12.041	12.041	0.0	94	1315219	5.31	
176 Chrysene	228	12.090	12.090	0.0	95	1228720	5.21	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.881	12.881	0.0	99	1307377	4.94	
180 Benzo[b]fluoranthene	252	13.475	13.475	0.0	92	1255549	5.09	
181 Benzo[k]fluoranthene	252	13.512	13.518	-0.006	95	1444589	5.39	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.951	13.951	0.0	75	1269838	5.11	
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	15.630	15.630	0.0	94	1289339	4.71	
187 Dibenz(a,h)anthracene	278	15.657	15.657	0.0	77	1063492	4.57	
188 Benzo[g,h,i]perylene	276	16.032	16.031	0.001	96	1028917	4.64	
S 189 Methyl Phenols,Total	100				0		5.11	
S 92 Isosafrole	162		5.138					7
S 134 Diallate	86		6.337					7
S 159 Aramite, Total	185		7.806					7
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 193 Hydroquinone TIC	110	7.174	0.0	7.174	93	87201	0	
T 231 2,3,7,8-TCDD	1		0.000					1
T 192 Decane TIC	142	3.163	3.050	0.113	1	161	0	
T 194 Octadecane (TIC)	254	16.443	6.300	10.143	91	15525	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

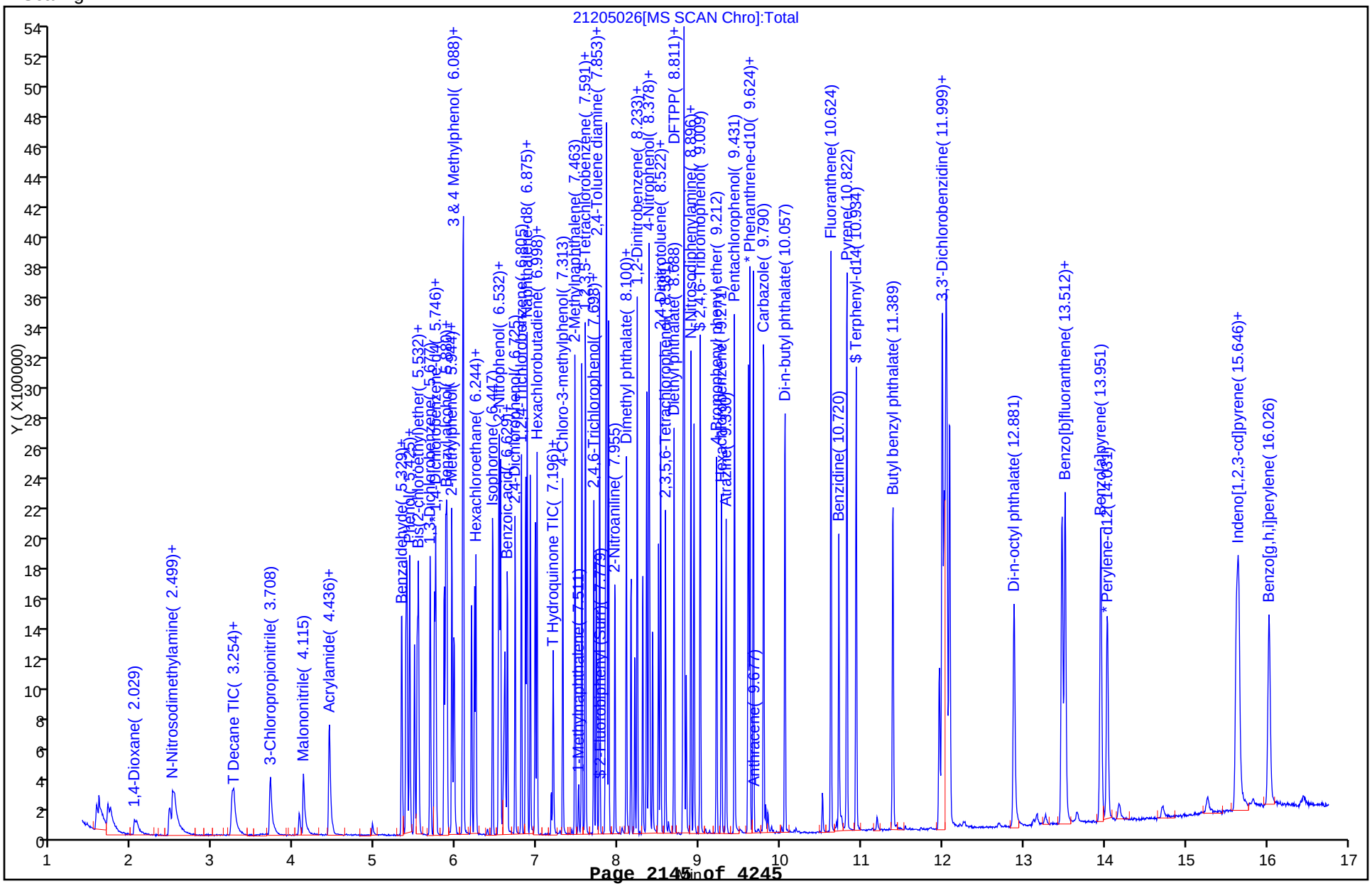
Report Date: 06-Dec-2012 08:49:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121205-15541.b\21205026.D

Injection Date:	05-Dec-2012 18:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67390	Lims Sample ID:	26
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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

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

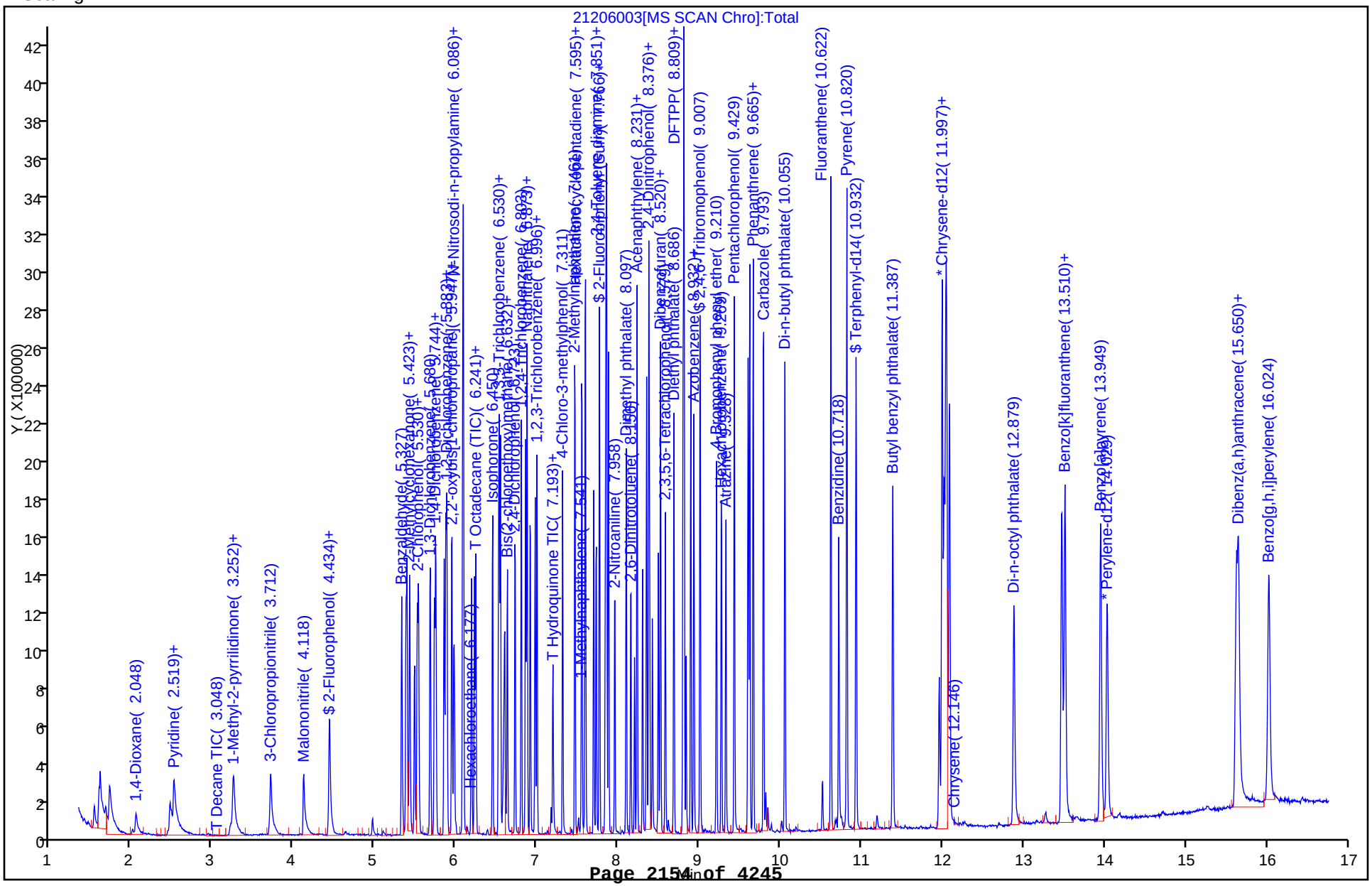
Report Date: 07-Dec-2012 12:54:41 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

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

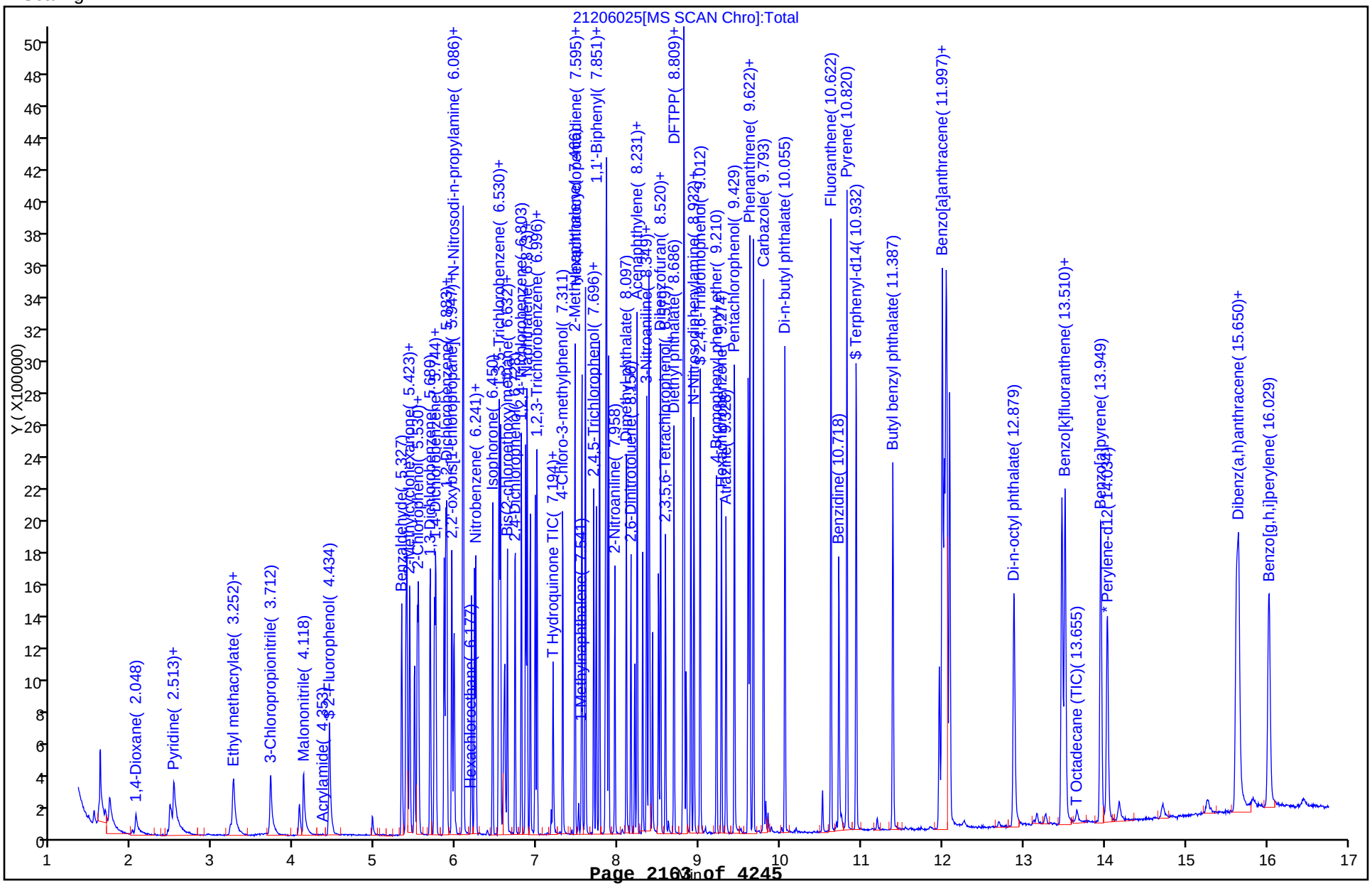
Report Date: 10-Dec-2012 10:14:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67761/3

Matrix: Solid | Lab File ID: 21207003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 11:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.13		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.11		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.13		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.20		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.94		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.28		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.51		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.71		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.02		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.18		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.00		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	4.96		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.90		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.26		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.92		0.0010	0.00080	0.00080
86-74-8	Carbazole	5.07		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	5.43		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.14		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.12		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.33		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.21		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	5.08		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.09		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.90		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	5.03		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	4.93		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	5.20		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.46		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	5.25		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	5.08		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	5.21		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.76		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67761/3

Matrix: Solid | Lab File ID: 21207003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 11:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.44		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.24		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.54		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.25		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.18		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.31		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.49		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.58		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.84		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.13		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.16		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.22		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	5.02		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	5.07		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.20		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.37		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.43		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.20		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.16		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.30		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.33		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	5.05		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	0.00080	U ^	0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	10.2		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	5.00		0.00020	0.00010	0.00010
108-95-2	Phenol	5.16		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.06		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.34		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.26		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.34		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67761/3

Matrix: Solid | Lab File ID: 21207003.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 11:42

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	104		50-150
367-12-4	2-Fluorophenol (Surr)	99		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	106	Q	50-150
4165-62-2	Phenol-d5 (Surr)	102	Q	50-150
1718-51-0	Terphenyl-d14 (Surr)	102		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	113		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207003.D
Lims ID: mrl qc
Client ID:
Inject. Date: 07-Dec-2012 11:42:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015633-003
Misc. Info.: mrl qc
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 3
Lims Batch ID: 67761
Lims Sample ID: 3
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\8270_hp7.m
Last Update: 10-Dec-2012 11:29:09
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: XAWRK015

First Level Reviewer: gruberj
Date: 07-Dec-2012 12:33:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.699	5.700	-0.001	95	204850	4.00	
* 2 Naphthalene-d8	136	6.823	6.823	0.0	100	757481	4.00	
* 3 Acenaphthene-d10	164	8.315	8.315	0.0	90	437966	4.00	
* 4 Phenanthrene-d10	188	9.567	9.567	0.0	98	783177	4.00	
* 5 Chrysene-d12	240	12.006	12.006	0.0	93	805590	4.00	
* 6 Perylene-d12	264	13.968	13.969	-0.001	93	668463	4.00	
$ 7 2-Fluorophenol	112	4.400	4.394	0.006	93	314625	4.97	
$ 8 Phenol-d5	99	5.346	5.347	-0.001	96	408256	5.08	
$ 9 Nitrobenzene-d5	82	6.192	6.192	0.0	90	354067	5.32	
$ 10 2-Fluorobiphenyl (Surr)	172	7.737	7.737	0.0	99	736656	5.18	
$ 11 2,4,6-Tribromophenol	330	8.978	8.978	0.0	88	102780	5.67	
$ 12 Terphenyl-d14	244	10.898	10.898	0.0	98	760574	5.10	
21 Octachlorostyrene	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	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					
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
241 Tricresyl phosphate 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					
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
24 1,4-Dioxane	88	2.004	1.998	0.006	94	109550	4.61	
25 N-Nitrosodimethylamine	74	2.410	2.410	0.0	87	185680	4.74	M
26 Pyridine	79	2.453	2.453	0.0	95	322806	4.74	
27 Ethyl methacrylate	69	3.191	3.191	0.0	89	261318	4.62	
232 1-Methyl-2-pyrrilidinone	99	3.303	3.271	0.032	0	550	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.662	3.662	0.0	91	193881	5.13	
30 2-Picoline	93		3.964					
32 Malononitrile	66	4.073	4.074	-0.001	99	357793	5.02	
31 N-Nitrosomethylethylamine	88		4.103					
33 Acrylamide	71	4.368	4.349	0.019	18	81	0	
34 Methyl methanesulfonate	80		4.451					9
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	5.293	5.293	0.0	96	278203	5.21	
41 Phenol	94	5.357	5.357	0.0	99	442149	5.16	
37 2-Methylcyclohexanone	68	5.395	5.376	0.019	1	2227	0	
43 Aniline	93	5.389	5.389	0.0	96	533594	4.98	
38 3-Methylcyclohexanone	69	5.421	5.414	0.007	1	268	0	
44 Bis(2-chloroethyl)ether	93	5.453	5.454	-0.001	95	328348	4.96	
39 4-Methylcyclohexanone	55	5.448	5.462	-0.014	1	821	0	
42 Phenylmercaptan	110		5.473					9
46 2-Chlorophenol	128	5.502	5.502	0.0	95	354493	5.12	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.646	5.646	0.0	95	365624	4.90	
48 1,4-Dichlorobenzene	146	5.716	5.716	0.0	94	372765	5.03	
49 Benzyl alcohol	108	5.817	5.817	0.0	91	221225	5.18	
50 1,2-Dichlorobenzene	146	5.849	5.849	0.0	90	359617	5.09	
51 2-Methylphenol	108	5.913	5.914	-0.001	96	313914	5.02	
52 2,2'-oxybis[1-chloropropane]	45	5.940	5.940	0.0	92	466189	4.80	
191 3 & 4 Methylphenol	108	6.047	6.047	0.0	96	331901	5.07	
56 N-Nitrosodi-n-propylamine	70	6.052	6.053	-0.001	87	234250	5.05	
57 Acetophenone	105	6.058	6.058	0.0	92	454144	4.91	
53 Indene	115		6.066					9
60 Hexachloroethane	117	6.154	6.154	0.0	92	145920	4.84	
61 Nitrobenzene	77	6.208	6.208	0.0	85	355122	5.16	
55 N-Nitrosopyrrolidine	100		6.216					
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.416	6.416	0.0	99	623612	5.16	
65 2-Nitrophenol	139	6.491	6.491	0.0	94	171528	5.30	
66 1,3,5-Trichlorobenzene	180	6.496	6.497	0.0	95	329222	5.48	
64 2,4-Dimethylphenol	107	6.512	6.513	-0.001	87	347604	5.46	
62 N-Nitrosopiperidine	114		6.521					
69 Benzoic acid	122	6.571	6.582	-0.011	83	328593	8.71	
68 Bis(2-chloroethoxy)methane	93	6.598	6.598	0.0	99	383872	5.00	
71 2,4-Dichlorophenol	162	6.694	6.694	0.0	95	269915	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	6.769	6.769	0.0	93	320531	5.34	
73 Naphthalene	128	6.839	6.844	-0.005	96	985049	5.20	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
74 4-Chloroaniline	127	6.882	6.882	0.0	87	426200	5.28	
77 Hexachlorobutadiene	225	6.940	6.940	0.0	95	178505	5.49	
78 1,2,3-Trichlorobenzene	180	6.962	6.962	0.0	90	303460	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					9
83 Caprolactam	113	7.160	7.165	-0.005	73	98391	5.10	
79 Benzothiazole	135		7.195					
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.283	7.283	0.0	95	293483	5.43	
81 N-Nitrosodi-n-butylamine	84		7.328					9
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.432	7.433	-0.001	89	631930	5.22	
86 1-Methylnaphthalene	142	7.518	7.518	0.0	90	603073	5.23	
93 Safrole, Total	162		7.521					
87 1,2,3,5-Tetrachlorobenzene	216	7.561	7.561	0.0	97	316098	5.31	
88 Hexachlorocyclopentadiene	237	7.561	7.561	0.0	84	162452	4.58	
90 2,4,6-Trichlorophenol	196	7.662	7.663	0.0	92	197127	5.34	
91 2,4,5-Trichlorophenol	196	7.695	7.695	0.0	94	209027	5.26	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
94 2,4-Toluene diamine	121	7.807	7.807	0.0	98	220952	5.73	
96 1,2,3,4 -Tetrachlorobenzene	216	7.812	7.812	0.0	93	310891	0	
95 1,1'-Biphenyl	154	7.823	7.823	0.0	94	781497	5.05	
98 2-Chloronaphthalene	162	7.844	7.844	0.0	97	621501	5.14	
100 2-Nitroaniline	65	7.925	7.925	-0.001	84	190574	5.37	
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	8.064	8.069	-0.005	98	675293	5.25	
105 2,6-Dinitrotoluene	165	8.122	8.122	0.0	94	149024	5.24	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.171	8.171	0.0	89	80154	5.62	
107 Acenaphthylene	152	8.197	8.197	0.0	91	1021507	5.11	
102 1,4-Dinitrobenzene	168		8.211					
108 3-Nitroaniline	138	8.267	8.267	0.0	94	174890	5.43	
104 1,3-Dinitrobenzene	168		8.275					9
110 Acenaphthene	153	8.342	8.342	0.0	94	616367	5.13	
109 2,4-Dinitrophenol	184	8.358	8.358	0.0	75	172016	9.76	
111 4-Nitrophenol	109	8.390	8.390	0.0	95	98930	5.33	
112 2,4-Dinitrotoluene	165	8.465	8.465	0.0	93	208468	5.44	
114 Dibenzofuran	168	8.486	8.486	0.0	89	906120	5.08	
115 2,3,5,6-Tetrachlorophenol	232	8.545	8.550	-0.005	92	175551	5.36	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.652	8.657	-0.005	98	699310	5.20	
116 1-Naphthylamine	143		8.735					9
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
121 4-Chlorophenyl phenyl ether	204	8.764	8.764	0.0	92	360872	5.33	
124 Fluorene	166	8.775	8.775	0.0	90	740990	5.18	
123 4-Nitroaniline	138	8.780	8.780	0.0	81	179039	5.20	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
118 2-Naphthylamine	143		8.799					9
126 4,6-Dinitro-2-methylphenol	198	8.807	8.807	0.0	84	124357	5.21	
130 N-Nitrosodiphenylamine	169		8.861					
131 Azobenzene	77	8.898	8.898	0.0	99	753625	4.94	
129 1,2-Diphenylhydrazine	77	8.898	8.898	0.0	0	753741	4.95	
120 Thionazin	97		8.901					9
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	9.176	9.182	-0.006	65	210255	5.26	
133 1,3,5-Trinitrobenzene	213		9.238					9
139 Hexachlorobenzene	284	9.240	9.240	0.0	91	218562	5.31	
228 Diallate Peak 1	86		9.275					
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
140 Atrazine	200	9.294	9.299	-0.005	91	165575	5.63	
230 Diallate Peak 2	86		9.356					
141 Pentachlorophenol	266	9.395	9.401	-0.006	88	277046	10.2	
138 Dimethoate	87		9.430					9
127 4-Aminobiphenyl	169		9.575					9
146 Phenanthrene	178	9.588	9.588	0.0	96	1069335	5.00	
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
147 Anthracene	178	9.631	9.631	0.0	97	1089672	5.13	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167	9.759	9.759	0.0	85	1046540	5.07	
148 DFTPP								
151 Di-n-butyl phthalate	149	10.021	10.021	0.0	100	1177886	5.08	
150 Methyl parathion	109		10.045					
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	10.588	10.588	0.0	97	1239596	5.25	
156 Isodrin	66		10.655					9
158 Benzidine	184	10.684	10.684	0.0	99	623401	4.86	
160 Pyrene	202	10.781	10.781	0.0	97	1301439	5.06	
164 4,4'-DDE	246		10.845					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.187					
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.348	11.348	0.0	98	504481	4.92	
168 4,4'-DDT	235		11.455					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					9
170 3,3'-Dimethoxybenzidine	244	11.915	11.915	0.0	89	229574	4.66	
173 3,3'-Dichlorobenzidine	252	11.952	11.947	0.005	64	431111	4.93	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	11.952	11.952	0.0	68	213737	5.37	
171 Bis(2-ethylhexyl) phthalate	149	11.979	11.979	0.0	95	707868	4.90	
175 Benzo[a]anthracene	228	11.995	11.995	0.0	94	1170156	5.20	
176 Chrysene	228	12.038	12.038	0.0	94	1115992	5.21	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					
178 Di-n-octyl phthalate	149	12.829	12.829	0.0	99	1028430	4.54	
180 Benzo[b]fluoranthene	252	13.412	13.412	0.0	94	1126020	5.28	
181 Benzo[k]fluoranthene	252	13.450	13.455	-0.005	98	1162419	5.02	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					
182 Benzo[a]pyrene	252	13.888	13.888	0.0	75	1058617	4.94	
183 3-Methylcholanthrene	268		14.774					
184 Dibenz[a,j]acridine	279		15.501					9
186 Indeno[1,2,3-cd]pyrene	276	15.552	15.557	-0.005	98	1215385	5.13	
185 Dibenz[a,h]acridine	279		15.576					9
187 Dibenz(a,h)anthracene	278	15.578	15.578	0.0	76	1015800	5.04	
188 Benzo[g,h,i]perylene	276	15.947	15.953	-0.006	97	1054695	5.51	
S 189 Methyl Phenols,Total	100				0		5.02	
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	7.138	0.0	7.138	74	44740	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.196	3.047	0.146	1	91	0	
T 194 Octadecane (TIC)	254	13.605	6.300	7.305	86	16908	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

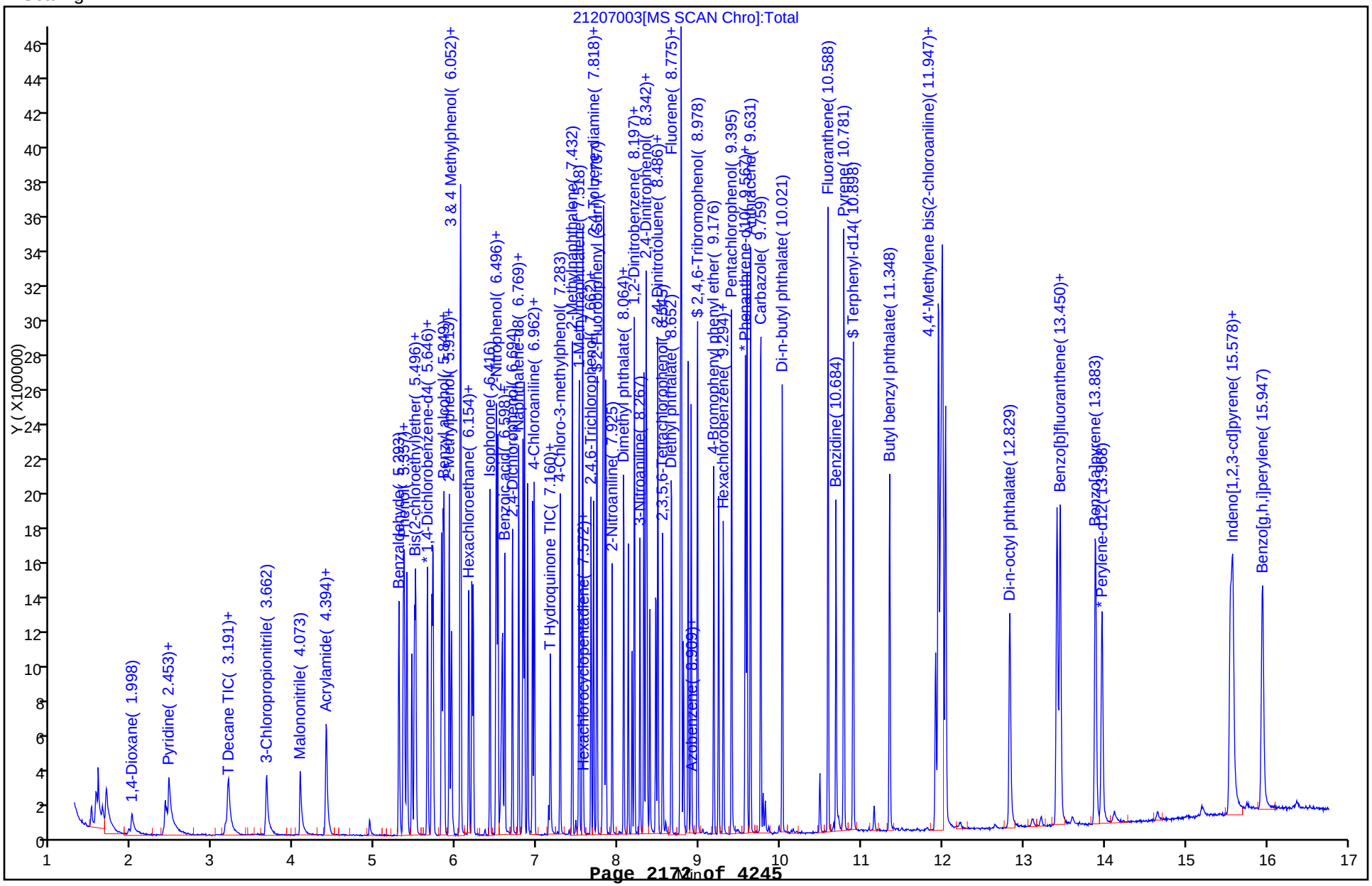
Report Date: 10-Dec-2012 11:29:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207003.D

Injection Date:	07-Dec-2012 11:42:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67761	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67761/7

Matrix: Solid | Lab File ID: 21207007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 13:15

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	5.08		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	5.09		0.00020	0.00010	0.00010
120-12-7	Anthracene	5.15		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	5.20		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	5.18		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	5.27		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	5.66		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.36		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	5.23		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	5.04		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	4.84		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	5.10		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.11		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	5.16		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	5.34		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.13		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	5.01		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.24		0.0020	0.00080	0.00030
218-01-9	Chrysene	5.15		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	5.09		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.95		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.02		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	4.91		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.98		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	5.18		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.32		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	5.14		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	5.33		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	5.25		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	5.17		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.72		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67761/7

Matrix: Solid | Lab File ID: 21207007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 13:15

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.35		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.16		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.96		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	5.14		0.00020	0.00010	0.00010
86-73-7	Fluorene	5.12		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.27		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	5.41		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	4.50		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	4.86		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	5.22		0.00020	0.00010	0.00010
78-59-1	Isophorone	5.25		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	5.14		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.85		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.87		0.0020	0.00080	0.00080
91-20-3	Naphthalene	5.17		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	5.37		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	5.27		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	5.30		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.28		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.27		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	5.25		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.98		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.92		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	10.3		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.89		0.00020	0.00010	0.00010
108-95-2	Phenol	5.12		0.0010	0.00080	0.00060
129-00-0	Pyrene	5.10		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.34		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	5.55		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	5.27		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-67761/7

Matrix: Solid | Lab File ID: 21207007.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/07/2012 13:15

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 67761 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	102		50-150
367-12-4	2-Fluorophenol (Surr)	99		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	106	Q	50-150
4165-62-2	Phenol-d5 (Surr)	100		50-150
1718-51-0	Terphenyl-d14 (Surr)	102		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	114		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207007.D		
Lims ID:	mrl qccl	Client ID:	
Inject. Date:	07-Dec-2012 13:15:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015633-007		
Misc. Info.:	mrl qccl		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	67761	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121207-15633.b\8270_hp7.m		
Last Update:	10-Dec-2012 11:29:48	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:	XAWRK015		
First Level Reviewer: gruberj		Date:	07-Dec-2012 14:03:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.700	5.700	0.0	95	239197	4.00	
* 2 Naphthalene-d8	136	6.823	6.823	0.0	99	888992	4.00	
* 3 Acenaphthene-d10	164	8.315	8.315	0.0	87	514865	4.00	
* 4 Phenanthrene-d10	188	9.567	9.567	0.0	98	917818	4.00	
* 5 Chrysene-d12	240	12.006	12.006	0.0	95	937509	4.00	
* 6 Perylene-d12	264	13.969	13.969	0.0	93	793239	4.00	
$ 7 2-Fluorophenol	112	4.394	4.394	0.0	91	366988	4.96	
$ 8 Phenol-d5	99	5.347	5.347	0.0	90	468459	4.99	
$ 9 Nitrobenzene-d5	82	6.192	6.192	0.0	89	413644	5.29	
$ 10 2-Fluorobiphenyl (Surr)	172	7.737	7.737	0.0	99	853278	5.11	
$ 11 2,4,6-Tribromophenol	330	8.978	8.978	0.0	89	121429	5.70	
$ 12 Terphenyl-d14	244	10.898	10.898	0.0	98	883411	5.09	
21 Octachlorostyrene	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	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					
16 2,3-Dichlorophenol	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
241 Tricresyl phosphate 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					
242 Triphenyl Phosphate TIC	1		0.000					
15 Catechol	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
14 4-Methylcatechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					
24 1,4-Dioxane	88	1.998	1.998	0.0	95	121766	4.39	
25 N-Nitrosodimethylamine	74	2.410	2.410	0.0	87	230386	5.01	
26 Pyridine	79	2.458	2.453	0.005	95	374659	4.71	
27 Ethyl methacrylate	69	3.191	3.191	0.0	91	312111	4.72	
232 1-Methyl-2-pyrrilidinone	99		3.271					1
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.662	3.662	0.0	88	221917	5.03	
30 2-Picoline	93		3.964					
32 Malononitrile	66	4.074	4.074	0.0	98	409243	4.92	
31 N-Nitrosomethylethylamine	88		4.103					
33 Acrylamide	71	4.394	4.349	0.045	25	698	0	
34 Methyl methanesulfonate	80		4.451					9
29 3-Picoline	93		4.510					9
233 n,n'-Dimethylacetamide	44	4.491	4.536	-0.045	0	881	0	
35 N-Nitrosodiethylamine	102		4.868					
36 Ethyl methanesulfonate	79		5.162					
40 Benzaldehyde	77	5.293	5.293	0.0	91	310273	4.98	
41 Phenol	94	5.357	5.357	0.0	99	512885	5.12	
37 2-Methylcyclohexanone	68	5.384	5.376	0.008	1	1310	0	
43 Aniline	93	5.389	5.389	0.0	97	617655	4.93	
38 3-Methylcyclohexanone	69	5.416	5.414	0.002	1	85	0	
44 Bis(2-chloroethyl)ether	93	5.454	5.454	0.0	95	374484	4.84	
39 4-Methylcyclohexanone	55	5.502	5.462	0.040	16	5496	0	
42 Phenylmercaptan	110		5.473					
46 2-Chlorophenol	128	5.502	5.502	0.0	96	404842	5.01	
45 Pentachloroethane	167		5.633					
47 1,3-Dichlorobenzene	146	5.646	5.646	0.0	96	428287	4.91	
48 1,4-Dichlorobenzene	146	5.716	5.716	0.0	93	431388	4.98	
49 Benzyl alcohol	108	5.817	5.817	0.0	90	251315	5.04	
50 1,2-Dichlorobenzene	146	5.849	5.849	0.0	93	414796	5.02	
51 2-Methylphenol	108	5.913	5.914	-0.001	96	353560	4.85	
52 2,2'-oxybis[1-chloropropane]	45	5.940	5.940	0.0	92	542460	4.78	
191 3 & 4 Methylphenol	108	6.047	6.047	0.0	96	372540	4.87	
56 N-Nitrosodi-n-propylamine	70	6.053	6.053	0.0	88	269672	4.98	
57 Acetophenone	105	6.058	6.058	0.0	91	528540	4.89	
53 Indene	115		6.066					9
60 Hexachloroethane	117	6.154	6.154	0.0	93	170986	4.86	
61 Nitrobenzene	77	6.208	6.208	0.0	85	426573	5.28	
55 N-Nitrosopyrrolidine	100		6.216					
58 N-Nitrosomorpholine	56		6.248					9
59 2-Toluidine	106		6.269					
63 Isophorone	82	6.416	6.416	0.0	100	745042	5.25	
65 2-Nitrophenol	139	6.491	6.491	0.0	96	200169	5.27	
66 1,3,5-Trichlorobenzene	180	6.496	6.497	0.0	95	375650	5.33	
64 2,4-Dimethylphenol	107	6.513	6.513	0.0	91	398554	5.33	
62 N-Nitrosopiperidine	114		6.521					9
69 Benzoic acid	122	6.571	6.582	-0.011	88	366938	8.36	
68 Bis(2-chloroethoxy)methane	93	6.598	6.598	0.0	99	444197	4.93	
71 2,4-Dichlorophenol	162	6.694	6.694	0.0	94	314332	5.32	
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	6.769	6.769	0.0	93	375923	5.34	
73 Naphthalene	128	6.844	6.844	0.0	95	1148103	5.17	
70 alpha,alpha-Dimethyl phenethylam	58		6.863					9
74 4-Chloroaniline	127	6.882	6.882	0.0	86	477439	5.04	
77 Hexachlorobutadiene	225	6.940	6.940	0.0	94	206472	5.41	
78 1,2,3-Trichlorobenzene	180	6.962	6.962	0.0	90	340416	0	
75 2,6-Dichlorophenol	162		7.066					
76 Hexachloropropene	213		7.093					
83 Caprolactam	113	7.165	7.165	0.0	76	112043	4.95	
79 Benzothiazole	135		7.195					
80 Quinoline	129		7.259					
84 4-Chloro-3-methylphenol	107	7.283	7.283	0.0	96	338840	5.34	
81 N-Nitrosodi-n-butylamine	84		7.328					
82 p-Phenylene diamine	108		7.355					9
85 2-Methylnaphthalene	142	7.433	7.433	-0.001	90	730292	5.14	
86 1-Methylnaphthalene	142	7.518	7.518	0.0	90	696203	5.15	
93 Safrole, Total	162		7.521					
87 1,2,3,5-Tetrachlorobenzene	216	7.561	7.561	0.0	96	373179	5.33	
88 Hexachlorocyclopentadiene	237	7.561	7.561	0.0	70	187560	4.50	
90 2,4,6-Trichlorophenol	196	7.662	7.663	0.0	92	228776	5.27	
91 2,4,5-Trichlorophenol	196	7.695	7.695	0.0	95	259312	5.55	
89 1,2,4,5-Tetrachlorobenzene	216		7.751					
225 Isosafrole Peak 1	162		7.767					
94 2,4-Toluene diamine	121	7.807	7.807	0.0	98	264686	5.85	
96 1,2,3,4 -Tetrachlorobenzene	216	7.812	7.812	0.0	95	358489	0	
95 1,1'-Biphenyl	154	7.823	7.823	0.0	95	894707	4.92	
98 2-Chloronaphthalene	162	7.844	7.844	0.0	96	729962	5.13	
100 2-Nitroaniline	65	7.925	7.925	0.0	82	224091	5.37	
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	8.069	8.069	0.0	99	784744	5.19	
105 2,6-Dinitrotoluene	165	8.122	8.122	0.0	94	172070	5.16	
101 1,4-Naphthoquinone	158		8.168					
106 1,2-Dinitrobenzene	168	8.171	8.171	0.0	89	95965	5.72	
107 Acenaphthylene	152	8.197	8.197	0.0	90	1194393	5.09	
102 1,4-Dinitrobenzene	168		8.211					
108 3-Nitroaniline	138	8.267	8.267	0.0	93	199449	5.27	
104 1,3-Dinitrobenzene	168		8.275					9
110 Acenaphthene	153	8.342	8.342	0.0	93	717687	5.08	
109 2,4-Dinitrophenol	184	8.358	8.358	0.0	79	201068	9.72	
111 4-Nitrophenol	109	8.390	8.390	0.0	92	114494	5.25	
112 2,4-Dinitrotoluene	165	8.465	8.465	0.0	89	241050	5.35	
114 Dibenzofuran	168	8.486	8.486	0.0	85	1038362	4.95	
115 2,3,5,6-Tetrachlorophenol	232	8.550	8.550	0.0	90	211593	5.49	
113 Pentachlorobenzene	250		8.633					
119 Diethyl phthalate	149	8.657	8.657	0.0	98	812177	5.14	
116 1-Naphthylamine	143		8.735					9
117 2,3,4,6-Tetrachlorophenol	232		8.762					9
121 4-Chlorophenyl phenyl ether	204	8.764	8.764	0.0	93	417648	5.24	
124 Fluorene	166	8.775	8.775	0.0	85	861706	5.12	
123 4-Nitroaniline	138	8.780	8.780	0.0	84	214903	5.30	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
118 2-Naphthylamine	143		8.799					9
126 4,6-Dinitro-2-methylphenol	198	8.807	8.807	0.0	84	144545	5.17	
130 N-Nitrosodiphenylamine	169	8.861	8.861	0.0	0	622765	4.92	
131 Azobenzene	77	8.898	8.898	0.0	99	853662	4.78	
129 1,2-Diphenylhydrazine	77	8.898	8.898	0.0	0	853838	4.78	
120 Thionazin	97		8.901					9
122 N-Nitro-o-toluidine	152		8.954					
125 Tributyl phosphate	99		8.992					9
128 Diphenylamine	169		9.040					
132 Sulfotepp	202		9.152					
137 4-Bromophenyl phenyl ether	248	9.176	9.182	-0.006	66	239201	5.11	
133 1,3,5-Trinitrobenzene	213		9.238					9
139 Hexachlorobenzene	284	9.240	9.240	0.0	90	253933	5.27	
228 Diallate Peak 1	86		9.275					1
135 Phenacetin	108		9.281					9
136 Phorate	121		9.286					9
140 Atrazine	200	9.294	9.299	-0.005	90	192450	5.59	
230 Diallate Peak 2	86		9.356					
141 Pentachlorophenol	266	9.401	9.401	0.0	91	327996	10.3	
138 Dimethoate	87		9.430					9
127 4-Aminobiphenyl	169		9.575					9
146 Phenanthrene	178	9.588	9.588	0.0	96	1224917	4.89	
143 Pentachloronitrobenzene	237		9.591					
142 Pronamide	173		9.607					9
147 Anthracene	178	9.631	9.631	0.0	97	1281994	5.15	
145 Dinoseb	211		9.719					
144 Disulfoton	88		9.725					9
149 Carbazole	167	9.759	9.759	0.0	82	1225532	5.06	
148 DFTPP								
151 Di-n-butyl phthalate	149	10.021	10.021	0.0	100	1425856	5.25	
150 Methyl parathion	109		10.045					9
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	10.588	10.588	0.0	97	1424189	5.14	
156 Isodrin	66		10.655					9
158 Benzidine	184	10.684	10.684	0.0	99	759631	5.06	
160 Pyrene	202	10.781	10.781	0.0	96	1526339	5.10	
164 4,4'-DDE	246		10.845					9
226 Aramite Peak 1	185		11.056					
229 Aramite Peak 2	185		11.126					
163 4,4'-DDD	235		11.187					9
161 p-Dimethylamino azobenzene	225		11.233					
162 Chlorobenzilate	139		11.265					9
166 Butyl benzyl phthalate	149	11.348	11.348	0.0	98	617151	5.16	
168 4,4'-DDT	235		11.455					9
165 Famphur	218		11.522					
167 3,3'-Dimethylbenzidine	212		11.581					
169 2-Acetylaminofluorene	181		11.859					9
170 3,3'-Dimethoxybenzidine	244	11.915	11.915	0.0	94	312593	5.32	
173 3,3'-Dichlorobenzidine	252	11.947	11.947	0.0	65	527673	5.18	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	11.952	11.952	0.0	69	246835	5.33	
171 Bis(2-ethylhexyl) phthalate	149	11.973	11.979	-0.006	95	860007	5.10	
175 Benzo[a]anthracene	228	11.995	11.995	0.0	93	1361543	5.20	
176 Chrysene	228	12.038	12.038	0.0	93	1283106	5.15	
174 Hexabromobenzene	232		12.228					
177 6-Methylchrysene	242		12.827					9
178 Di-n-octyl phthalate	149	12.829	12.829	0.0	99	1346643	4.96	
180 Benzo[b]fluoranthene	252	13.412	13.412	0.0	94	1334057	5.27	
181 Benzo[k]fluoranthene	252	13.450	13.455	-0.005	99	1436932	5.23	
179 7,12-Dimethylbenz(a)anthracene	256		13.736					9
182 Benzo[a]pyrene	252	13.888	13.888	0.0	75	1320212	5.18	
183 3-Methylcholanthrene	268		14.774					9
184 Dibenz[a,j]acridine	279		15.501					9
186 Indeno[1,2,3-cd]pyrene	276	15.552	15.557	-0.005	98	1468210	5.22	
185 Dibenz[a,h]acridine	279		15.576					
187 Dibenz(a,h)anthracene	278	15.578	15.578	0.0	80	1217789	5.09	
188 Benzo[g,h,i]perylene	276	15.948	15.953	-0.005	94	1285112	5.66	
S 189 Methyl Phenols,Total	100				0		4.85	
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	7.138	0.0	7.138	90	66427	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.089	3.047	0.039	1	157	0	
T 194 Octadecane (TIC)	254	14.118	6.300	7.818	87	68960	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

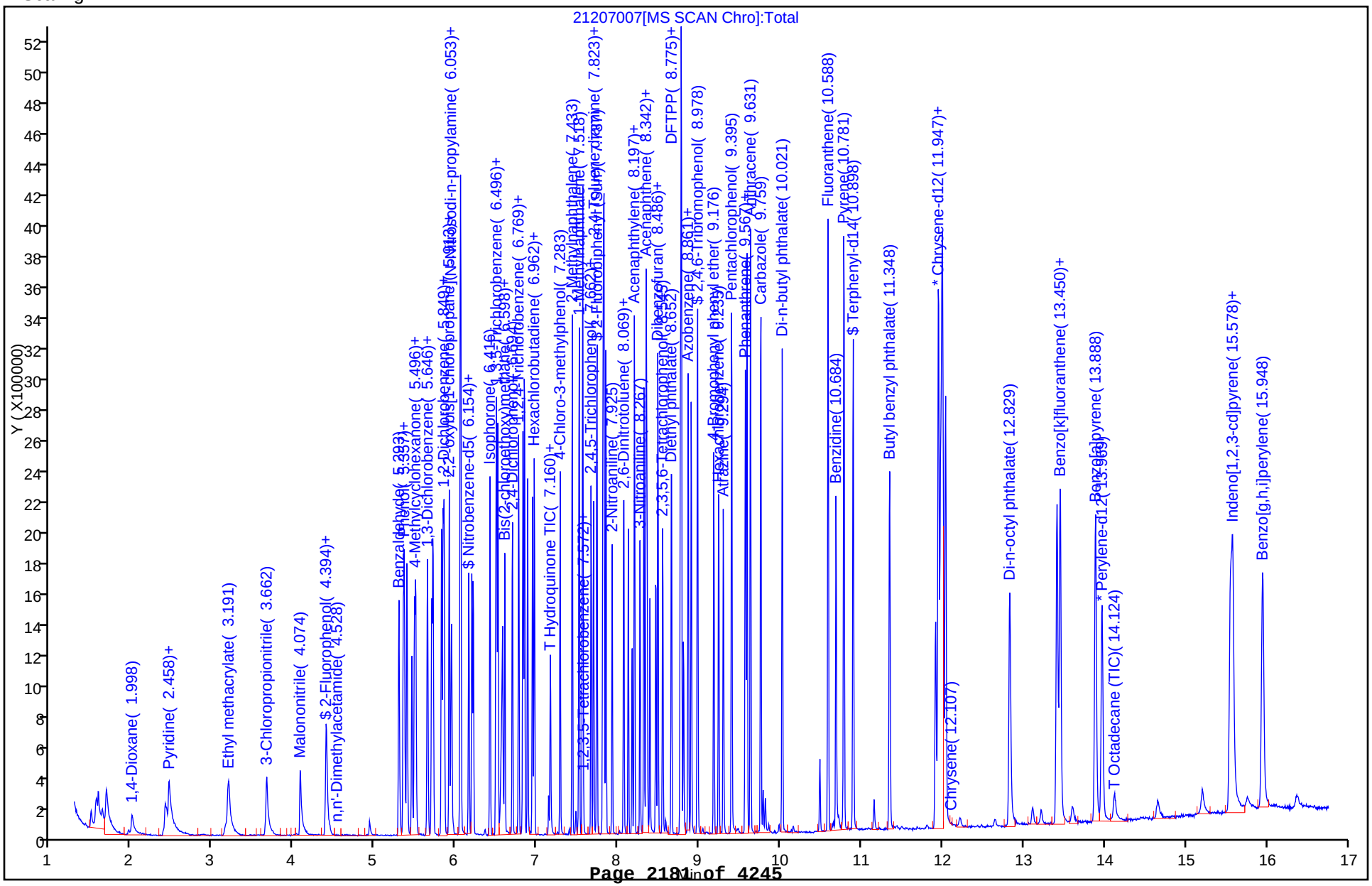
Report Date: 10-Dec-2012 11:29:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121207-15633.b\21207007.D

Injection Date:	07-Dec-2012 13:15:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67761	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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68148/4

Matrix: Solid | Lab File ID: 21211004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/11/2012 11:34

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68148 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.57		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.67		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.57		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.49		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.42		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.59		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.78		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	9.04		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.65		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.29		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.26		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.31		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.31		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.76		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.28		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.53		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	4.94		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.38		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.48		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.57		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.43		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.27		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.50		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.55		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.41		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.57		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	4.38		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	5.07		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.67		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.59		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.63		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.56		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.32		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	9.25		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68148/4

Matrix: Solid | Lab File ID: 21211004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/11/2012 11:34

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68148 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.64		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.49		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.42		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.65		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.51		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.46		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	6.26		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	5.30		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.30		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.46		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.73		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.83		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.37		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.54		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.71		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.64		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	4.55		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.66		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.68		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	5.06		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.87		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.45		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.50		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.56		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.39		0.00020	0.00010	0.00010
108-95-2	Phenol	4.49		0.0010	0.00080	0.00060
129-00-0	Pyrene	4.37		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.85		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.72		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.74		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68148/4

Matrix: Solid | Lab File ID: 21211004.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/11/2012 11:34

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68148 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	114	Q	50-150
367-12-4	2-Fluorophenol (Surr)	89		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	117	Q	50-150
4165-62-2	Phenol-d5 (Surr)	90		50-150
1718-51-0	Terphenyl-d14 (Surr)	103		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	95		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211004.D		
Lims ID:	mrl qc	Client ID:	
Inject. Date:	11-Dec-2012 11:34:30	Dil. Factor:	1.0000
Sample Type:	MRL		
Sample ID:	240-0015716-004		
Misc. Info.:	mrl qc		
Operator:	001710	Instrument ID:	A4HP7
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	68148	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Ncchrom\ChromData\A4HP7\20121211-15716.b\8270_hp7.m		
Last Update:	12-Dec-2012 09:45:45	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:	XAWRK017		
First Level Reviewer: gruberj		Date:	11-Dec-2012 12:46:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.702	5.702	0.0	96	188482	4.00	
* 2 Naphthalene-d8	136	6.825	6.826	-0.001	100	695776	4.00	
* 3 Acenaphthene-d10	164	8.318	8.318	0.0	93	415339	4.00	
* 4 Phenanthrene-d10	188	9.575	9.575	0.0	98	721444	4.00	
* 5 Chrysene-d12	240	12.014	12.014	0.0	95	768400	4.00	
* 6 Perylene-d12	264	13.977	13.977	0.0	97	616187	4.00	
$ 7 2-Fluorophenol	112	4.397	4.397	0.0	91	260051	4.46	
$ 8 Phenol-d5	99	5.349	5.349	0.0	91	333742	4.51	
$ 9 Nitrobenzene-d5	82	6.194	6.194	0.0	89	357722	5.85	
$ 10 2-Fluorobiphenyl (Surr)	172	7.740	7.740	0.0	99	769503	5.71	
$ 11 2,4,6-Tribromophenol	330	8.981	8.981	0.0	87	81400	4.74	
$ 12 Terphenyl-d14	244	10.901	10.906	-0.005	98	732793	5.15	
13 Bis(2-hydroxyphenyl)methane	1		0.000					
21 Octachlorostyrene	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
14 4-Methylcatechol	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
15 Catechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
24 1,4-Dioxane	88	1.969	1.969	0.0	95	85733	3.92	
25 N-Nitrosodimethylamine	74	2.391	2.391	0.0	80	142656	4.02	
26 Pyridine	79	2.440	2.429	0.011	91	230825	3.68	
27 Ethyl methacrylate	69	3.172	3.172	0.0	91	179841	3.45	
232 1-Methyl-2-pyrrilidinone	99		3.271					14
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.654	3.654	0.0	89	172587	4.97	
30 2-Picoline	93		3.659					
31 N-Nitrosomethylethylamine	88		3.836					
32 Malononitrile	66	4.076	4.076	0.0	98	342258	5.22	
33 Acrylamide	71	4.173	4.168	0.005	16	154	0	
34 Methyl methanesulfonate	80		4.210					
29 3-Picoline	93		4.264					
233 n,n'-Dimethylacetamide	44	4.231	4.306	-0.075	0	1298	0	
35 N-Nitrosodiethylamine	102		4.654					
36 Ethyl methanesulfonate	79		4.970					9
37 2-Methylcyclohexanone	68	5.183	5.178	0.005	1	210	0	
38 3-Methylcyclohexanone	69	5.226	5.216	0.010	1	63	0	
39 4-Methylcyclohexanone	55	5.242	5.264	-0.022	1	708	0	
40 Benzaldehyde	77	5.296	5.296	0.0	90	278523	5.67	
42 Phenylmercaptan	110		5.323					
41 Phenol	94	5.360	5.365	-0.005	98	354429	4.49	
43 Aniline	93	5.392	5.392	0.0	98	435093	4.41	
45 Pentachloroethane	167		5.440					
44 Bis(2-chloroethyl)ether	93	5.456	5.456	0.0	96	323197	5.31	
46 2-Chlorophenol	128	5.504	5.504	0.0	94	285466	4.48	
47 1,3-Dichlorobenzene	146	5.649	5.649	0.0	96	371440	5.41	
48 1,4-Dichlorobenzene	146	5.718	5.718	0.0	93	311832	4.57	
49 Benzyl alcohol	108	5.820	5.820	0.0	92	168585	4.29	
50 1,2-Dichlorobenzene	146	5.852	5.852	0.0	89	361268	5.55	
51 2-Methylphenol	108	5.916	5.916	0.0	98	251437	4.37	
53 Indene	115		5.922					9
52 2,2'-oxybis[1-chloropropane]	45	5.943	5.943	0.0	91	447830	5.01	
55 N-Nitrosopyrrolidine	100		6.039					
191 3 & 4 Methylphenol	108	6.050	6.050	0.0	96	273379	4.54	
57 Acetophenone	105	6.061	6.061	0.0	90	389560	4.57	
56 N-Nitrosodi-n-propylamine	70	6.055	6.061	-0.006	89	190116	4.45	
58 N-Nitrosomorpholine	56		6.077					9
59 2-Toluidine	106		6.093					
60 Hexachloroethane	117	6.157	6.157	0.0	92	146948	5.30	
61 Nitrobenzene	77	6.216	6.216	0.0	83	359074	5.68	
62 N-Nitrosopiperidine	114		6.344					
63 Isophorone	82	6.419	6.419	0.0	99	525215	4.73	
65 2-Nitrophenol	139	6.494	6.494	0.0	93	150685	5.06	
66 1,3,5-Trichlorobenzene	180	6.499	6.505	-0.006	94	327898	5.94	
64 2,4-Dimethylphenol	107	6.515	6.521	-0.006	83	268237	4.59	
67 o,o',o''-Triethylphosphorothioat	198		6.574					
69 Benzoic acid	122	6.569	6.590	-0.021	85	315222	9.04	
68 Bis(2-chloroethoxy)methane	93	6.601	6.601	0.0	98	371026	5.26	
71 2,4-Dichlorophenol	162	6.697	6.697	0.0	93	234131	5.07	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.719					9
72 1,2,4-Trichlorobenzene	180	6.772	6.777	-0.005	93	322621	5.85	
73 Naphthalene	128	6.847	6.847	0.0	95	819249	4.71	
74 4-Chloroaniline	127	6.884	6.884	0.0	86	344642	4.65	
75 2,6-Dichlorophenol	162		6.895					9
76 Hexachloropropene	213		6.922					
77 Hexachlorobutadiene	225	6.943	6.943	0.0	91	186765	6.26	
78 1,2,3-Trichlorobenzene	180	6.970	6.970	0.0	91	304169	0	
79 Benzothiazole	135		7.056					9
80 Quinoline	129		7.120					
81 N-Nitrosodi-n-butylamine	84		7.163					
83 Caprolactam	113	7.162	7.173	-0.011	68	82598	4.68	
82 p-Phenylene diamine	108		7.184					9
84 4-Chloro-3-methylphenol	107	7.285	7.285	0.0	94	245390	4.94	
93 Safrole, Total	162		7.355					
85 2-Methylnaphthalene	142	7.435	7.435	0.0	91	536794	4.83	
86 1-Methylnaphthalene	142	7.521	7.521	0.0	88	503340	4.76	
87 1,2,3,5-Tetrachlorobenzene	216	7.564	7.564	0.0	95	313562	5.55	
88 Hexachlorocyclopentadiene	237	7.564	7.564	0.0	71	178454	5.30	
89 1,2,4,5-Tetrachlorobenzene	216		7.574					
225 Isosafrole Peak 1	162		7.601					
90 2,4,6-Trichlorophenol	196	7.671	7.671	0.0	90	166029	4.74	
91 2,4,5-Trichlorophenol	196	7.697	7.697	0.0	95	178155	4.72	
227 Isosafrole Peak 2	162		7.788					
94 2,4-Toluene diamine	121	7.810	7.810	0.0	98	217765	6.15	
96 1,2,3,4 -Tetrachlorobenzene	216	7.820	7.820	0.0	92	306099	0	
95 1,1'-Biphenyl	154	7.826	7.826	0.0	94	685857	4.68	
97 3,4-Dichloronitrobenzene	109		7.848					9
98 2-Chloronaphthalene	162	7.852	7.852	0.0	96	617215	5.38	
99 Phenyl ether	170		7.907					9
100 2-Nitroaniline	65	7.927	7.927	0.0	80	156298	4.64	
101 1,4-Naphthoquinone	158		7.997					
102 1,4-Dinitrobenzene	168		8.045					
103 Dimethyl phthalate	163	8.072	8.072	0.0	99	564948	4.63	
104 1,3-Dinitrobenzene	168		8.104					
105 2,6-Dinitrotoluene	165	8.131	8.131	-0.001	96	148449	5.49	
106 1,2-Dinitrobenzene	168	8.173	8.179	-0.006	88	77676	5.74	
107 Acenaphthylene	152	8.205	8.205	0.0	89	884208	4.67	
108 3-Nitroaniline	138	8.270	8.275	-0.005	92	138873	4.55	
110 Acenaphthene	153	8.350	8.350	0.0	92	520981	4.57	
109 2,4-Dinitrophenol	184	8.361	8.361	0.0	76	152021	9.25	
111 4-Nitrophenol	109	8.393	8.398	-0.005	95	85721	4.87	
113 Pentachlorobenzene	250		8.457					9
112 2,4-Dinitrotoluene	165	8.467	8.467	0.0	90	205823	5.64	
114 Dibenzofuran	168	8.494	8.494	0.0	88	760885	4.50	
115 2,3,5,6-Tetrachlorophenol	232	8.553	8.553	0.0	90	150052	4.83	
116 1-Naphthylamine	143		8.559					9
117 2,3,4,6-Tetrachlorophenol	232		8.591					
118 2-Naphthylamine	143		8.623					9
119 Diethyl phthalate	149	8.660	8.660	0.0	98	595143	4.67	
120 Thionazin	97		8.730					9
121 4-Chlorophenyl phenyl ether	204	8.772	8.772	0.0	90	357743	5.57	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
124 Fluorene	166	8.783	8.783	0.0	92	612579	4.51	
122 N-Nitro-o-toluidine	152		8.783					9
123 4-Nitroaniline	138	8.783	8.788	-0.005	82	151486	4.66	
126 4,6-Dinitro-2-methylphenol	198	8.810	8.810	0.0	81	91915	4.32	
125 Tributyl phosphate	99		8.826					9
130 N-Nitrosodiphenylamine	169	8.869	8.869	0.0	0	447627	4.50	
128 Diphenylamine	169	8.869	8.869	0.0	94	447627	4.10	
129 1,2-Diphenylhydrazine	77	8.906	8.906	0.0	0	609725	4.34	
131 Azobenzene	77	8.906	8.906	0.0	99	610535	4.35	
132 Sulfotepp	202	8.981	8.981	0.0	71	76186	5.21	
133 1,3,5-Trinitrobenzene	213		9.083					
228 Diallate Peak 1	86		9.104					
135 Phenacetin	108		9.115					
136 Phorate	121		9.115					
230 Diallate Peak 2	86		9.179					
137 4-Bromophenyl phenyl ether	248	9.184	9.184	0.0	62	211983	5.76	
139 Hexachlorobenzene	284	9.243	9.243	0.0	88	206775	5.46	
138 Dimethoate	87		9.254					9
140 Atrazine	200	9.302	9.302	0.0	91	140560	5.19	
141 Pentachlorophenol	266	9.403	9.403	0.0	86	237748	9.56	
127 4-Aminobiphenyl	169	9.403	9.404	-0.001	55	42379	0	
143 Pentachloronitrobenzene	237		9.414					9
142 Pronamide	173		9.436					
145 Dinoseb	211		9.543					
144 Disulfoton	88		9.548					9
146 Phenanthrene	178	9.591	9.596	-0.005	97	865297	4.39	
147 Anthracene	178	9.639	9.639	0.0	97	894329	4.57	
149 Carbazole	167	9.762	9.762	0.0	82	861711	4.53	
148 DFTPP								
150 Methyl parathion	109		9.869					
152 Diphenylsulfone	125		10.025					
151 Di-n-butyl phthalate	149	10.029	10.029	0.0	100	973619	4.56	
153 Ethyl Parathion	97		10.190					
154 4-Nitroquinoline-1-oxide	190		10.238					
155 Methapyrilene	58		10.286					9
156 Isodrin	66		10.468					
157 Fluoranthene	202	10.596	10.596	0.0	96	1012535	4.65	
158 Benzidine	184	10.693	10.693	-0.001	98	404060	3.46	
160 Pyrene	202	10.789	10.789	0.0	97	1071408	4.37	
164 4,4'-DDE	246		10.852					9
226 Aramite Peak 1	185		10.869					
229 Aramite Peak 2	185		10.933					
161 p-Dimethylamino azobenzene	225		11.030					
162 Chlorobenzilate	139		11.062					9
163 4,4'-DDD	235		11.194					9
165 Famphur	218		11.302					
166 Butyl benzyl phthalate	149	11.356	11.356	0.0	97	416186	4.28	
167 3,3'-Dimethylbenzidine	212		11.356					9
168 4,4'-DDT	235		11.462					9
169 2-Acetylaminofluorene	181		11.623					
170 3,3'-Dimethoxybenzidine	244	11.923	11.923	0.0	94	192455	4.20	
173 3,3'-Dichlorobenzidine	252	11.955	11.960	-0.005	67	363281	4.38	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	11.960	11.960	0.0	68	174438	4.62	
171 Bis(2-ethylhexyl) phthalate	149	11.987	11.987	0.0	94	590084	4.31	
175 Benzo[a]anthracene	228	12.003	12.003	0.0	94	963383	4.49	
174 Hexabromobenzene	232		12.020					
176 Chrysene	228	12.046	12.046	0.0	93	905627	4.43	
177 6-Methylchrysene	242		12.597					
178 Di-n-octyl phthalate	149	12.837	12.843	-0.006	99	919902	4.42	
179 7,12-Dimethylbenz(a)anthracene	256		13.410					
180 Benzo[b]fluoranthene	252	13.426	13.426	0.0	94	901373	4.59	
181 Benzo[k]fluoranthene	252	13.463	13.463	0.0	94	993360	4.65	
182 Benzo[a]pyrene	252	13.902	13.902	0.0	76	869082	4.42	
183 3-Methylcholanthrene	268		14.410					9
184 Dibenz[a,j]acridine	279		15.208					
185 Dibenz[a,h]acridine	279		15.277					
186 Indeno[1,2,3-cd]pyrene	276	15.570	15.570	0.0	99	969842	4.46	
187 Dibenz(a,h)anthracene	278	15.592	15.597	-0.005	73	788534	4.27	
188 Benzo[g,h,i]perylene	276	15.966	15.966	0.0	94	843109	4.78	
S 189 Methyl Phenols,Total	100				0		4.37	
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	7.141	0.0	7.141	90	82395	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.049	3.124	-0.001	1	99	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

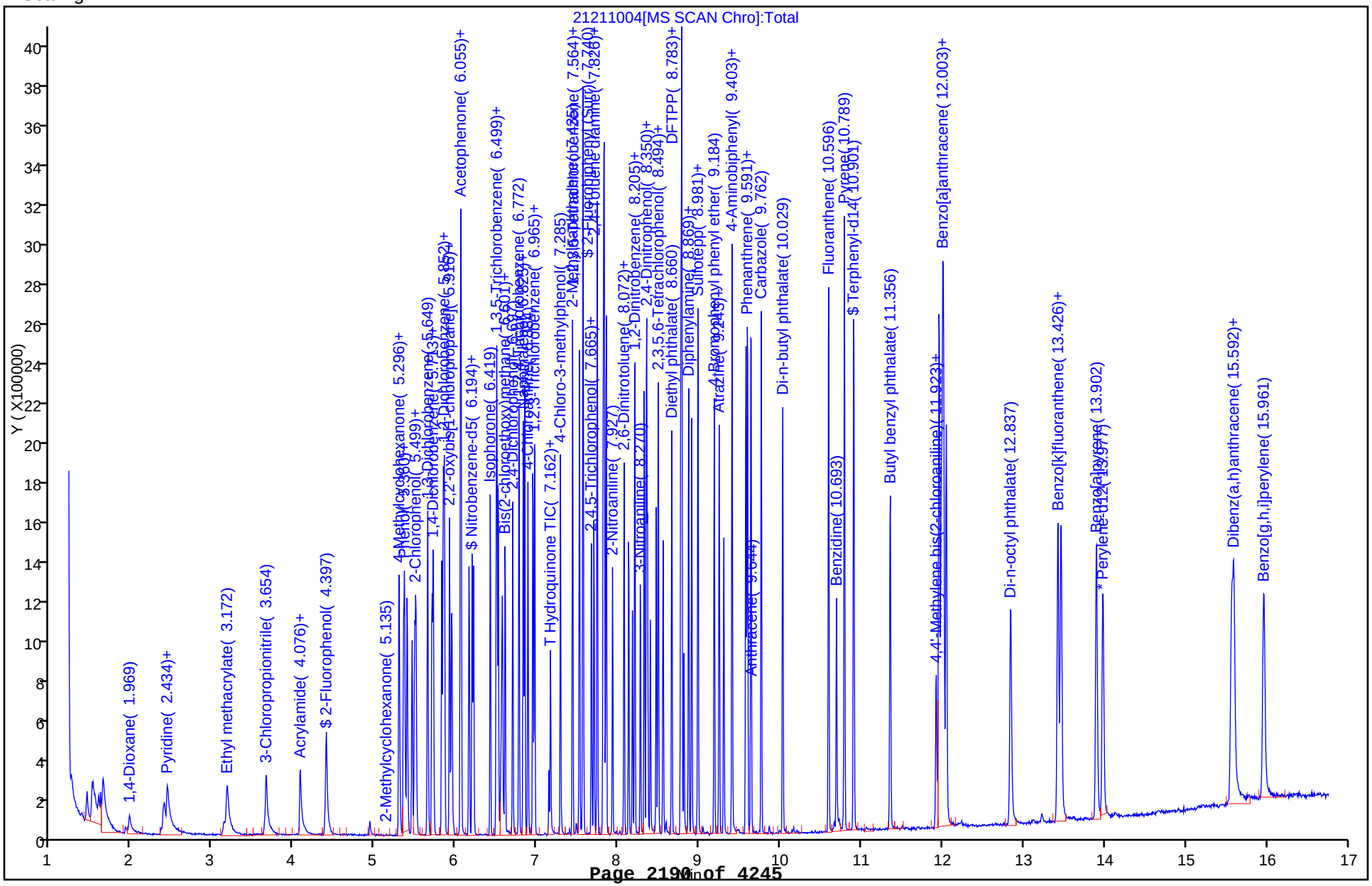
Report Date: 12-Dec-2012 09:45:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211004.D

Injection Date:	11-Dec-2012 11:34:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	Lims Sample ID:	4
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.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68148/15

Matrix: Solid | Lab File ID: 21211015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/11/2012 15:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68148 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	4.62		0.00020	0.00010	0.00010
208-96-8	Acenaphthylene	4.70		0.00020	0.00010	0.00010
120-12-7	Anthracene	4.66		0.00020	0.00010	0.00010
56-55-3	Benzo[a]anthracene	4.48		0.00020	0.00010	0.00010
50-32-8	Benzo[a]pyrene	4.38		0.00020	0.00010	0.00010
205-99-2	Benzo[b]fluoranthene	4.48		0.00020	0.00010	0.00010
191-24-2	Benzo[g,h,i]perylene	4.81		0.00020	0.00010	0.00010
65-85-0	Benzoic acid	8.65		0.025	0.010	0.010
207-08-9	Benzo[k]fluoranthene	4.74		0.00020	0.00010	0.00010
100-51-6	Benzyl alcohol	4.68		0.0050	0.00080	0.00038
111-91-1	Bis(2-chloroethoxy)methane	5.37		0.0010	0.00080	0.00032
111-44-4	Bis(2-chloroethyl)ether	5.35		0.0010	0.00010	0.00010
117-81-7	Bis(2-ethylhexyl) phthalate	4.42		0.0020	0.00080	0.00080
101-55-3	4-Bromophenyl phenyl ether	5.81		0.0020	0.00080	0.00080
85-68-7	Butyl benzyl phthalate	4.31		0.0010	0.00080	0.00080
86-74-8	Carbazole	4.48		0.0010	0.00080	0.00028
59-50-7	4-Chloro-3-methylphenol	4.96		0.0020	0.00080	0.00080
91-58-7	2-Chloronaphthalene	5.55		0.0010	0.00010	0.00010
95-57-8	2-Chlorophenol	4.67		0.0010	0.00080	0.00029
7005-72-3	4-Chlorophenyl phenyl ether	5.66		0.0020	0.00080	0.00030
218-01-9	Chrysene	4.52		0.00020	0.00010	0.00010
53-70-3	Dibenz(a,h)anthracene	4.29		0.00020	0.00010	0.00010
132-64-9	Dibenzofuran	4.58		0.0010	0.00010	0.00010
95-50-1	1,2-Dichlorobenzene	5.58		0.0010	0.00080	0.00029
541-73-1	1,3-Dichlorobenzene	5.57		0.0010	0.00080	0.00080
106-46-7	1,4-Dichlorobenzene	4.55		0.0010	0.00080	0.00034
91-94-1	3,3'-Dichlorobenzidine	4.52		0.0050	0.00080	0.00037
120-83-2	2,4-Dichlorophenol	4.93		0.0020	0.00080	0.00080
84-66-2	Diethyl phthalate	4.70		0.0010	0.00080	0.00060
105-67-9	2,4-Dimethylphenol	4.76		0.0020	0.00080	0.00080
131-11-3	Dimethyl phthalate	4.83		0.0010	0.00080	0.00029
84-74-2	Di-n-butyl phthalate	4.65		0.0010	0.00080	0.00067
534-52-1	4,6-Dinitro-2-methylphenol	4.27		0.0050	0.0024	0.0024
51-28-5	2,4-Dinitrophenol	8.29		0.0050	0.0024	0.0024

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68148/15

Matrix: Solid | Lab File ID: 21211015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/11/2012 15:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68148 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
121-14-2	2,4-Dinitrotoluene	5.63		0.0050	0.00080	0.00027
606-20-2	2,6-Dinitrotoluene	5.60		0.0050	0.00080	0.00080
117-84-0	Di-n-octyl phthalate	4.30		0.0010	0.00080	0.00080
206-44-0	Fluoranthene	4.64		0.00020	0.00010	0.00010
86-73-7	Fluorene	4.67		0.00020	0.00010	0.00010
118-74-1	Hexachlorobenzene	5.83		0.00020	0.00010	0.00010
87-68-3	Hexachlorobutadiene	6.13		0.0010	0.00080	0.00027
77-47-4	Hexachlorocyclopentadiene	5.09		0.010	0.00080	0.00080
67-72-1	Hexachloroethane	5.15		0.0010	0.00080	0.00080
193-39-5	Indeno[1,2,3-cd]pyrene	4.44		0.00020	0.00010	0.00010
78-59-1	Isophorone	4.79		0.0010	0.00080	0.00027
91-57-6	2-Methylnaphthalene	4.93		0.00020	0.00010	0.00010
95-48-7	2-Methylphenol	4.56		0.0010	0.00080	0.00080
15831-10-4	3 & 4 Methylphenol	4.52		0.0020	0.00080	0.00080
91-20-3	Naphthalene	4.78		0.00020	0.00010	0.00010
88-74-4	2-Nitroaniline	4.86		0.0020	0.00080	0.00080
99-09-2	3-Nitroaniline	4.96		0.0020	0.00080	0.00028
100-01-6	4-Nitroaniline	4.75		0.0020	0.00080	0.00080
98-95-3	Nitrobenzene	5.62		0.0010	0.00010	0.000040
88-75-5	2-Nitrophenol	4.89		0.0020	0.00080	0.00028
100-02-7	4-Nitrophenol	4.91		0.0050	0.0024	0.0024
621-64-7	N-Nitrosodi-n-propylamine	4.68		0.0010	0.00080	0.00080
86-30-6	N-Nitrosodiphenylamine	4.51		0.0010	0.00080	0.00031
87-86-5	Pentachlorophenol	9.41		0.0050	0.0024	0.0024
85-01-8	Phenanthrene	4.43		0.00020	0.00010	0.00010
108-95-2	Phenol	4.60		0.0010	0.00080	0.00060
129-00-0	Pyrene	4.34		0.00020	0.00010	0.00010
120-82-1	1,2,4-Trichlorobenzene	5.79		0.0010	0.00080	0.00028
95-95-4	2,4,5-Trichlorophenol	4.93		0.0050	0.00080	0.00030
88-06-2	2,4,6-Trichlorophenol	4.78		0.0050	0.00080	0.00080

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-68148/15

Matrix: Solid | Lab File ID: 21211015.D

Analysis Method: 8270C/DoD | Date Collected:

Extract. Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 12/11/2012 15:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 68148 | Units: ng/uL

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	112	Q	50-150
367-12-4	2-Fluorophenol (Surr)	89		50-150
4165-60-0	Nitrobenzene-d5 (Surr)	117	Q	50-150
4165-62-2	Phenol-d5 (Surr)	91		50-150
1718-51-0	Terphenyl-d14 (Surr)	108		50-150
118-79-6	2,4,6-Tribromophenol (Surr)	102		50-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211015.D
Lims ID: mrl qccl
Client ID:
Inject. Date: 11-Dec-2012 15:50:30
Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015716-015
Misc. Info.: mrl qccl
Operator: 001710
Instrument ID: A4HP7
Injection Vol: 1.0 ul
ALS Bottle#: 4
Lims Batch ID: 68148
Lims Sample ID: 15
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\8270_hp7.m
Last Update: 12-Dec-2012 09:45:45
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: XAWRK017

First Level Reviewer: gruberj
Date: 11-Dec-2012 16:26:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.702	5.702	0.0	95	218646	4.00	
* 2 Naphthalene-d8	136	6.825	6.826	-0.001	100	834187	4.00	
* 3 Acenaphthene-d10	164	8.323	8.318	0.005	91	499671	4.00	
* 4 Phenanthrene-d10	188	9.575	9.575	0.0	98	878714	4.00	
* 5 Chrysene-d12	240	12.014	12.014	0.0	97	927672	4.00	
* 6 Perylene-d12	264	13.977	13.977	0.0	93	763353	4.00	
$ 7 2-Fluorophenol	112	4.397	4.397	0.0	94	301236	4.46	
$ 8 Phenol-d5	99	5.349	5.349	0.0	90	391072	4.56	
$ 9 Nitrobenzene-d5	82	6.194	6.194	0.0	89	429559	5.86	
$ 10 2-Fluorobiphenyl (Surr)	172	7.740	7.740	0.0	99	903800	5.58	
$ 11 2,4,6-Tribromophenol	330	8.981	8.981	0.0	86	105640	5.11	
$ 12 Terphenyl-d14	244	10.901	10.906	-0.005	99	926649	5.39	
13 Bis(2-hydroxyphenyl)methane	1		0.000					
21 Octachlorostyrene	1		0.000					
22 3-Methylcatechol	1		0.000					
20 2,5-Dichlorophenol	1		0.000					
234 2-Isopropylphenol TIC	1		0.000					
240 3-isopropylphenol TIC	1		0.000					
236 4-isopropylphenol TIC	1		0.000					
238 Trimethyl phosphate TIC	1		0.000					
19 Bis(4-hydroxyphenyl)methane	1		0.000					
241 Tricresyl phosphate TIC	1		0.000					
16 2,3-Dichlorophenol	1		0.000					
243 3-(1,1-Dimethylethyl Phenol) TIC	1		0.000					
237 Tris(2,3-dibromopropyl)phosphate	1		0.000					
17 4-Chlorophenol	1		0.000					
14 4-Methylcatechol	1		0.000					
235 2,3,7,8-TCDD TIC	1		0.000					
15 Catechol	1		0.000					
239 2,3,7,8 TCDF TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
242 Triphenyl Phosphate TIC	1		0.000					
23 Octachlorocyclopentene	1		0.000					
24 1,4-Dioxane	88	1.969	1.969	0.0	93	95104	3.75	
25 N-Nitrosodimethylamine	74	2.386	2.391	-0.005	88	164103	3.99	
26 Pyridine	79	2.429	2.429	0.0	93	280420	3.86	
27 Ethyl methacrylate	69	3.167	3.172	-0.005	90	240511	3.98	
232 1-Methyl-2-pyrrilidinone	99	3.258	3.271	-0.013	0	2187	0	
18 Dimethylformamide	73		3.545					
28 3-Chloropropionitrile	54	3.654	3.654	0.0	90	229563	5.69	
30 2-Picoline	93		3.659					
31 N-Nitrosomethylethylamine	88		3.836					9
32 Malononitrile	66	4.071	4.076	-0.005	98	405815	5.34	
33 Acrylamide	71	4.178	4.168	0.010	1	198	0	
34 Methyl methanesulfonate	80		4.210					
29 3-Picoline	93		4.264					
233 n,n'-Dimethylacetamide	44	4.354	4.306	0.048	0	975	0	
35 N-Nitrosodiethylamine	102		4.654					
36 Ethyl methanesulfonate	79		4.970					9
37 2-Methylcyclohexanone	68	5.226	5.178	0.048	1	168	0	
38 3-Methylcyclohexanone	69	5.210	5.216	-0.006	1	100	0	
39 4-Methylcyclohexanone	55	5.253	5.264	-0.011	1	1048	0	
40 Benzaldehyde	77	5.296	5.296	0.0	92	342743	6.01	
42 Phenylmercaptan	110		5.323					
41 Phenol	94	5.360	5.365	-0.005	97	420985	4.60	
43 Aniline	93	5.392	5.392	0.0	97	507330	4.43	
45 Pentachloroethane	167		5.440					
44 Bis(2-chloroethyl)ether	93	5.456	5.456	0.0	96	378167	5.35	
46 2-Chlorophenol	128	5.504	5.504	0.0	95	345424	4.67	
47 1,3-Dichlorobenzene	146	5.649	5.649	0.0	97	443378	5.57	
48 1,4-Dichlorobenzene	146	5.718	5.718	0.0	92	360435	4.55	
49 Benzyl alcohol	108	5.820	5.820	0.0	90	212933	4.68	
50 1,2-Dichlorobenzene	146	5.852	5.852	0.0	86	421150	5.58	
51 2-Methylphenol	108	5.916	5.916	0.0	97	303915	4.56	
53 Indene	115		5.922					9
52 2,2'-oxybis[1-chloropropane]	45	5.943	5.943	0.0	92	531903	5.13	
55 N-Nitrosopyrrolidine	100		6.039					
191 3 & 4 Methylphenol	108	6.050	6.050	0.0	96	315806	4.52	
57 Acetophenone	105	6.061	6.061	0.0	92	471077	4.77	
56 N-Nitrosodi-n-propylamine	70	6.055	6.061	-0.006	92	231723	4.68	
58 N-Nitrosomorpholine	56		6.077					9
59 2-Toluidine	106		6.093					
60 Hexachloroethane	117	6.157	6.157	0.0	92	165781	5.15	
61 Nitrobenzene	77	6.210	6.216	-0.006	85	426259	5.62	
62 N-Nitrosopiperidine	114		6.344					
63 Isophorone	82	6.419	6.419	0.0	97	636707	4.79	
65 2-Nitrophenol	139	6.494	6.494	0.0	93	174424	4.89	
66 1,3,5-Trichlorobenzene	180	6.499	6.505	-0.006	95	381390	5.77	
64 2,4-Dimethylphenol	107	6.515	6.521	-0.006	86	333495	4.76	
67 o,o',o''-Triethylphosphorothioat	198		6.574					
69 Benzoic acid	122	6.574	6.590	-0.016	86	358635	8.65	
68 Bis(2-chloroethoxy)methane	93	6.601	6.601	0.0	99	453768	5.37	
71 2,4-Dichlorophenol	162	6.697	6.697	0.0	94	273457	4.93	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
70 alpha,alpha-Dimethyl phenethylam	58		6.719					9
72 1,2,4-Trichlorobenzene	180	6.772	6.777	-0.005	90	382644	5.79	
73 Naphthalene	128	6.847	6.847	0.0	95	996380	4.78	
74 4-Chloroaniline	127	6.884	6.884	0.0	86	422135	4.75	
75 2,6-Dichlorophenol	162		6.895					9
76 Hexachloropropene	213		6.922					
77 Hexachlorobutadiene	225	6.943	6.943	0.0	93	219469	6.13	
78 1,2,3-Trichlorobenzene	180	6.970	6.970	0.0	90	366351	0	
79 Benzothiazole	135		7.056					9
80 Quinoline	129		7.120					
81 N-Nitrosodi-n-butylamine	84		7.163					
83 Caprolactam	113	7.162	7.173	-0.011	71	97071	4.59	
82 p-Phenylene diamine	108		7.184					9
84 4-Chloro-3-methylphenol	107	7.285	7.285	0.0	94	295347	4.96	
93 Safrole, Total	162		7.355					
85 2-Methylnaphthalene	142	7.435	7.435	0.0	91	656954	4.93	
86 1-Methylnaphthalene	142	7.521	7.521	0.0	90	599135	4.72	
87 1,2,3,5-Tetrachlorobenzene	216	7.564	7.564	0.0	96	391197	5.76	
88 Hexachlorocyclopentadiene	237	7.564	7.564	0.0	69	205927	5.09	
89 1,2,4,5-Tetrachlorobenzene	216		7.574					
225 Isosafrole Peak 1	162		7.601					
90 2,4,6-Trichlorophenol	196	7.671	7.671	0.0	90	201127	4.78	
91 2,4,5-Trichlorophenol	196	7.697	7.697	0.0	95	223781	4.93	
227 Isosafrole Peak 2	162		7.788					
94 2,4-Toluene diamine	121	7.810	7.810	0.0	98	252110	5.94	
96 1,2,3,4 -Tetrachlorobenzene	216	7.820	7.820	0.0	94	376951	0	
95 1,1'-Biphenyl	154	7.826	7.826	0.0	94	822528	4.66	
97 3,4-Dichloronitrobenzene	109		7.848					9
98 2-Chloronaphthalene	162	7.852	7.852	0.0	94	765430	5.55	
99 Phenyl ether	170		7.907					9
100 2-Nitroaniline	65	7.927	7.927	0.0	83	196859	4.86	
101 1,4-Naphthoquinone	158		7.997					
102 1,4-Dinitrobenzene	168		8.045					9
103 Dimethyl phthalate	163	8.072	8.072	0.0	98	708246	4.83	
104 1,3-Dinitrobenzene	168		8.104					
105 2,6-Dinitrotoluene	165	8.131	8.131	-0.001	94	182493	5.60	
106 1,2-Dinitrobenzene	168	8.173	8.179	-0.006	90	97663	6.00	
107 Acenaphthylene	152	8.205	8.205	0.0	91	1071285	4.70	
108 3-Nitroaniline	138	8.275	8.275	0.0	96	182029	4.96	
110 Acenaphthene	153	8.350	8.350	0.0	92	633182	4.62	
109 2,4-Dinitrophenol	184	8.361	8.361	0.0	72	157608	8.29	
111 4-Nitrophenol	109	8.393	8.398	-0.005	95	103940	4.91	
113 Pentachlorobenzene	250		8.457					9
112 2,4-Dinitrotoluene	165	8.467	8.467	0.0	91	246986	5.63	
114 Dibenzofuran	168	8.494	8.494	0.0	84	932414	4.58	
115 2,3,5,6-Tetrachlorophenol	232	8.553	8.553	0.0	91	179080	4.79	
116 1-Naphthylamine	143		8.559					9
117 2,3,4,6-Tetrachlorophenol	232		8.591					
118 2-Naphthylamine	143		8.623					9
119 Diethyl phthalate	149	8.660	8.660	0.0	98	720926	4.70	
120 Thionazin	97		8.730					9
121 4-Chlorophenyl phenyl ether	204	8.772	8.772	0.0	90	437568	5.66	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
124 Fluorene	166	8.783	8.783	0.0	83	763066	4.67	
122 N-Nitro-o-toluidine	152		8.783					
123 4-Nitroaniline	138	8.783	8.788	-0.005	81	185629	4.75	
126 4,6-Dinitro-2-methylphenol	198	8.810	8.810	0.0	82	110366	4.27	
125 Tributyl phosphate	99		8.826					
130 N-Nitrosodiphenylamine	169	8.869	8.869	0.0	0	547131	4.51	
128 Diphenylamine	169	8.869	8.869	0.0	95	547131	4.12	
129 1,2-Diphenylhydrazine	77	8.906	8.906	0.0	0	743818	4.35	
131 Azobenzene	77	8.906	8.906	0.0	99	743818	4.35	
132 Sulfotepp	202	8.981	8.981	0.0	72	89951	5.06	
133 1,3,5-Trinitrobenzene	213		9.083					
228 Diallate Peak 1	86		9.104					
135 Phenacetin	108		9.115					
136 Phorate	121		9.115					9
230 Diallate Peak 2	86		9.179					
137 4-Bromophenyl phenyl ether	248	9.184	9.184	0.0	61	260602	5.81	
139 Hexachlorobenzene	284	9.243	9.243	0.0	90	269247	5.83	
138 Dimethoate	87		9.254					9
140 Atrazine	200	9.302	9.302	0.0	93	165354	5.01	
141 Pentachlorophenol	266	9.403	9.403	0.0	87	284629	9.41	
127 4-Aminobiphenyl	169		9.404					9
143 Pentachloronitrobenzene	237		9.414					9
142 Pronamide	173		9.436					
145 Dinoseb	211		9.543					
144 Disulfoton	88		9.548					9
146 Phenanthrene	178	9.591	9.596	-0.005	97	1062967	4.43	
147 Anthracene	178	9.639	9.639	0.0	97	1111529	4.66	
149 Carbazole	167	9.762	9.762	0.0	82	1039007	4.48	
148 DFTPP								
150 Methyl parathion	109		9.869					
152 Diphenylsulfone	125		10.025					
151 Di-n-butyl phthalate	149	10.029	10.029	0.0	100	1209755	4.65	
153 Ethyl Parathion	97		10.190					9
154 4-Nitroquinoline-1-oxide	190		10.238					
155 Methapyrilene	58		10.286					
156 Isodrin	66		10.468					
157 Fluoranthene	202	10.596	10.596	0.0	97	1231227	4.64	
158 Benzidine	184	10.693	10.693	-0.001	99	467995	3.33	
160 Pyrene	202	10.789	10.789	0.0	98	1285231	4.34	
164 4,4'-DDE	246		10.852					9
226 Aramite Peak 1	185		10.869					
229 Aramite Peak 2	185		10.933					
161 p-Dimethylamino azobenzene	225		11.030					
162 Chlorobenzilate	139		11.062					9
163 4,4'-DDD	235		11.194					
165 Famphur	218		11.302					
166 Butyl benzyl phthalate	149	11.356	11.356	0.0	97	505616	4.31	
167 3,3'-Dimethylbenzidine	212		11.356					9
168 4,4'-DDT	235		11.462					9
169 2-Acetylaminofluorene	181		11.623					
170 3,3'-Dimethoxybenzidine	244	11.923	11.923	0.0	95	235002	4.23	
173 3,3'-Dichlorobenzidine	252	11.955	11.960	-0.005	69	453191	4.52	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
172 4,4'-Methylene bis(2-chloroanili	231	11.960	11.960	0.0	69	215974	4.73	
171 Bis(2-ethylhexyl) phthalate	149	11.982	11.987	-0.005	96	731985	4.42	
175 Benzo[a]anthracene	228	12.003	12.003	0.0	94	1159318	4.48	
174 Hexabromobenzene	232		12.020					
176 Chrysene	228	12.046	12.046	0.0	93	1114192	4.52	
177 6-Methylchrysene	242		12.597					
178 Di-n-octyl phthalate	149	12.837	12.843	-0.006	99	1105617	4.30	
179 7,12-Dimethylbenz(a)anthracene	256		13.410					
180 Benzo[b]fluoranthene	252	13.426	13.426	0.0	92	1091632	4.48	
181 Benzo[k]fluoranthene	252	13.463	13.463	0.0	99	1254279	4.74	
182 Benzo[a]pyrene	252	13.896	13.902	-0.006	75	1067418	4.38	
183 3-Methylcholanthrene	268		14.410					9
184 Dibenz[a,j]acridine	279		15.208					
185 Dibenz[a,h]acridine	279		15.277					
186 Indeno[1,2,3-cd]pyrene	276	15.565	15.570	-0.005	98	1197120	4.44	
187 Dibenz(a,h)anthracene	278	15.592	15.597	-0.005	73	981029	4.29	
188 Benzo[g,h,i]perylene	276	15.966	15.966	0.0	94	1051806	4.81	
S 189 Methyl Phenols,Total	100				0		4.56	
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	7.141	0.0	7.141	90	77812	0	
T 195 Hexamethylphosphoramide TIC	1		0.000					1
T 192 Decane TIC	142	3.081	3.124	0.031	1	114	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
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

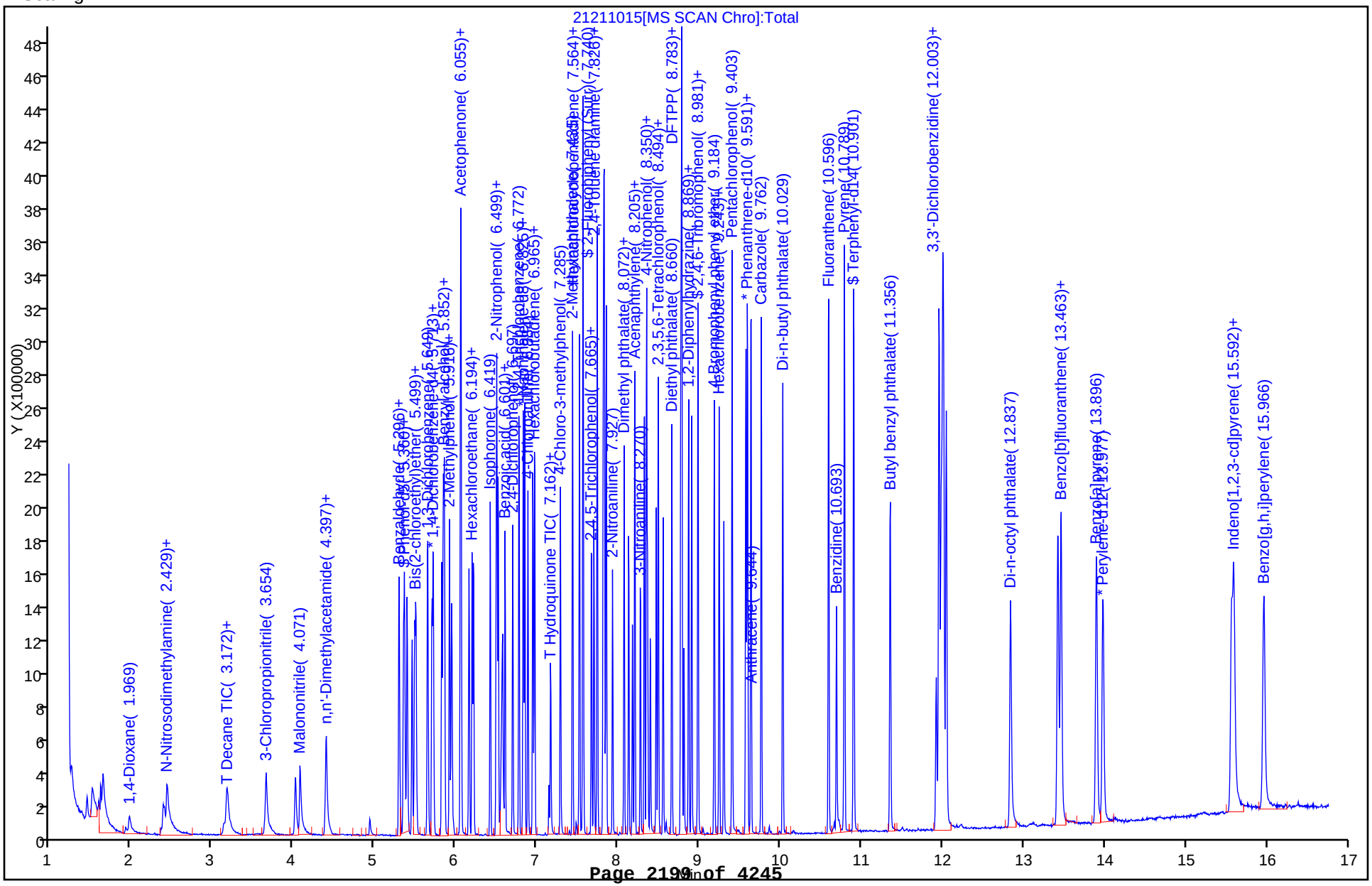
Report Date: 12-Dec-2012 09:46:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121211-15716.b\21211015.D

Injection Date:	11-Dec-2012 15:50:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	68148	Lims Sample ID:	15
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO MS | Lab Sample ID: 240-17796-25 MS

Matrix: Solid | Lab File ID: 21204009.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.62(g) | Date Analyzed: 12/04/2012 12:07

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	479		6.8	3.3	3.3
208-96-8	Acenaphthylene	487		6.8	3.3	3.3
120-12-7	Anthracene	498		6.8	3.3	3.3
56-55-3	Benzo[a]anthracene	500		6.8	3.3	3.3
50-32-8	Benzo[a]pyrene	428		6.8	3.3	3.3
205-99-2	Benzo[b]fluoranthene	484		6.8	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	520		6.8	3.3	3.3
65-85-0	Benzoic acid	340	U	670	340	340
207-08-9	Benzo[k]fluoranthene	480		6.8	3.3	3.3
100-51-6	Benzyl alcohol	496		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	491		100	27	22
111-44-4	Bis(2-chloroethyl)ether	497		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	497		100	27	9.6
117-81-7	Bis(2-ethylhexyl) phthalate	528		51	27	19
101-55-3	4-Bromophenyl phenyl ether	517		51	27	13
85-68-7	Butyl benzyl phthalate	502		51	27	10
86-74-8	Carbazole	470		51	27	27
106-47-8	4-Chloroaniline	150		150	27	17
59-50-7	4-Chloro-3-methylphenol	528		150	27	21
91-58-7	2-Chloronaphthalene	478		51	3.3	3.3
95-57-8	2-Chlorophenol	515		51	27	27
7005-72-3	4-Chlorophenyl phenyl ether	495		51	27	13
218-01-9	Chrysene	514		6.8	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	473		6.8	3.3	3.3
132-64-9	Dibenzofuran	475		51	3.3	3.3
95-50-1	1,2-Dichlorobenzene	451		51	27	9.8
541-73-1	1,3-Dichlorobenzene	429		51	27	11
106-46-7	1,4-Dichlorobenzene	457		51	27	20
91-94-1	3,3'-Dichlorobenzidine	178		100	81	18
120-83-2	2,4-Dichlorophenol	520		150	27	20
84-66-2	Diethyl phthalate	501		51	27	16
105-67-9	2,4-Dimethylphenol	483		150	81	20
131-11-3	Dimethyl phthalate	503		51	27	17
84-74-2	Di-n-butyl phthalate	530		51	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO MS | Lab Sample ID: 240-17796-25 MS

Matrix: Solid | Lab File ID: 21204009.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.62(g) | Date Analyzed: 12/04/2012 12:07

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	236		150	81	81
51-28-5	2,4-Dinitrophenol	193	J	330	81	81
121-14-2	2,4-Dinitrotoluene	492		200	27	27
606-20-2	2,6-Dinitrotoluene	513		200	27	21
117-84-0	Di-n-octyl phthalate	496		51	27	27
206-44-0	Fluoranthene	513		6.8	3.3	3.3
86-73-7	Fluorene	493		6.8	3.3	3.3
118-74-1	Hexachlorobenzene	512		6.8	3.3	2.1
87-68-3	Hexachlorobutadiene	482		51	27	27
77-47-4	Hexachlorocyclopentadiene	32.3	J	330	27	27
67-72-1	Hexachloroethane	436		51	27	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	481		6.8	3.3	3.3
78-59-1	Isophorone	538		51	27	13
91-57-6	2-Methylnaphthalene	526		6.8	3.3	3.3
95-48-7	2-Methylphenol	508		200	81	81
15831-10-4	3 & 4 Methylphenol	1070		410	81	20
91-20-3	Naphthalene	511		6.8	3.3	3.3
88-74-4	2-Nitroaniline	521		200	27	9.2
99-09-2	3-Nitroaniline	301		200	81	16
100-01-6	4-Nitroaniline	324		200	27	26
98-95-3	Nitrobenzene	516		100	3.3	2.2
88-75-5	2-Nitrophenol	514		51	27	27
100-02-7	4-Nitrophenol	485		330	81	81
621-64-7	N-Nitrosodi-n-propylamine	543		51	27	27
86-30-6	N-Nitrosodiphenylamine	501		51	27	21
87-86-5	Pentachlorophenol	360		150	81	81
85-01-8	Phenanthrene	483		6.8	3.3	3.3
108-95-2	Phenol	525		51	27	27
129-00-0	Pyrene	480		6.8	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	453		51	27	27
95-95-4	2,4,5-Trichlorophenol	519		150	27	25
88-06-2	2,4,6-Trichlorophenol	517		150	81	81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO MS | Lab Sample ID: 240-17796-25 MS

Matrix: Solid | Lab File ID: 21204009.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 29.62(g) | Date Analyzed: 12/04/2012 12:07

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	67		45-105
367-12-4	2-Fluorophenol (Surr)	75		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	74		35-100
4165-62-2	Phenol-d5 (Surr)	79		40-100
1718-51-0	Terphenyl-d14 (Surr)	76		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	79		35-125

Report Date: 04-Dec-2012 12:56:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204009.D
Lims ID: 240-17796-E-25-C MS Client ID:
Inject. Date: 04-Dec-2012 12:07:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015502-009
Misc. Info.: 240-17796-e-25-c ms
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 67225 Lims Sample ID: 9
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 04-Dec-2012 12:56:04 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: RT Order ID
Column Type: 5% phenyl Column Dia: 0.18 mm
Process Host: XAWRK009

First Level Reviewer: gruberj Date: 04-Dec-2012 12:39:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.796	5.769	0.027	93	168867	4.00	
* 2 Naphthalene-d8	136	6.903	6.892	0.011	99	662030	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	91	400788	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	97	698840	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	89	722343	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	96	638333	4.00	
$ 7 2-Fluorophenol	112	4.742	4.486	0.256	89	590773	11.3	
$ 8 Phenol-d5	99	5.464	5.422	0.042	96	781858	11.8	
$ 9 Nitrobenzene-d5	82	6.283	6.267	0.016	89	429991	7.39	
$ 10 2-Fluorobiphenyl (Surr)	172	7.813	7.807	0.005	99	873628	6.72	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	92	196345	11.8	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	1017233	7.60	
41 Phenol	94	5.481	5.432	0.048	99	548962	7.77	
44 Bis(2-chloroethyl)ether	93	5.566	5.523	0.043	95	401783	7.36	
46 2-Chlorophenol	128	5.625	5.577	0.048	93	435167	7.62	
47 1,3-Dichlorobenzene	146	5.743	5.721	0.022	96	391223	6.36	
48 1,4-Dichlorobenzene	146	5.812	5.785	0.027	94	413958	6.77	
49 Benzyl alcohol	108	5.919	5.887	0.032	93	258352	7.34	
50 1,2-Dichlorobenzene	146	5.946	5.924	0.022	87	389657	6.69	
51 2-Methylphenol	108	6.005	5.983	0.022	97	387215	7.52	
52 2,2'-oxybis[1-chloropropane]	45	6.031	6.010	0.021	92	589929	7.37	
191 3 & 4 Methylphenol	108	6.138	6.117	0.021	93	857337	15.9	
56 N-Nitrosodi-n-propylamine	70	6.144	6.122	0.022	87	307368	8.04	
60 Hexachloroethane	117	6.240	6.229	0.011	92	160395	6.46	
61 Nitrobenzene	77	6.299	6.283	0.016	84	459588	7.64	
63 Isophorone	82	6.497	6.486	0.011	97	841166	7.97	
65 2-Nitrophenol	139	6.572	6.561	0.011	88	215503	7.61	
64 2,4-Dimethylphenol	107	6.593	6.582	0.011	90	398274	7.16	
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93	6.673	6.668	0.005	98	488016	7.28	

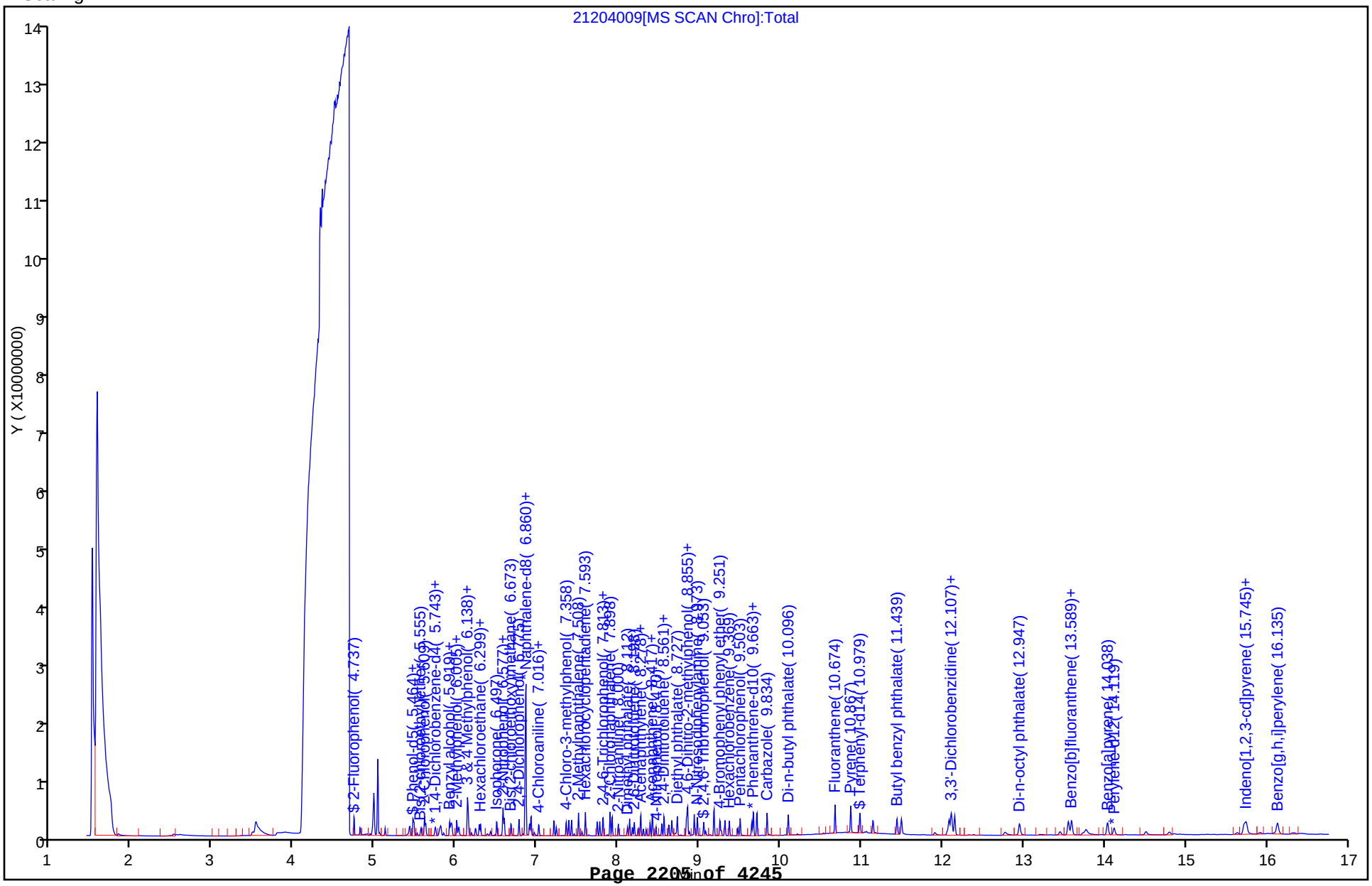
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.775	6.764	0.011	95	338426	7.70	
72 1,2,4-Trichlorobenzene	180	6.850	6.844	0.006	72	351778	6.71	
73 Naphthalene	128	6.925	6.914	0.011	95	1252311	7.57	
74 4-Chloroaniline	127	6.962	6.951	0.011	84	156130	2.21	
77 Hexachlorobutadiene	225	7.021	7.015	0.006	91	202849	7.14	
84 4-Chloro-3-methylphenol	107	7.358	7.352	0.006	96	369619	7.82	
85 2-Methylnaphthalene	142	7.508	7.508	0.0	90	824155	7.79	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	84	15518	0.4778	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	92	258584	7.65	
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	94	279564	7.68	
98 2-Chloronaphthalene	162	7.925	7.919	0.006	96	784284	7.09	
100 2-Nitroaniline	65	8.000	8.000	0.0	85	250482	7.71	
103 Dimethyl phthalate	163	8.139	8.139	0.0	99	877215	7.45	
105 2,6-Dinitrotoluene	165	8.198	8.198	0.0	92	202433	7.59	
107 Acenaphthylene	152	8.278	8.272	0.006	92	1318464	7.21	
108 3-Nitroaniline	138	8.342	8.342	0.0	95	131214	4.45	
110 Acenaphthene	153	8.417	8.417	0.0	95	780444	7.10	
109 2,4-Dinitrophenol	184	8.433	8.427	0.006	6	12245	2.86	
111 4-Nitrophenol	109	8.465	8.465	0.0	94	121900	7.18	
112 2,4-Dinitrotoluene	165	8.535	8.534	0.001	86	260802	7.28	
114 Dibenzofuran	168	8.561	8.561	0.0	88	1147474	7.03	
119 Diethyl phthalate	149	8.727	8.727	0.0	97	912431	7.41	
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	93	454905	7.34	
124 Fluorene	166	8.855	8.850	0.005	92	957288	7.31	
123 4-Nitroaniline	138	8.855	8.855	0.0	71	150496	4.79	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	84	68849	3.50	
130 N-Nitrosodiphenylamine	169	8.936	8.936	0.0	0	714744	7.42	
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	59	273095	7.66	
139 Hexachlorobenzene	284	9.315	9.315	0.0	89	278293	7.58	
141 Pentachlorophenol	266	9.476	9.476	0.0	88	123704	5.34	
146 Phenanthrene	178	9.668	9.663	0.005	97	1364386	7.15	
147 Anthracene	178	9.711	9.711	0.0	97	1397665	7.37	
149 Carbazole	167	9.834	9.834	0.0	81	1283179	6.96	
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	1623672	7.85	
157 Fluoranthene	202	10.674	10.669	0.005	97	1600484	7.59	
160 Pyrene	202	10.867	10.866	0.001	97	1636950	7.10	
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	96	697409	7.44	
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	60	198717	2.64	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	95	1040531	7.83	
175 Benzo[a]anthracene	228	12.102	12.107	-0.005	98	1493836	7.41	
176 Chrysene	228	12.150	12.150	0.0	94	1461394	7.61	
178 Di-n-octyl phthalate	149	12.947	12.952	-0.005	99	1661030	7.34	
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	96	1460400	7.17	
181 Benzo[k]fluoranthene	252	13.594	13.594	0.0	98	1573317	7.11	
182 Benzo[a]pyrene	252	14.038	14.038	0.0	76	1311537	6.34	
186 Indeno[1,2,3-cd]pyrene	276	15.723	15.723	0.0	94	1631632	7.13	
187 Dibenz(a,h)anthracene	278	15.750	15.750	0.0	59	1366661	7.00	
188 Benzo[g,h,i]perylene	276	16.135	16.135	0.0	95	1407321	7.70	

Report Date: 04-Dec-2012 12:56:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204009.D		
Injection Date:	04-Dec-2012 12:07:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	9
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.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO MSD | Lab Sample ID: 240-17796-25 MSD

Matrix: Solid | Lab File ID: 21204010.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.07(g) | Date Analyzed: 12/04/2012 12:30

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
83-32-9	Acenaphthene	469		6.7	3.3	3.3
208-96-8	Acenaphthylene	479		6.7	3.3	3.3
120-12-7	Anthracene	472		6.7	3.3	3.3
56-55-3	Benzo[a]anthracene	497		6.7	3.3	3.3
50-32-8	Benzo[a]pyrene	411		6.7	3.3	3.3
205-99-2	Benzo[b]fluoranthene	468		6.7	3.3	3.3
191-24-2	Benzo[g,h,i]perylene	490		6.7	3.3	3.3
65-85-0	Benzoic acid	330	U	660	330	330
207-08-9	Benzo[k]fluoranthene	445		6.7	3.3	3.3
100-51-6	Benzyl alcohol	474		330	27	21
111-91-1	Bis(2-chloroethoxy)methane	486		100	27	22
111-44-4	Bis(2-chloroethyl)ether	460		100	3.3	2.0
108-60-1	bis (2-chloroisopropyl) ether	463		100	27	9.5
117-81-7	Bis(2-ethylhexyl) phthalate	500		50	27	19
101-55-3	4-Bromophenyl phenyl ether	493		50	27	13
85-68-7	Butyl benzyl phthalate	499		50	27	10
86-74-8	Carbazole	455		50	27	27
106-47-8	4-Chloroaniline	142	J	150	27	17
59-50-7	4-Chloro-3-methylphenol	519		150	27	21
91-58-7	2-Chloronaphthalene	472		50	3.3	3.3
95-57-8	2-Chlorophenol	478		50	27	27
7005-72-3	4-Chlorophenyl phenyl ether	499		50	27	13
218-01-9	Chrysene	505		6.7	3.3	1.1
53-70-3	Dibenz(a,h)anthracene	445		6.7	3.3	3.3
132-64-9	Dibenzofuran	479		50	3.3	3.3
95-50-1	1,2-Dichlorobenzene	421		50	27	9.7
541-73-1	1,3-Dichlorobenzene	390		50	27	11
106-46-7	1,4-Dichlorobenzene	416		50	27	20
91-94-1	3,3'-Dichlorobenzidine	195		100	80	18
120-83-2	2,4-Dichlorophenol	511		150	27	20
84-66-2	Diethyl phthalate	491		50	27	16
105-67-9	2,4-Dimethylphenol	470		150	80	20
131-11-3	Dimethyl phthalate	492		50	27	17
84-74-2	Di-n-butyl phthalate	507		50	27	15

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO MSD | Lab Sample ID: 240-17796-25 MSD

Matrix: Solid | Lab File ID: 21204010.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.07(g) | Date Analyzed: 12/04/2012 12:30

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.: 67225 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
534-52-1	4,6-Dinitro-2-methylphenol	160	J	150	80	80
51-28-5	2,4-Dinitrophenol	174	J	330	80	80
121-14-2	2,4-Dinitrotoluene	480		200	27	27
606-20-2	2,6-Dinitrotoluene	508		200	27	21
117-84-0	Di-n-octyl phthalate	470		50	27	27
206-44-0	Fluoranthene	506		6.7	3.3	3.3
86-73-7	Fluorene	480		6.7	3.3	3.3
118-74-1	Hexachlorobenzene	490		6.7	3.3	2.1
87-68-3	Hexachlorobutadiene	447		50	27	27
77-47-4	Hexachlorocyclopentadiene	32.1	J	330	27	27
67-72-1	Hexachloroethane	402		50	27	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	454		6.7	3.3	3.3
78-59-1	Isophorone	520		50	27	13
91-57-6	2-Methylnaphthalene	515		6.7	3.3	3.3
95-48-7	2-Methylphenol	493		200	80	80
15831-10-4	3 & 4 Methylphenol	1010		400	80	20
91-20-3	Naphthalene	490		6.7	3.3	3.3
88-74-4	2-Nitroaniline	519		200	27	9.1
99-09-2	3-Nitroaniline	301		200	80	16
100-01-6	4-Nitroaniline	356		200	27	26
98-95-3	Nitrobenzene	483		100	3.3	2.2
88-75-5	2-Nitrophenol	486		50	27	27
100-02-7	4-Nitrophenol	445		330	80	80
621-64-7	N-Nitrosodi-n-propylamine	502		50	27	27
86-30-6	N-Nitrosodiphenylamine	483		50	27	21
87-86-5	Pentachlorophenol	307		150	80	80
85-01-8	Phenanthrene	471		6.7	3.3	3.3
108-95-2	Phenol	515		50	27	27
129-00-0	Pyrene	473		6.7	3.3	3.3
120-82-1	1,2,4-Trichlorobenzene	434		50	27	27
95-95-4	2,4,5-Trichlorophenol	519		150	27	25
88-06-2	2,4,6-Trichlorophenol	516		150	80	80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0063M-0001-SO MSD | Lab Sample ID: 240-17796-25 MSD

Matrix: Solid | Lab File ID: 21204010.D

Analysis Method: 8270C/DoD | Date Collected: 11/15/2012 17:15

Extract. Method: 3540C | Date Extracted: 11/27/2012 09:03

Sample wt/vol: 30.07(g) | Date Analyzed: 12/04/2012 12:30

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.: 67225 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	66		45-105
367-12-4	2-Fluorophenol (Surr)	73		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	70		35-100
4165-62-2	Phenol-d5 (Surr)	76		40-100
1718-51-0	Terphenyl-d14 (Surr)	76		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	76		35-125

Report Date: 04-Dec-2012 12:56:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204010.D
Lims ID: 240-17796-E-25-D MSD Client ID:
Inject. Date: 04-Dec-2012 12:30:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015502-010
Misc. Info.: 240-17796-e-25-d msd
Operator: 001710 Instrument ID: A4HP7
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 67225 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\8270_hp7.m
Last Update: 04-Dec-2012 12:56:04 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: XAWRK009

First Level Reviewer: gruberj Date: 04-Dec-2012 12:55:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.796	5.769	0.027	93	172566	4.00	
* 2 Naphthalene-d8	136	6.903	6.892	0.011	99	667308	4.00	
* 3 Acenaphthene-d10	164	8.390	8.390	0.0	91	399117	4.00	
* 4 Phenanthrene-d10	188	9.647	9.647	0.0	98	702051	4.00	
* 5 Chrysene-d12	240	12.118	12.118	0.0	92	716261	4.00	
* 6 Perylene-d12	264	14.119	14.118	0.001	96	656710	4.00	
$ 7 2-Fluorophenol	112	4.737	4.486	0.251	89	585679	11.0	
$ 8 Phenol-d5	99	5.464	5.422	0.042	96	776441	11.5	
$ 9 Nitrobenzene-d5	82	6.283	6.267	0.016	89	410320	6.99	
$ 10 2-Fluorobiphenyl (Surr)	172	7.807	7.807	0.0	100	852308	6.58	
$ 11 2,4,6-Tribromophenol	330	9.053	9.053	0.0	94	188462	11.4	
$ 12 Terphenyl-d14	244	10.979	10.979	0.0	98	1006281	7.59	
41 Phenol	94	5.481	5.432	0.049	97	559570	7.75	
44 Bis(2-chloroethyl)ether	93	5.566	5.523	0.043	93	386060	6.92	
46 2-Chlorophenol	128	5.620	5.577	0.043	93	419259	7.19	
47 1,3-Dichlorobenzene	146	5.743	5.721	0.022	95	368915	5.87	
48 1,4-Dichlorobenzene	146	5.812	5.785	0.027	94	390234	6.25	
49 Benzyl alcohol	108	5.919	5.887	0.032	93	256075	7.12	
50 1,2-Dichlorobenzene	146	5.946	5.924	0.022	88	376558	6.32	
51 2-Methylphenol	108	6.005	5.983	0.022	94	390439	7.42	
52 2,2'-oxybis[1-chloropropane]	45	6.031	6.010	0.021	91	569273	6.96	
191 3 & 4 Methylphenol	108	6.138	6.117	0.021	91	835273	15.1	
56 N-Nitrosodi-n-propylamine	70	6.144	6.122	0.022	87	294777	7.54	
60 Hexachloroethane	117	6.235	6.229	0.006	92	153551	6.05	
61 Nitrobenzene	77	6.299	6.283	0.016	88	440783	7.27	
63 Isophorone	82	6.497	6.486	0.011	97	831980	7.82	
65 2-Nitrophenol	139	6.572	6.561	0.011	88	208499	7.31	
64 2,4-Dimethylphenol	107	6.593	6.582	0.011	89	396691	7.07	
69 Benzoic acid	122		6.652					
68 Bis(2-chloroethoxy)methane	93	6.673	6.668	0.005	99	494035	7.31	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/ul	Flags
71 2,4-Dichlorophenol	162	6.775	6.764	0.011	93	340707	7.69	
72 1,2,4-Trichlorobenzene	180	6.850	6.844	0.006	75	344915	6.52	
73 Naphthalene	128	6.919	6.914	0.005	96	1228710	7.37	
74 4-Chloroaniline	127	6.962	6.951	0.011	78	152045	2.14	
77 Hexachlorobutadiene	225	7.016	7.015	0.001	92	192286	6.72	
84 4-Chloro-3-methylphenol	107	7.358	7.352	0.006	94	371360	7.80	
85 2-Methylnaphthalene	142	7.508	7.508	0.0	89	825662	7.74	
88 Hexachlorocyclopentadiene	237	7.636	7.636	0.0	88	15604	0.4825	
90 2,4,6-Trichlorophenol	196	7.738	7.738	0.0	92	260774	7.75	
91 2,4,5-Trichlorophenol	196	7.770	7.770	0.0	96	283023	7.81	
98 2-Chloronaphthalene	162	7.925	7.919	0.006	96	782050	7.10	
100 2-Nitroaniline	65	8.000	8.000	0.0	84	252343	7.80	
103 Dimethyl phthalate	163	8.139	8.139	0.0	99	867153	7.40	
105 2,6-Dinitrotoluene	165	8.198	8.198	0.0	93	202894	7.64	
107 Acenaphthylene	152	8.273	8.272	0.0	97	1311374	7.20	
108 3-Nitroaniline	138	8.342	8.342	0.0	95	132941	4.53	
110 Acenaphthene	153	8.417	8.417	0.0	95	771535	7.05	
109 2,4-Dinitrophenol	184	8.433	8.427	0.006	36	6928	2.61	
111 4-Nitrophenol	109	8.465	8.465	0.0	94	113120	6.69	
112 2,4-Dinitrotoluene	165	8.535	8.534	0.001	88	256965	7.21	
114 Dibenzofuran	168	8.561	8.561	0.0	88	1169127	7.19	
119 Diethyl phthalate	149	8.727	8.727	0.0	96	904512	7.38	
121 4-Chlorophenyl phenyl ether	204	8.839	8.839	0.0	92	463204	7.50	
124 Fluorene	166	8.850	8.850	0.0	84	941601	7.22	
123 4-Nitroaniline	138	8.856	8.855	0.001	68	168331	5.35	
126 4,6-Dinitro-2-methylphenol	198	8.877	8.877	0.0	78	42266	2.40	
130 N-Nitrosodiphenylamine	169	8.936	8.936	0.0	0	703263	7.26	
137 4-Bromophenyl phenyl ether	248	9.257	9.257	0.0	58	265242	7.41	
139 Hexachlorobenzene	284	9.315	9.315	0.0	95	271857	7.37	
141 Pentachlorophenol	266	9.476	9.476	0.0	86	106049	4.61	
146 Phenanthrene	178	9.663	9.663	0.0	97	1358770	7.08	
147 Anthracene	178	9.711	9.711	0.0	97	1351632	7.09	
149 Carbazole	167	9.834	9.834	0.0	82	1265622	6.84	
151 Di-n-butyl phthalate	149	10.096	10.096	0.0	100	1586325	7.63	
157 Fluoranthene	202	10.674	10.669	0.005	97	1609972	7.60	
160 Pyrene	202	10.867	10.866	0.001	96	1625510	7.11	
166 Butyl benzyl phthalate	149	11.439	11.439	0.0	96	698298	7.51	
173 3,3'-Dichlorobenzidine	252	12.059	12.059	0.0	67	220380	2.93	
171 Bis(2-ethylhexyl) phthalate	149	12.081	12.081	0.0	96	989315	7.52	
175 Benzo[a]anthracene	228	12.102	12.107	-0.005	98	1492875	7.47	
176 Chrysene	228	12.150	12.150	0.0	95	1445293	7.59	
178 Di-n-octyl phthalate	149	12.947	12.952	-0.005	99	1641153	7.07	
180 Benzo[b]fluoranthene	252	13.552	13.551	0.001	96	1472677	7.03	
181 Benzo[k]fluoranthene	252	13.589	13.594	-0.005	99	1524373	6.70	
182 Benzo[a]pyrene	252	14.033	14.038	-0.005	77	1313499	6.18	
186 Indeno[1,2,3-cd]pyrene	276	15.723	15.723	0.0	98	1604226	6.82	
187 Dibenz(a,h)anthracene	278	15.750	15.750	0.0	77	1342116	6.70	
188 Benzo[g,h,i]perylene	276	16.130	16.135	-0.005	95	1385566	7.37	

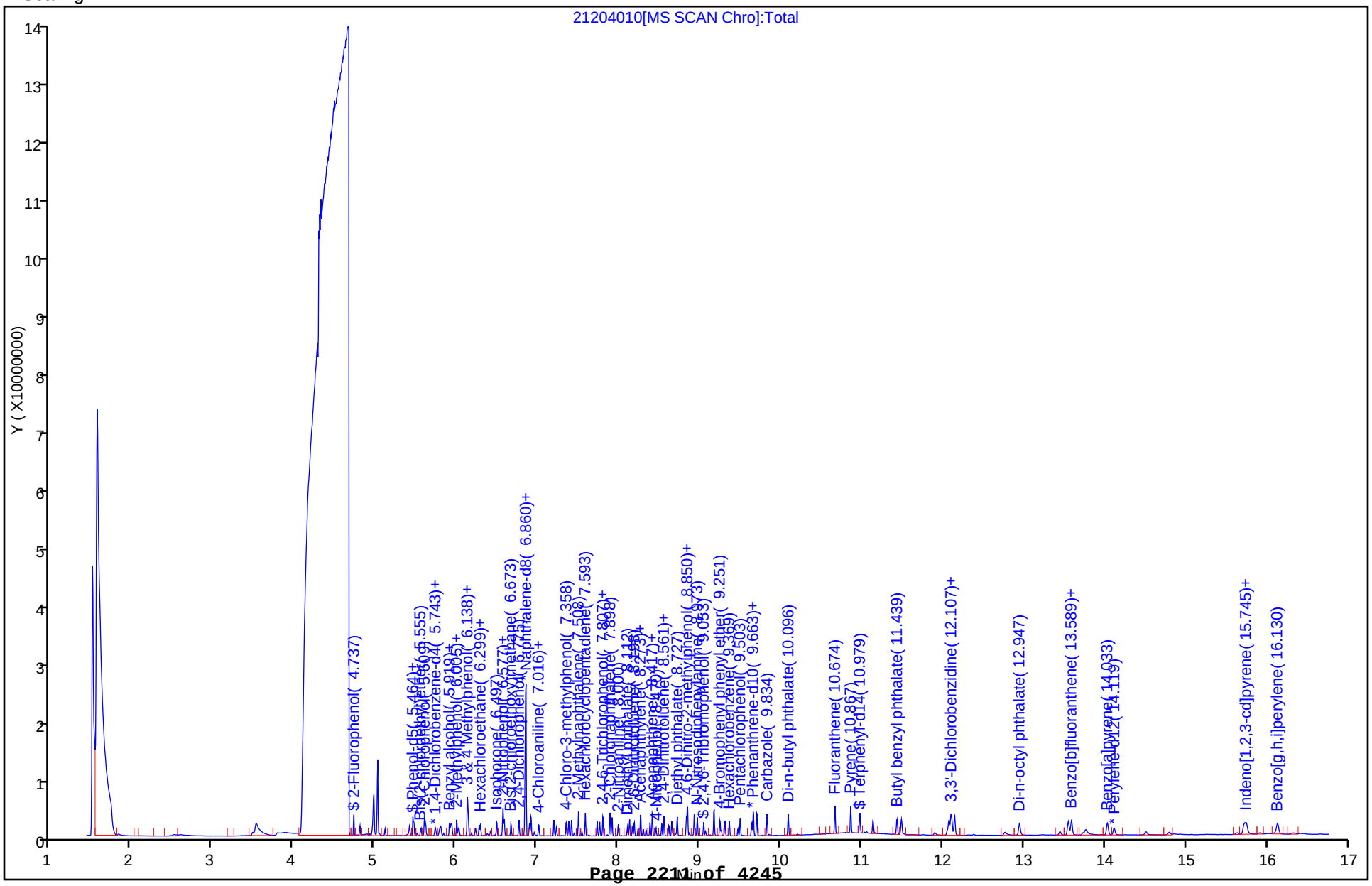
Report Date: 04-Dec-2012 12:56:13 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A4HP7\20121204-15502.b\21204010.D

Injection Date:	04-Dec-2012 12:30:30	Limit Group:	MSS 8270 DOD ICAL
Client ID:		Instrument ID:	A4HP7
Lims Batch ID:	67225	Lims Sample ID:	10
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.: 240-17796-1

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.: 240-17796-1

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.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Start Date: 11/29/2012 09:04

Analysis Batch Number: 66717 End Date: 11/29/2012 18:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-66717/1		11/29/2012 09:04	1	21129001.D	RXI-5SILMS 0.45(mm)
CCV 240-66717/2		11/29/2012 09:27	1	21129002.D	RXI-5SILMS 0.45(mm)
MRL 240-66717/3		11/29/2012 09:50	1	21129003.D	RXI-5SILMS 0.45(mm)
MB 240-65893/5-A		11/29/2012 10:13	1	21129004.D	RXI-5SILMS 0.45(mm)
LCS 240-65893/6-A		11/29/2012 10:37	1	21129005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 11:00	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 11:23	1		RXI-5SILMS 0.45(mm)
240-17796-20	076-0067-0001-ER	11/29/2012 11:46	1	21129008.D	RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 12:10	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 12:33	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 12:56	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 13:20	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 13:43	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 14:06	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 14:29	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 14:53	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 15:16	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 15:39	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 16:03	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 16:26	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 16:49	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 17:13	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 17:36	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 17:59	1		RXI-5SILMS 0.45(mm)
ZZZZZ		11/29/2012 18:22	1		RXI-5SILMS 0.45(mm)
MRL 240-66717/26		11/29/2012 18:46	1	21129026.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/04/2012 08:58

Analysis Batch Number: 67225 End Date: 12/04/2012 20:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-67225/1		12/04/2012 08:58	1	21204001.D	RXI-5SILMS 0.45(mm)
CCV 240-67225/2		12/04/2012 09:21	1	21204002.D	RXI-5SILMS 0.45(mm)
MRL 240-67225/3		12/04/2012 09:45	1	21204003.D	RXI-5SILMS 0.45(mm)
MB 240-66393/23-A		12/04/2012 10:08	1	21204004.D	RXI-5SILMS 0.45(mm)
LCS 240-66393/24-A		12/04/2012 10:32	1	21204005.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/04/2012 10:56	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/04/2012 11:19	1		RXI-5SILMS 0.45(mm)
240-17796-25	076SB-0063M-0001-SO	12/04/2012 11:43	1	21204008.D	RXI-5SILMS 0.45(mm)
240-17796-25 MS	076SB-0063M-0001-SO MS	12/04/2012 12:07	1	21204009.D	RXI-5SILMS 0.45(mm)
240-17796-25 MSD	076SB-0063M-0001-SO MSD	12/04/2012 12:30	1	21204010.D	RXI-5SILMS 0.45(mm)
240-17796-10	076SS-0007M-0001-SO	12/04/2012 12:54	5	21204011.D	RXI-5SILMS 0.45(mm)
240-17796-11	076SB-0054M-0001-SO	12/04/2012 13:18	5	21204012.D	RXI-5SILMS 0.45(mm)
240-17796-12	076SB-0055M-0001-SO	12/04/2012 13:42	5	21204013.D	RXI-5SILMS 0.45(mm)
240-17796-22	076SB-0060M-0001-SO	12/04/2012 14:05	5	21204014.D	RXI-5SILMS 0.45(mm)
240-17796-2	076SS-0022M-0001-SO	12/04/2012 14:29	1	21204015.D	RXI-5SILMS 0.45(mm)
240-17796-8	076SB-0029M-0001-SO	12/04/2012 14:53	1	21204016.D	RXI-5SILMS 0.45(mm)
240-17796-13	076SB-0056M-0001-SO	12/04/2012 15:16	1	21204017.D	RXI-5SILMS 0.45(mm)
240-17796-16	076SB-0059M-0001-SO	12/04/2012 15:40	1	21204018.D	RXI-5SILMS 0.45(mm)
240-17796-14	076SB-0057M-0001-SO	12/04/2012 16:04	1	21204019.D	RXI-5SILMS 0.45(mm)
240-17796-15	076SB-0058M-0001-SO	12/04/2012 16:28	1	21204020.D	RXI-5SILMS 0.45(mm)
240-17796-1	076SB-0023M-0001-SO	12/04/2012 16:51	1	21204021.D	RXI-5SILMS 0.45(mm)
240-17796-24	076SB-0062M-0001-SO	12/04/2012 17:15	1	21204022.D	RXI-5SILMS 0.45(mm)
240-17796-5	076SB-0026M-0001-SO	12/04/2012 17:39	1	21204023.D	RXI-5SILMS 0.45(mm)
240-17796-6	076SB-0027M-0001-SO	12/04/2012 18:02	1	21204024.D	RXI-5SILMS 0.45(mm)
MRL 240-67225/25		12/04/2012 18:26	1	21204025.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		12/04/2012 18:49	1	21204026.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		12/04/2012 19:13	1	21204027.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		12/04/2012 19:36	1	21204028.D	RXI-5SILMS 0.45(mm)
mdll4 LODV		12/04/2012 20:00	1	21204029.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/05/2012 09:10

Analysis Batch Number: 67390 End Date: 12/05/2012 20:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-67390/1		12/05/2012 09:10	1	21205001.D	RXI-5SILMS 0.45(mm)
CCV 240-67390/2		12/05/2012 09:33	1	21205002.D	RXI-5SILMS 0.45(mm)
MRL 240-67390/3		12/05/2012 09:56	1	21205003.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 10:19	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 10:43	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 11:06	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 11:29	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 11:52	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 12:16	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 12:39	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 13:02	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 13:25	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 13:48	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 14:12	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 14:35	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 14:58	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 15:21	20		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 15:44	20		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 16:08	5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 16:31	5		RXI-5SILMS 0.45(mm)
240-17796-9	076SB-0053M-0001-SO	12/05/2012 16:54	2.5	21205021.D	RXI-5SILMS 0.45(mm)
240-17796-7	076SB-0028M-0001-SO	12/05/2012 17:17	2.5	21205022.D	RXI-5SILMS 0.45(mm)
240-17796-23	076SB-0061M-0001-SO	12/05/2012 17:41	2.5	21205023.D	RXI-5SILMS 0.45(mm)
240-17796-3	076SB-0024M-0001-SO	12/05/2012 18:04	2.5	21205024.D	RXI-5SILMS 0.45(mm)
240-17796-4	076SB-0025M-0001-SO	12/05/2012 18:27	2.5	21205025.D	RXI-5SILMS 0.45(mm)
MRL 240-67390/26		12/05/2012 18:50	1	21205026.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		12/05/2012 19:14	1	21205027.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		12/05/2012 19:37	1	21205028.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		12/05/2012 20:00	1	21205029.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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)
ZZZZZ		12/06/2012 10:55	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 11:18	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 11:41	10		RXI-5SILMS 0.45(mm)
240-17796-26	076SB-0064M-0001-SO	12/06/2012 12:04	10	21206009.D	RXI-5SILMS 0.45(mm)
240-17796-28	076SB-0066M-0001-SO	12/06/2012 12:27	10	21206010.D	RXI-5SILMS 0.45(mm)
240-17796-32	076SB-0047M-0001-SO	12/06/2012 12:51	10	21206011.D	RXI-5SILMS 0.45(mm)
240-17796-34	076SB-0049M-0001-SO	12/06/2012 13:14	10	21206012.D	RXI-5SILMS 0.45(mm)
240-17796-30	076SB-0045M-0001-SO	12/06/2012 13:37	10	21206013.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 14:00	10		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 14:23	10		RXI-5SILMS 0.45(mm)
240-17796-27	076SB-0065M-0001-SO	12/06/2012 14:47	2.5	21206016.D	RXI-5SILMS 0.45(mm)
240-17796-29	076SB-0044M-0001-SO	12/06/2012 15:10	2.5	21206017.D	RXI-5SILMS 0.45(mm)
240-17796-31	076SB-0046M-0001-SO	12/06/2012 15:33	2.5	21206018.D	RXI-5SILMS 0.45(mm)
240-17796-35	076SB-0050M-0001-SO	12/06/2012 15:56	2.5	21206019.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 16:43	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 17:06	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 17:30	2.5		RXI-5SILMS 0.45(mm)
ZZZZZ		12/06/2012 17:53	2.5		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 ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/07/2012 10:55

Analysis Batch Number: 67761 End Date: 12/07/2012 13:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-67761/1		12/07/2012 10:55	1	21207001.D	RXI-5SILMS 0.45(mm)
CCV 240-67761/2		12/07/2012 11:18	1	21207002.D	RXI-5SILMS 0.45(mm)
MRL 240-67761/3		12/07/2012 11:42	1	21207003.D	RXI-5SILMS 0.45(mm)
240-17796-36	076SB-0051M-0001-SO	12/07/2012 12:51	1	21207006.D	RXI-5SILMS 0.45(mm)
MRL 240-67761/7		12/07/2012 13:15	1	21207007.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP7 Start Date: 12/11/2012 10:24

Analysis Batch Number: 68148 End Date: 12/11/2012 15:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-68148/1		12/11/2012 10:24	1	21211001.D	RXI-5SILMS 0.45(mm)
CCV 240-68148/2		12/11/2012 10:48	1	21211002.D	RXI-5SILMS 0.45(mm)
MRL 240-68148/4		12/11/2012 11:34	1	21211004.D	RXI-5SILMS 0.45(mm)
MB 240-67600/22-A		12/11/2012 12:44	1	21211007.D	RXI-5SILMS 0.45(mm)
LCS 240-67600/23-A		12/11/2012 13:07	1	21211008.D	RXI-5SILMS 0.45(mm)
240-17796-33 RE	076SB-0048M-0001-SO RE	12/11/2012 15:27	1	21211014.D	RXI-5SILMS 0.45(mm)
MRL 240-68148/15		12/11/2012 15:50	1	21211015.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP9 Start Date: 12/03/2012 11:11

Analysis Batch Number: 67070 End Date: 12/03/2012 22:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-67070/1		12/03/2012 11:11	1	21203001.D	RXI-5SILMS 0.45(mm)
STD5 240-67070/2 IC		12/03/2012 11:32	1	21203002.D	RXI-5SILMS 0.45(mm)
STD4 240-67070/3 IC		12/03/2012 11:57	1	21203003.D	RXI-5SILMS 0.45(mm)
STD3 240-67070/4 IC		12/03/2012 12:23	1	21203004.D	RXI-5SILMS 0.45(mm)
STD2 240-67070/5 IC		12/03/2012 12:48	1	21203005.D	RXI-5SILMS 0.45(mm)
STD1 240-67070/6 IC		12/03/2012 13:13	1	21203006.D	RXI-5SILMS 0.45(mm)
STD9 240-67070/7 IC		12/03/2012 13:39	1	21203007.D	RXI-5SILMS 0.45(mm)
STD8 240-67070/8 IC		12/03/2012 14:04	1	21203008.D	RXI-5SILMS 0.45(mm)
STD7 240-67070/9 IC		12/03/2012 14:36	1	21203009.D	RXI-5SILMS 0.45(mm)
STD6 240-67070/10 ICIS		12/03/2012 15:01	1	21203010.D	RXI-5SILMS 0.45(mm)
ICV 240-67070/12		12/03/2012 15:52	1	21203012.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 16:18	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 16:43	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 17:08	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 17:34	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 17:59	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 18:24	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 18:50	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 19:15	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 19:40	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 20:06	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 20:31	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/03/2012 20:56	1		RXI-5SILMS 0.45(mm)
mdll1 LODV		12/03/2012 21:21	1		RXI-5SILMS 0.45(mm)
mdll2 LODV		12/03/2012 21:47	1		RXI-5SILMS 0.45(mm)
mdll3 LODV		12/03/2012 22:12	1		RXI-5SILMS 0.45(mm)
mdll4 LODV		12/03/2012 22:37	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A4HP9 Start Date: 12/05/2012 07:56

Analysis Batch Number: 67368 End Date: 12/05/2012 14:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-67368/1		12/05/2012 07:56	1	21205001.D	RXI-5SILMS 0.45(mm)
CCV 240-67368/2		12/05/2012 08:24	1	21205002.D	RXI-5SILMS 0.45(mm)
MRL 240-67368/3		12/05/2012 08:51	1	21205003.D	RXI-5SILMS 0.45(mm)
MB 240-66734/4-A		12/05/2012 10:12	1	21205006.D	RXI-5SILMS 0.45(mm)
LCS 240-66734/5-A		12/05/2012 10:37	1	21205007.D	RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 11:01	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 11:26	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 11:51	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 12:16	1		RXI-5SILMS 0.45(mm)
ZZZZZ		12/05/2012 12:41	1		RXI-5SILMS 0.45(mm)
240-17796-33	076SB-0048M-0001-SO	12/05/2012 13:05	1	21205013.D	RXI-5SILMS 0.45(mm)
MRL 240-67368/15		12/05/2012 13:34	1	21205015.D	RXI-5SILMS 0.45(mm)
mdll1 LODV		12/05/2012 14:07	1	21205016.D	RXI-5SILMS 0.45(mm)
mdll2 LODV		12/05/2012 14:31	1	21205017.D	RXI-5SILMS 0.45(mm)
mdll3 LODV		12/05/2012 14:56	1	21205018.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Batch Number: 65893 Batch Start Date: 11/21/12 12:15 Batch Analyst: Matthews, Brandon

Batch Method: 3520C Batch End Date: 11/22/12 06:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	EXBNALCS1 00030	EXBNASURRW 00020
240-17796-J-20	076-0067-0001-ER	3520C, 8270C/DoD	T	1030 mL	2 mL	7	2		1 mL
MB 240-65893/5		3520C, 8270C/DoD		1000 mL	2 mL	7	2		1 mL
LCS 240-65893/6		3520C, 8270C/DoD		1000 mL	2 mL	7	2	1 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXRESTEKSPKW 00016					
240-17796-J-20	076-0067-0001-ER	3520C, 8270C/DoD	T						
MB 240-65893/5		3520C, 8270C/DoD							
LCS 240-65893/6		3520C, 8270C/DoD		1 mL					

Batch Notes	
Acid used for pH adjust Lot #	711898
Na2SO4 Lot Number	677233
Prep Solvent Lot #	723535

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Batch Number: 66393 Batch Start Date: 11/27/12 13:15 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 11/28/12 05:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00030	EXBNASURRW 00020	EXRESTEKSPKW 00016	
240-17796-E-1-A	076SB-0023M-0001-SO	3540C, 8270C/DoD	T	29.76 g	2 mL		1 mL		
240-17796-B-2-A	076SS-0022M-0001-SO	3540C, 8270C/DoD	T	30.19 g	2 mL		1 mL		
240-17796-E-3-A	076SB-0024M-0001-SO	3540C, 8270C/DoD	T	30.22 g	2 mL		1 mL		
240-17796-E-4-A	076SB-0025M-0001-SO	3540C, 8270C/DoD	T	29.93 g	2 mL		1 mL		
240-17796-E-5-A	076SB-0026M-0001-SO	3540C, 8270C/DoD	T	29.57 g	2 mL		1 mL		
240-17796-E-6-A	076SB-0027M-0001-SO	3540C, 8270C/DoD	T	29.88 g	2 mL		1 mL		
240-17796-E-7-A	076SB-0028M-0001-SO	3540C, 8270C/DoD	T	29.52 g	2 mL		1 mL		
240-17796-E-8-A	076SB-0029M-0001-SO	3540C, 8270C/DoD	T	29.96 g	2 mL		1 mL		
240-17796-B-9-A	076SB-0053M-0001-SO	3540C, 8270C/DoD	T	29.92 g	2 mL		1 mL		
240-17796-B-10-A	076SS-0007M-0001-SO	3540C, 8270C/DoD	T	29.71 g	2 mL		1 mL		
240-17796-B-11-A	076SB-0054M-0001-SO	3540C, 8270C/DoD	T	29.61 g	2 mL		1 mL		
240-17796-B-12-A	076SB-0055M-0001-SO	3540C, 8270C/DoD	T	29.93 g	2 mL		1 mL		
240-17796-B-13-A	076SB-0056M-0001-SO	3540C, 8270C/DoD	T	29.64 g	2 mL		1 mL		
240-17796-B-14-A	076SB-0057M-0001-SO	3540C, 8270C/DoD	T	29.67 g	2 mL		1 mL		
240-17796-B-15-A	076SB-0058M-0001-SO	3540C, 8270C/DoD	T	29.74 g	2 mL		1 mL		
240-17796-B-16-A	076SB-0059M-0001-SO	3540C, 8270C/DoD	T	29.52 g	2 mL		1 mL		
240-17796-E-22-A	076SB-0060M-0001-SO	3540C, 8270C/DoD	T	29.54 g	2 mL		1 mL		
240-17796-E-23-A	076SB-0061M-0001-SO	3540C, 8270C/DoD	T	29.98 g	2 mL		1 mL		
240-17796-E-24-A	076SB-0062M-0001-SO	3540C, 8270C/DoD	T	30.31 g	2 mL		1 mL		
240-17796-E-25-A	076SB-0063M-0001-SO	3540C, 8270C/DoD	T	30.22 g	2 mL		1 mL		
240-17796-E-25-A MS	076SB-0063M-0001-SO	3540C, 8270C/DoD	T	29.62 g	2 mL	1 mL	1 mL	1 mL	
240-17796-E-25-A MSD	076SB-0063M-0001-SO	3540C, 8270C/DoD	T	30.07 g	2 mL	1 mL	1 mL	1 mL	

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Batch Number: 66393 Batch Start Date: 11/27/12 13:15 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 11/28/12 05:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00030	EXBNASURRW 00020	EXRESTEKSPKW 00016	
MB 240-66393/23		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-66393/24		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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

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	
240-17796-E-26-A	076SB-0064M-0001-SO	3540C, 8270C/DoD	T	30.44 g	2 mL		1 mL		
240-17796-E-27-A	076SB-0065M-0001-SO	3540C, 8270C/DoD	T	29.99 g	2 mL		1 mL		
240-17796-B-28-A	076SB-0066M-0001-SO	3540C, 8270C/DoD	T	30.00 g	2 mL		1 mL		
240-17796-B-29-A	076SB-0044M-0001-SO	3540C, 8270C/DoD	T	30.08 g	2 mL		1 mL		
240-17796-B-30-A	076SB-0045M-0001-SO	3540C, 8270C/DoD	T	29.60 g	2 mL		1 mL		
240-17796-B-31-A	076SB-0046M-0001-SO	3540C, 8270C/DoD	T	29.87 g	2 mL		1 mL		
240-17796-B-32-A	076SB-0047M-0001-SO	3540C, 8270C/DoD	T	29.80 g	2 mL		1 mL		
240-17796-B-34-A	076SB-0049M-0001-SO	3540C, 8270C/DoD	T	30.07 g	2 mL		1 mL		
240-17796-B-35-A	076SB-0050M-0001-SO	3540C, 8270C/DoD	T	30.40 g	2 mL		1 mL		
240-17796-B-36	076SB-0051M-0001-SO	3540C, 8270C/DoD	T	30.50 g	2 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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Batch Number: 66734 Batch Start Date: 11/29/12 14:10 Batch Analyst: Cerne, Amanda

Batch Method: 3540C Batch End Date: 11/30/12 06:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00030	EXBNASURRW 00020	EXRESTEKSPKW 00016	
MB 240-66734/4		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-66734/5		3540C, 8270C/DoD		30.00 g	2 mL	1 mL	1 mL	1 mL	
240-17796-B-33-A	076SB-0048M-0001-SO	3540C, 8270C/DoD	T	30.15 g	2 mL		1 mL		

Batch Notes	
Balance ID	b036
Person's name who did the concentration	lah/lm
Na2SO4 Lot Number	677237
Prep Solvent Lot #	719012

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Batch Number: 67600 Batch Start Date: 12/06/12 14:30 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 12/07/12 06:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBNALCS1 00030	EXBNASURRW 00021	EXRESTEKSPKW 00017	
240-17796-B-33-A	076SB-0048M-0001-SO	3540C, 8270C/DoD	T	29.96 g	2 mL		1 mL		
MB 240-67600/22		3540C, 8270C/DoD		30.00 g	2 mL		1 mL		
LCS 240-67600/23		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 #	763280

Basis	Basis Description
T	Total/NA

Method 8015B - GRO

Gasoline Range Organics (GC) by Method 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
076-0067-0001-ER	240-17796-20	74
	MB 240-66387/45	79
	LCS 240-66387/46	87
076-0067-0001-ER MS	240-17796-20 MS	86
076-0067-0001-ER MSD	240-17796-20 MSD	84

	QC LIMITS
TFT = Trifluorotoluene (Surr)	10-150

Column to be used to flag recovery values

FORM II 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
	MRL 240-66387/30	77
	MRL 240-66387/61	74

	QC LIMITS
TFT = Trifluorotoluene (Surr)	70-130

Column to be used to flag recovery values

FORM II 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YF112746.D

Lab ID: LCS 240-66387/46 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
C6-C12	800	885	111	72-140	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YF112730.D

Lab ID: MRL 240-66387/30 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	114	114	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YF112761.D

Lab ID: MRL 240-66387/61 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MRL CONCENTRATION (ug/L)	MRL % REC	QC LIMITS REC	#
C6-C12	100	102	102	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YF112749.D

Lab ID: 240-17796-20 MS Client ID: 076-0067-0001-ER MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
C6-C12	800	33 J	908	109	63-143	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: YF112750.D

Lab ID: 240-17796-20 MSD Client ID: 076-0067-0001-ER MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C6-C12	800	882	106	3	20	63-143	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: MB 240-66387/45

Matrix: Water Date Extracted: 11/28/2012 14:00

Lab File ID:(1) YF112745.D Lab File ID:(2)

Date Analyzed:(1) 11/28/2012 14:00 Date Analyzed:(2)

Instrument ID:(1) YPID Instrument ID:(2)

GC Column:(1) RTX-VRX ID: 0.45(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-66387/46	11/28/2012 14:38	
076-0067-0001-ER	240-17796-20	11/28/2012 15:56	
076-0067-0001-ER MS	240-17796-20 MS	11/28/2012 16:35	
076-0067-0001-ER MSD	240-17796-20 MSD	11/28/2012 17:13	

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: CCV 240-66387/5 Date Analyzed: 11/27/2012 12:06

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm)

Lab File ID (Standard): YF112705.D Heated Purge: (Y/N) N

Calibration ID: 10675

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TFT		
				RT #		
CONTINUING CALIBRATION SURROGATE				9.75		
UPPER LIMIT				9.85		
LOWER LIMIT				9.65		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66387/5 CCVRT		11/27/2012 12:06	YF112705.D	9.75		
CCV 240-66387/40		11/28/2012 10:36	YF112740.D	9.75		
MB 240-66387/45		11/28/2012 14:00	YF112745.D	9.75		
LCS 240-66387/46		11/28/2012 14:38	YF112746.D	9.75		
240-17796-20	076-0067-0001-ER	11/28/2012 15:56	YF112748.D	9.75		
240-17796-20 MS	076-0067-0001-ER MS	11/28/2012 16:35	YF112749.D	9.75		
240-17796-20 MSD	076-0067-0001-ER MSD	11/28/2012 17:13	YF112750.D	9.75		
CCV 240-66387/51		11/28/2012 17:53	YF112751.D	9.75		

TFT = Trifluorotoluene (Surr)

TFT RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER | Lab Sample ID: 240-17796-20

Matrix: Water | Lab File ID: YF112748.D

Analysis Method: 8015B | Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/28/2012 15:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 66387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	33	J	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	74		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112748.D
Lims ID: 240-17796-B-20 Client ID: 076-0067-0001-ER
Inject. Date: 28-Nov-2012 15:56:47 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0015294-048
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 66387 Lims Sample ID: 48
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m
Last Update: 29-Nov-2012 08:33:36 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.100	5.131	-0.031	7241	0	
12 Methyl tert-butyl ether	2	5.059	5.208	-0.149	11597	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.746	9.753	-0.007	1136196	7.39	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.821	4.871 -	18.771	7433824	54.7	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.408	4.971 -	21.846	11139611	32.5	
A 11 GRO	2	13.631	4.995 -	22.267	14621832	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.870	21.740	0.130	6075	0	
9 Naphthalene	2	22.015	22.060	-0.045	5541	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

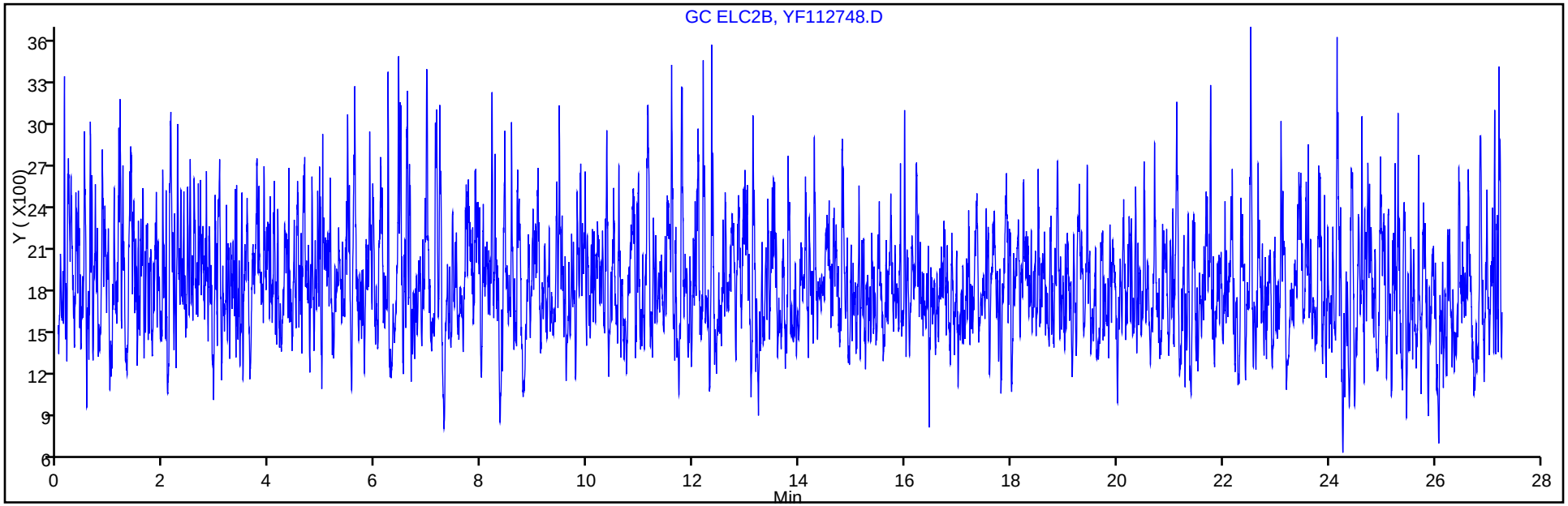
Report Date: 29-Nov-2012 08:33:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

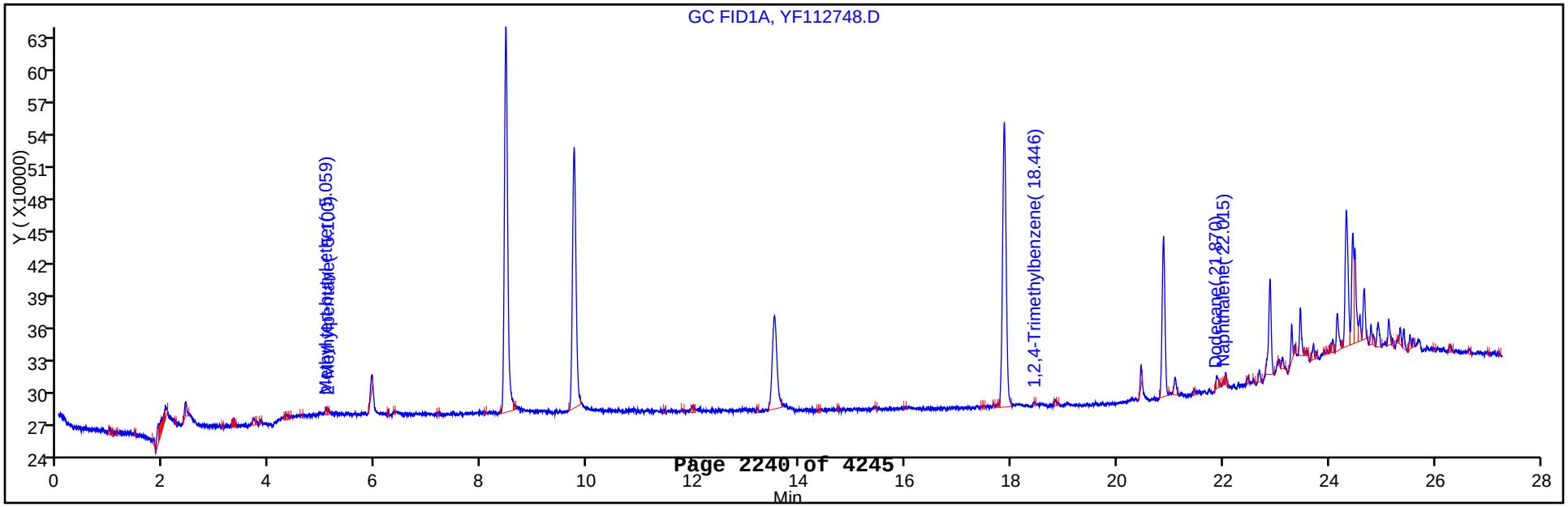
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112748.D

Injection Date:	28-Nov-2012 15:56:47	Limit Group:	GCV 8015B GRO ICAL
Client ID:	076-0067-0001-ER	Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	48
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:

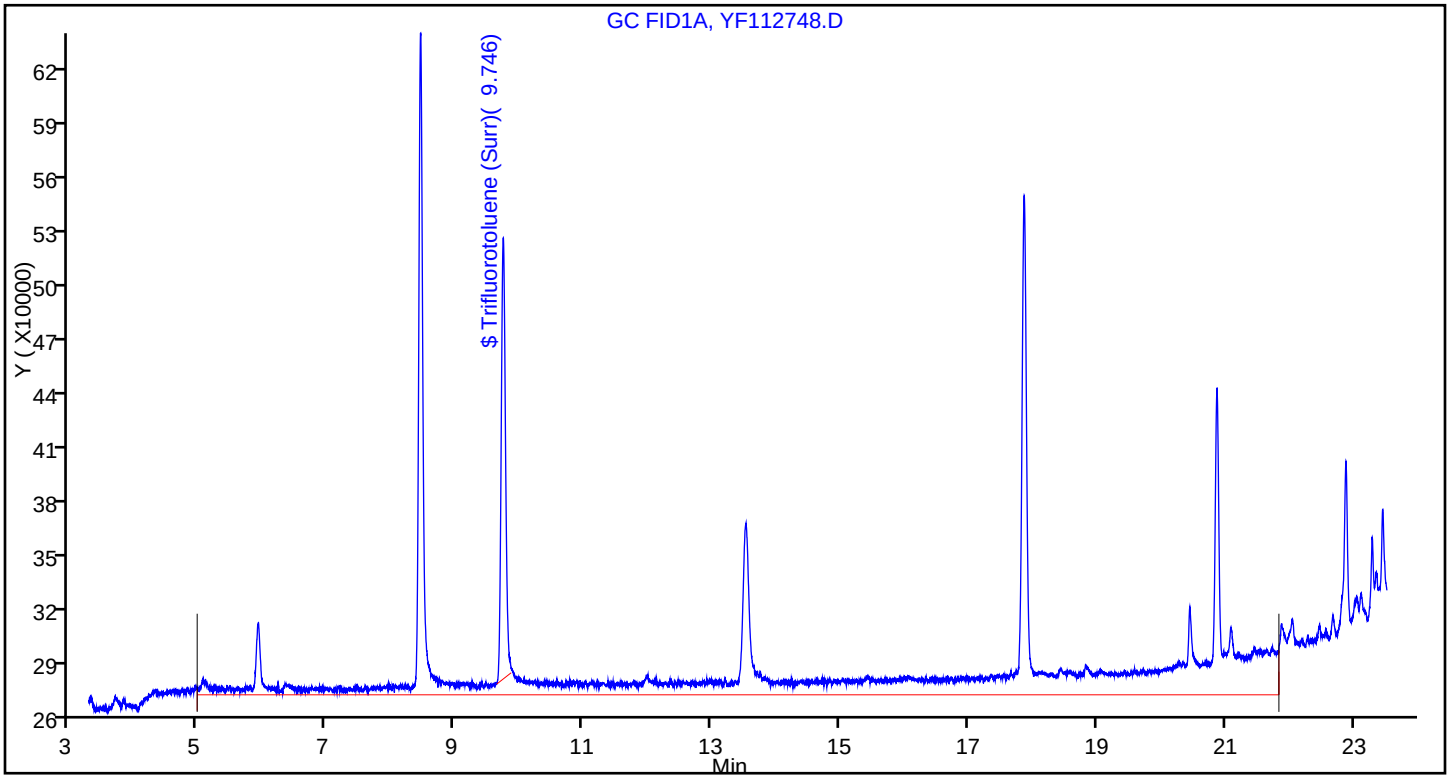


Report Date: 29-Nov-2012 08:33:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File:	\\Ncchrom\ChromData\YPID\20121127-15294.b\YF112748.D		
Injection Date:	28-Nov-2012 15:56:47	Limit Group:	GCV 8015B GRO ICAL
Client ID:	076-0067-0001-ER	Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	48
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

A 1 C6-C12, Detector: 2, GC FID1A



FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
C6-C10	11.760	11.760	11.760	11.760	11.760	11.760					4.755 - 18.765	11.760
C6-C12	13.426	13.426	13.426	13.426	13.426	13.426					4.855 - 21.997	13.426
Trifluorotoluene (Surr)	9.711	9.710	9.713	9.708	9.711	9.712					9.463 - 9.963	9.711

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
C6-C10	183542 118119	135498 128955	126511	123496	Ave		136019.970				18.0		20.0			
C6-C12	255673 133903	170408 145976	149081	141314	Lin	6701438.48	136365.157							0.9940		0.9900
Trifluorotoluene (Surr)	136571 165376	137906 183597	145025	153818	Ave		153715.733				12.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 54511

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 18:36 Calibration End Date: 08/15/2012 22:00 Calibration ID: 10675

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-54511/6	YF081506.D
Level 2	STD2 240-54511/7	YF081507.D
Level 3	STD3 240-54511/8	YF081508.D
Level 4	STD4 240-54511/9	YF081509.D
Level 5	STD5 240-54511/10	YF081510.D
Level 6	STD6 240-54511/11	YF081511.D

ANALYTE	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
C6-C10	Ave	18354154 206328514	27099537	50604228	98796615	141742722	100 1600	200	400	800	1200
C6-C12	Lin	25567346 233562173	34081672	59632568	113051081	160683965	100 1600	200	400	800	1200
Trifluorotoluene (Surr)	Ave	1365710 1835973	1379064	1450251	1538182	1653764	10.0 10.0	10.0	10.0	10.0	10.0

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081506.D		
Lims ID:	STD1 GAS	Client ID:	
Inject. Date:	15-Aug-2012 18:36:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	240-0012413-006		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	6
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:24	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

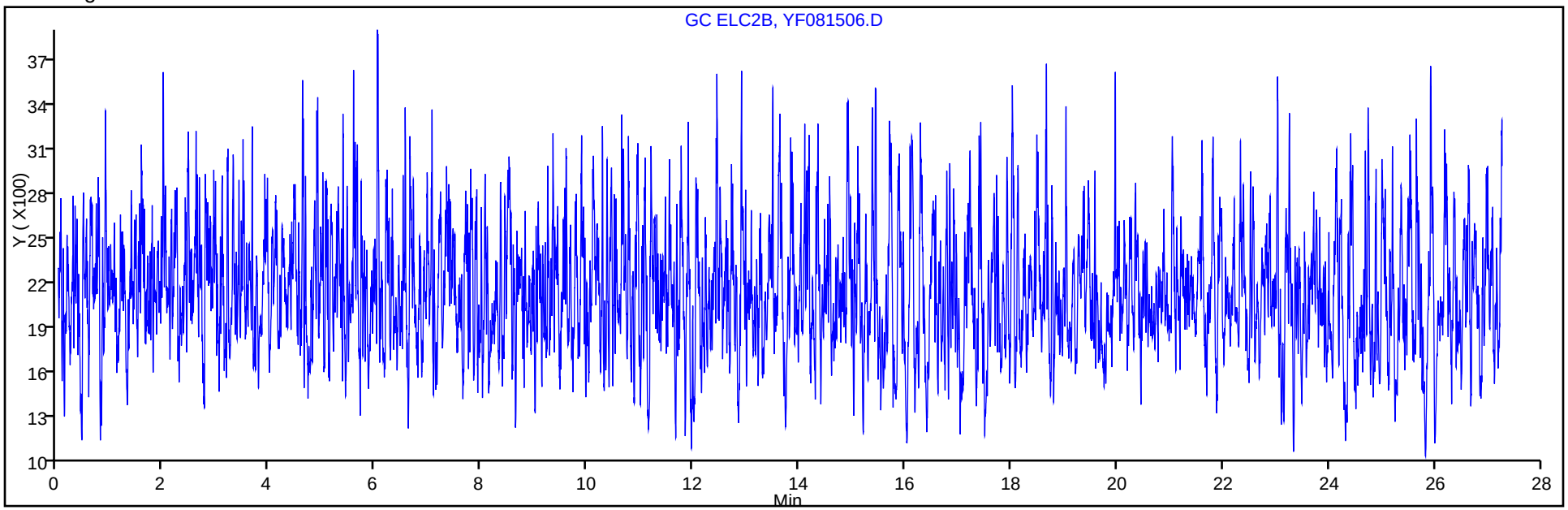
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.711	9.713	-0.002	1365710	8.88	
A 5 C6-C10	2	11.760	4.755 -	18.765	18354154	134.9	
A 1 C6-C12	2	13.426	4.855 -	21.997	25567346	138.3	

Report Date: 16-Aug-2012 12:49:25 Chrom Revision: 2.0 17-Jul-2012 17:32:54

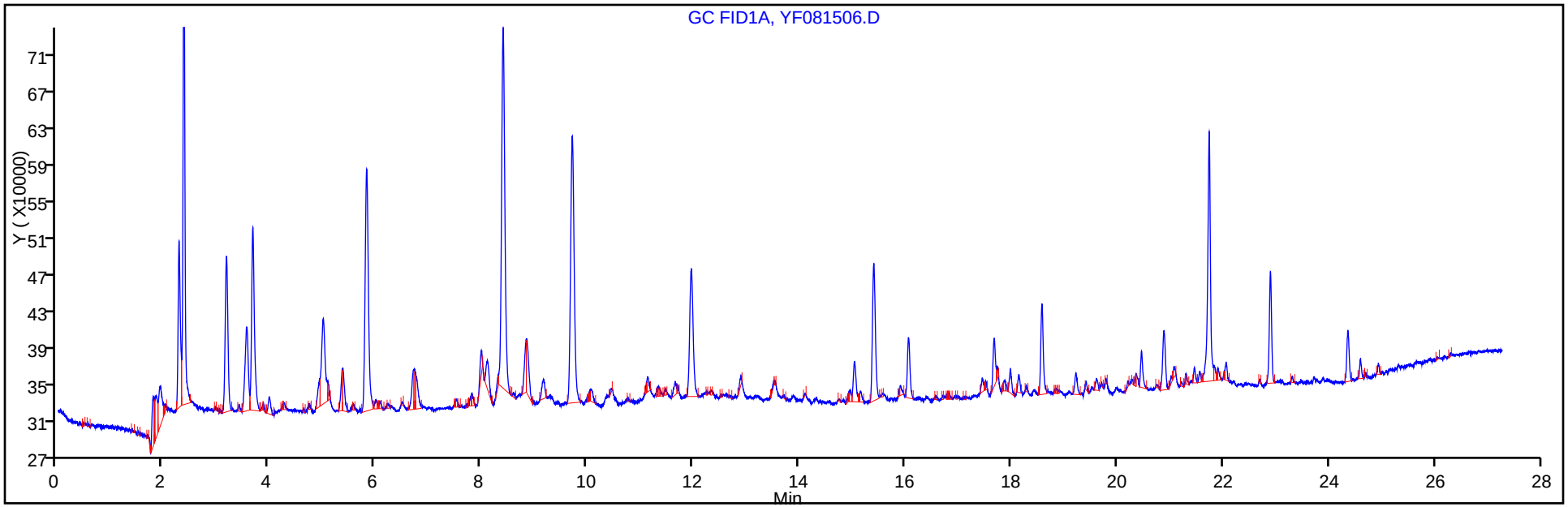
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081506.D

Injection Date:	15-Aug-2012 18:36:54	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	6
Operator ID:	1765		

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081507.D		
Lims ID:	STD2 GAS	Client ID:	
Inject. Date:	15-Aug-2012 19:17:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0012413-007		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	7
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:28	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

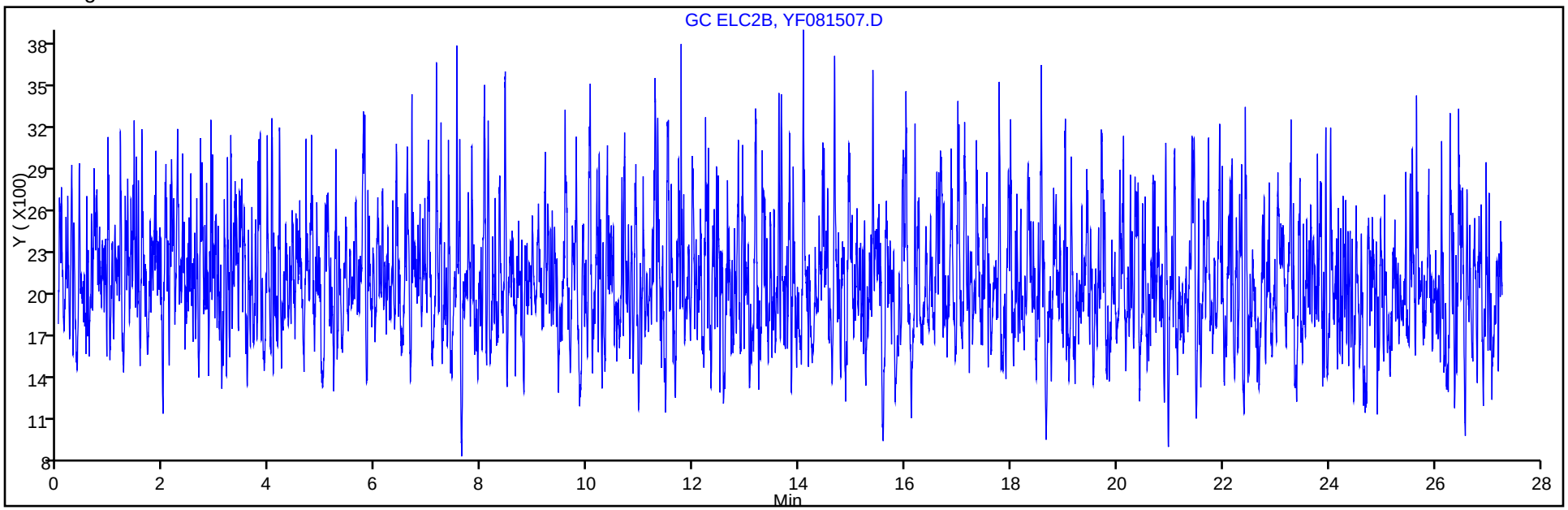
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.710	9.713	-0.003	1379064	8.97	
A 5 C6-C10	2	11.760	4.755 -	18.765	27099537	199.2	
A 1 C6-C12	2	13.426	4.855 -	21.997	34081672	200.8	

Report Date: 16-Aug-2012 12:49:28 Chrom Revision: 2.0 17-Jul-2012 17:32:54

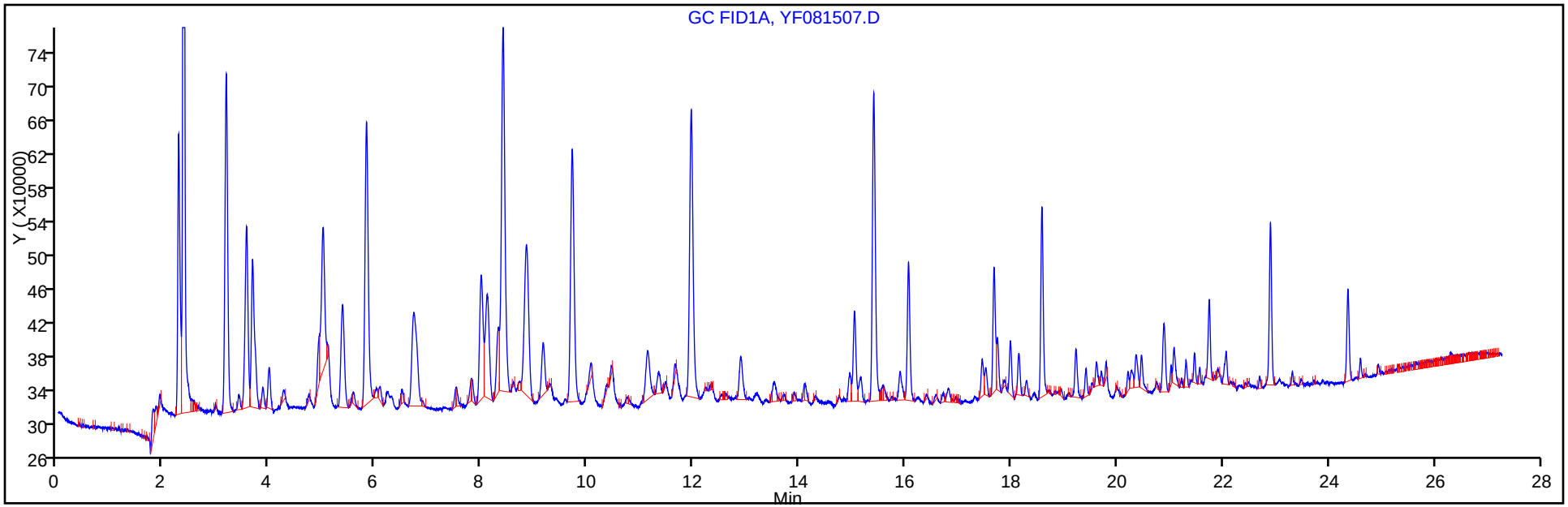
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081507.D

Injection Date:	15-Aug-2012 19:17:42	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	7
Operator ID:	1765		

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081508.D		
Lims ID:	STD3 GAS	Client ID:	
Inject. Date:	15-Aug-2012 19:58:01	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0012413-008		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	8
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:32	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

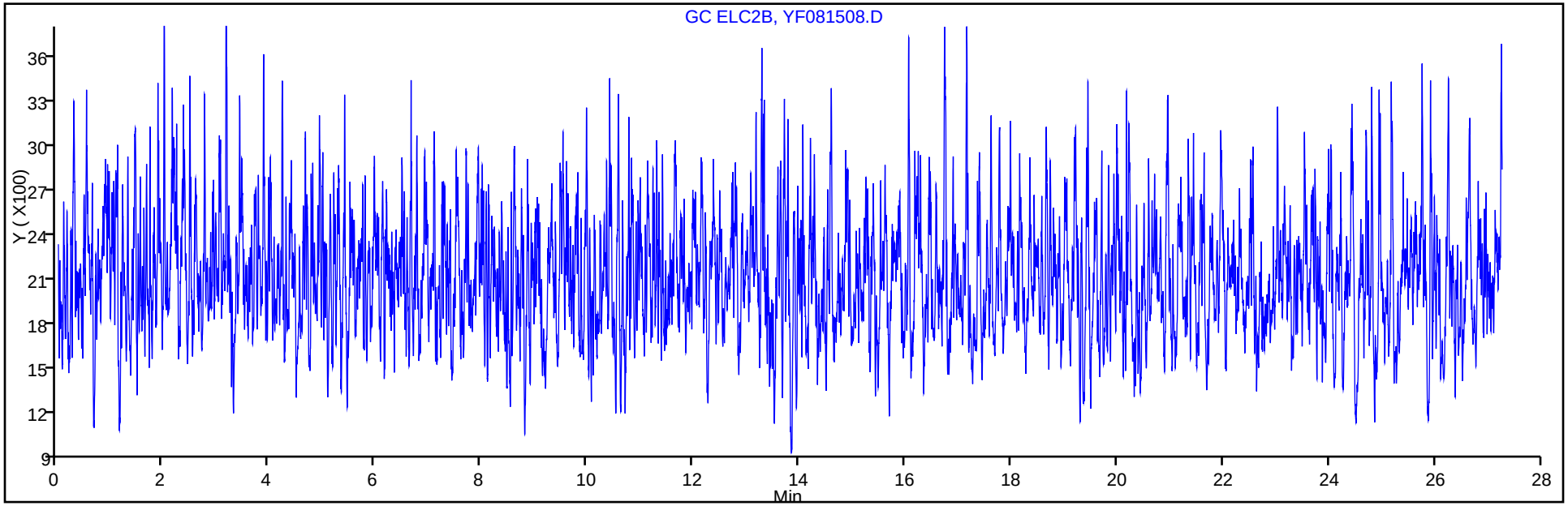
Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.713	9.713	0.0	1450251	9.43	
A 5 C6-C10	2	11.760	4.755 -	18.765	50604228	372.0	
A 1 C6-C12	2	13.426	4.855 -	21.997	59632568	388.2	

Report Date: 16-Aug-2012 12:49:32 Chrom Revision: 2.0 17-Jul-2012 17:32:54

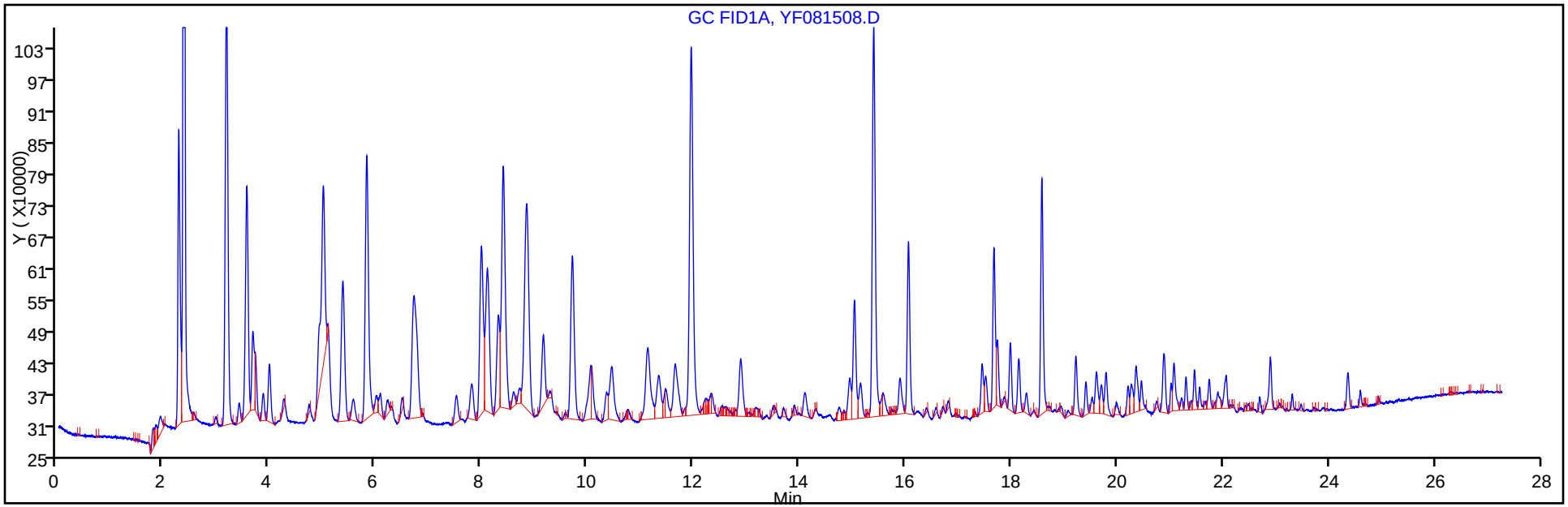
Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081508.D

Injection Date:	15-Aug-2012 19:58:01	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	54511	Lims Sample ID:	8
Operator ID:	1765		

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D		
Lims ID:	STD4 GAS	Client ID:	
Inject. Date:	15-Aug-2012 20:39:09	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	4
Sample ID:	240-0012413-009		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	9
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:36	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.708	9.708	0.0	1538182	10.0	
A 5 C6-C10	2	11.760	4.755 -	18.765	98796615	726.3	
A 1 C6-C12	2	13.426	4.855 -	21.997	113051081	779.9	

Report Date: 16-Aug-2012 12:49:36 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081509.D

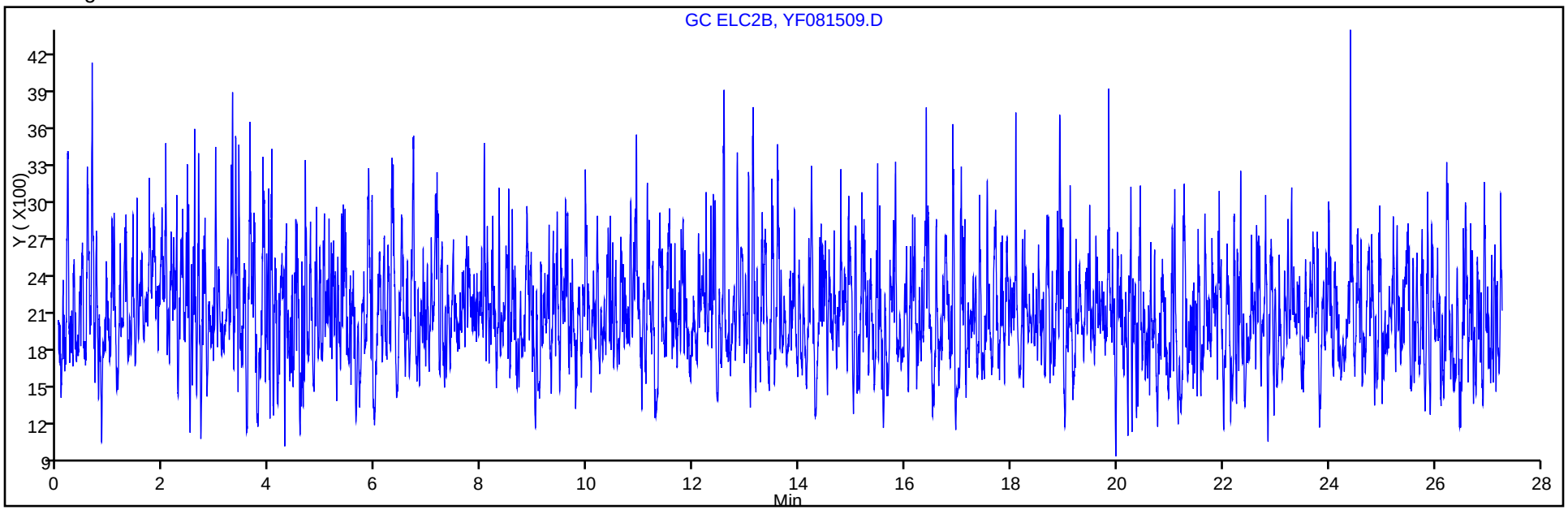
Injection Date: 15-Aug-2012 20:39:09 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

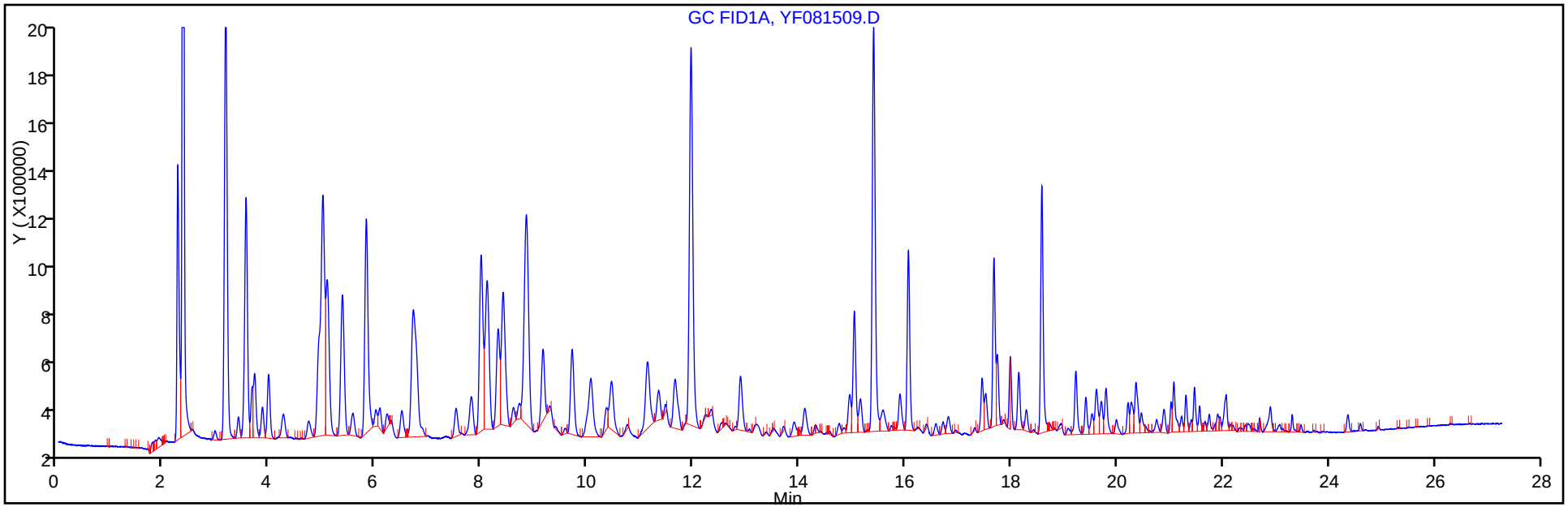
Lims Batch ID: 54511 Lims Sample ID: 9

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D		
Lims ID:	STD5 GAS	Client ID:	
Inject. Date:	15-Aug-2012 21:19:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0012413-010		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	10
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:40	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.711	9.708	0.003	1653764	10.8	
A 5 C6-C10	2	11.760	4.755 -	18.765	141742722	1042.1	
A 1 C6-C12	2	13.426	4.855 -	21.997	160683965	1129.2	

Report Date: 16-Aug-2012 12:49:40 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081510.D

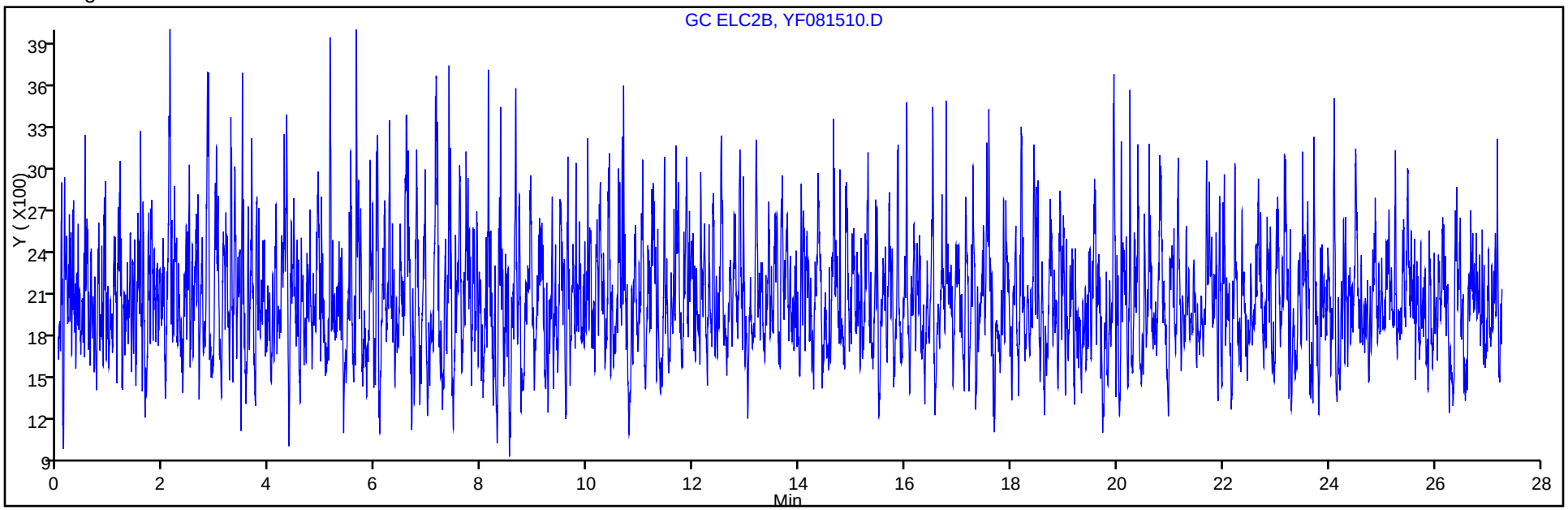
Injection Date: 15-Aug-2012 21:19:54 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

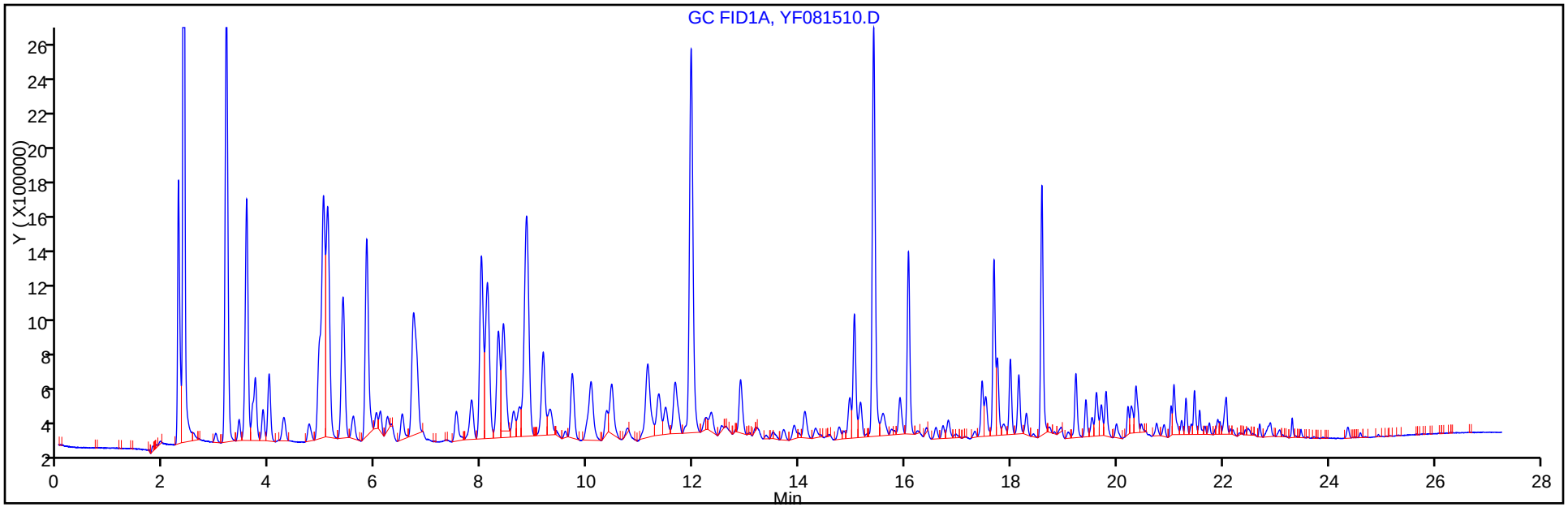
Lims Batch ID: 54511 Lims Sample ID: 10

Operator ID: 1765

Y Scaling:



Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Lims ID:	STD6 GAS	Client ID:	
Inject. Date:	15-Aug-2012 22:00:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0012413-011		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54511	Lims Sample ID:	11
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m		
Last Update:	16-Aug-2012 12:49:43	Calib Date:	15-Aug-2012 22:00:09
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Process Host:	XAWRK030		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.712	9.708	0.004	1835973	11.9	
A 5 C6-C10	2	11.760	4.755 -	18.765	206328514	1516.9	
A 1 C6-C12	2	13.426	4.855 -	21.997	233562173	1663.6	

Report Date: 16-Aug-2012 12:49:44 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D

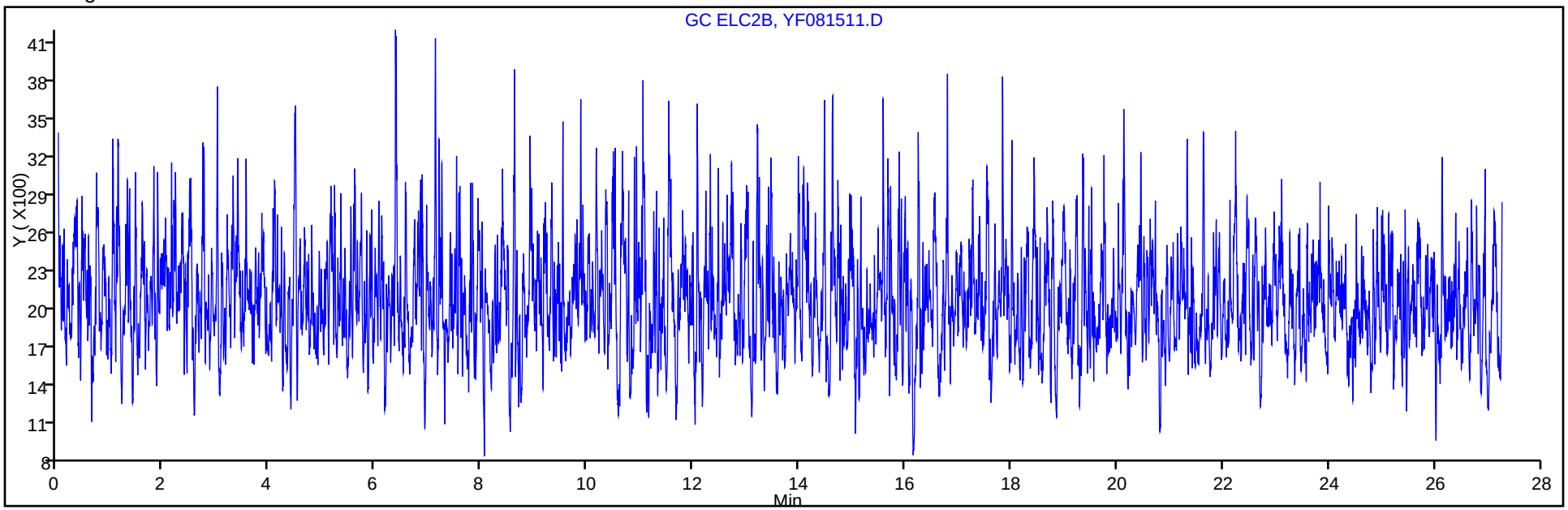
Injection Date: 15-Aug-2012 22:00:09 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

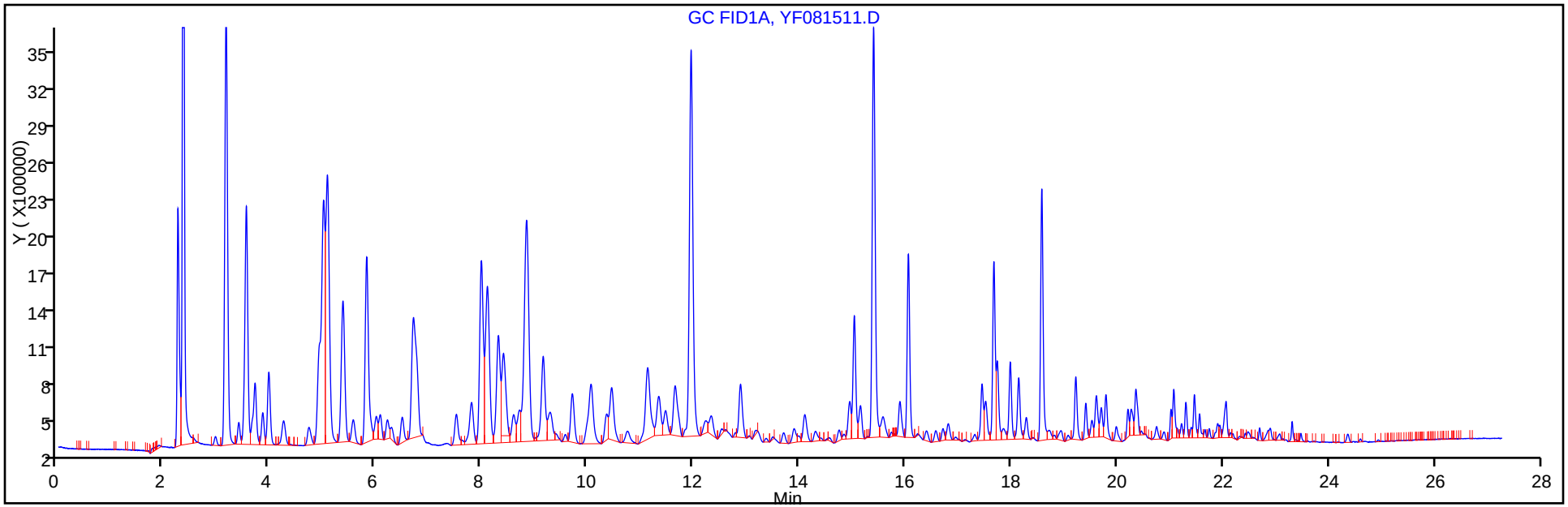
Lims Batch ID: 54511 Lims Sample ID: 11

Operator ID: 1765

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF081512.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C12	Lin		171870		959	800	19.9	20.0
Trifluorotoluene (Surr)	Ave	153716	157910		10.3	10.0	2.7	20.0

FORM VII

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-54511/12 Calibration Date: 08/15/2012 22:40

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF081512.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C12	13.43	4.86	22.00
Trifluorotoluene (Surr)	9.72	9.46	9.96

Report Date: 16-Aug-2012 12:49:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D
Lims ID: ICV GAS Client ID:
Inject. Date: 15-Aug-2012 22:40:41 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0012413-012
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 54511 Lims Sample ID: 12
Sublist:
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20120815-12413.b\Y80158021.m
Last Update: 16-Aug-2012 12:49:43 Calib Date: 15-Aug-2012 22:00:09
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081511.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Process Host: XAWRK030

First Level Reviewer: bolgrind Date: 16-Aug-2012 08:25:42

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.477	-8.477	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.715	9.708	0.007	1579095	10.3	
A 5 C6-C10	2	11.760	4.755 -	18.765	117168930	861.4	
A 1 C6-C12	2	13.426	4.855 -	21.997	137496376	959.2	

Report Date: 16-Aug-2012 12:49:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Ncchrom\ChromData\YPID\20120815-12413.b\YF081512.D

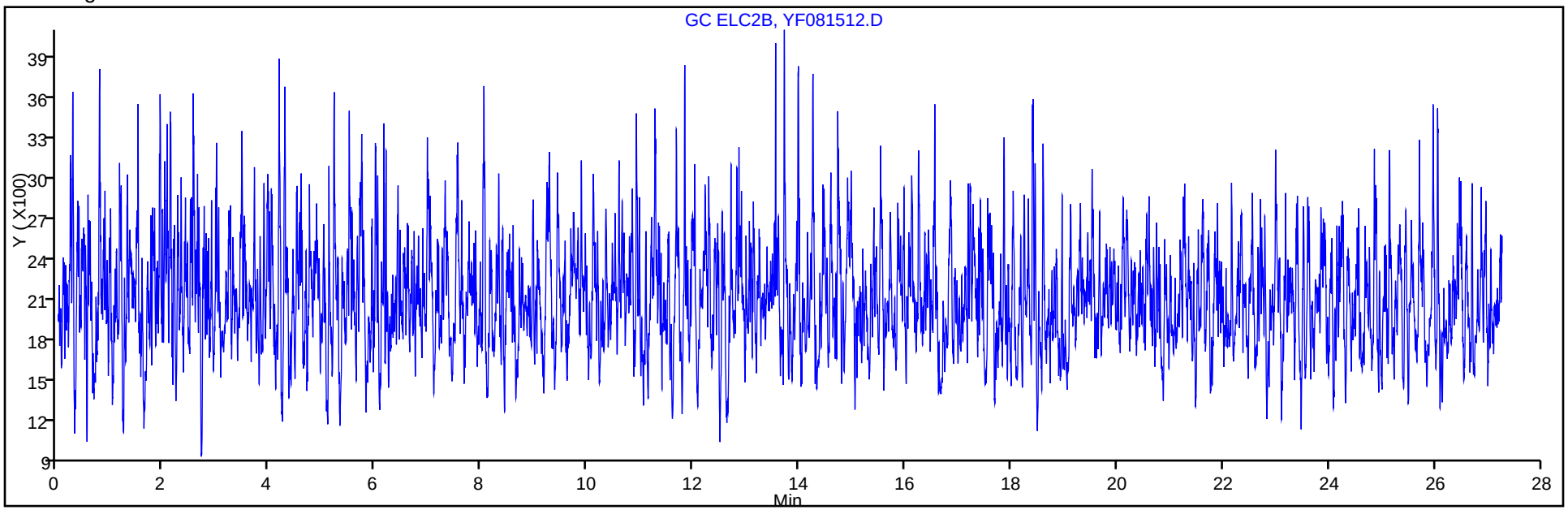
Injection Date: 15-Aug-2012 22:40:41 Limit Group: GCV 8015B GRO ICAL

Client ID: Instrument ID: YPID

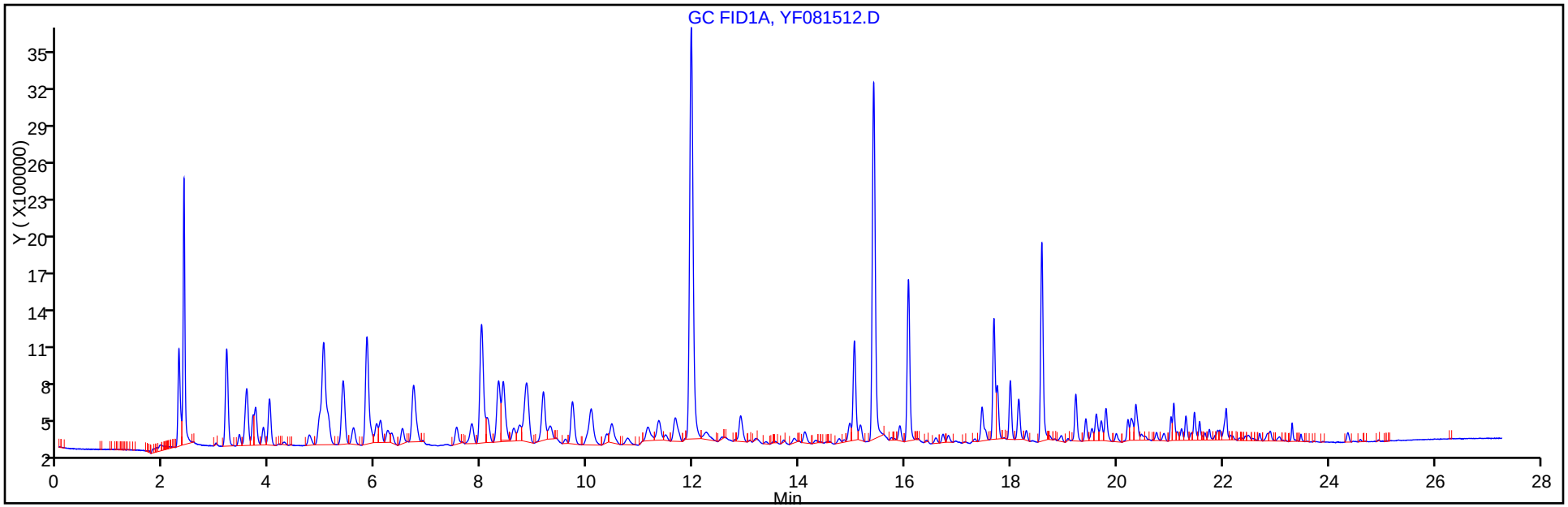
Lims Batch ID: 54511 Lims Sample ID: 12

Operator ID: 1765

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66387/5 Calibration Date: 11/27/2012 12:06

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF112705.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C12	Lin		156807		871	800	8.8	15.0
Trifluorotoluene (Surr)	Ave	153716	137792		8.96	10.0	-10.4	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66387/5 Calibration Date: 11/27/2012 12:06

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF112705.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C12	13.41	4.97	21.85
Trifluorotoluene (Surr)	9.75	9.50	10.00

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121127-15294.b\YF112705.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	27-Nov-2012 12:06:55	Dil. Factor:	1.0000
Sample Type:	CCVRT		
Sample ID:	240-0015294-005		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	66387	Lims Sample ID:	5
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m		
Last Update:	28-Nov-2012 19:47:59	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK020		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.749	9.749	0.0	1377921	8.96	
A 5 C6-C10	2	11.821	4.871 -	18.771	112658726	828.3	
A 1 C6-C12	2	13.408	4.971 -	21.846	125445580	870.8	

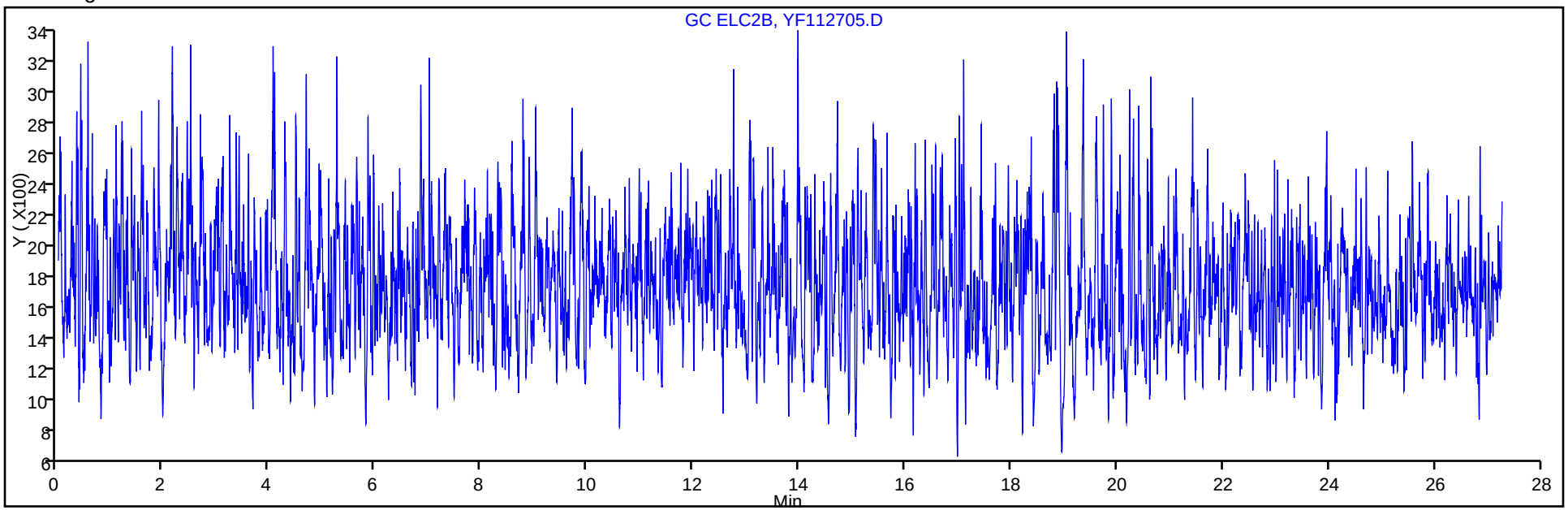
Report Date: 28-Nov-2012 19:47:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

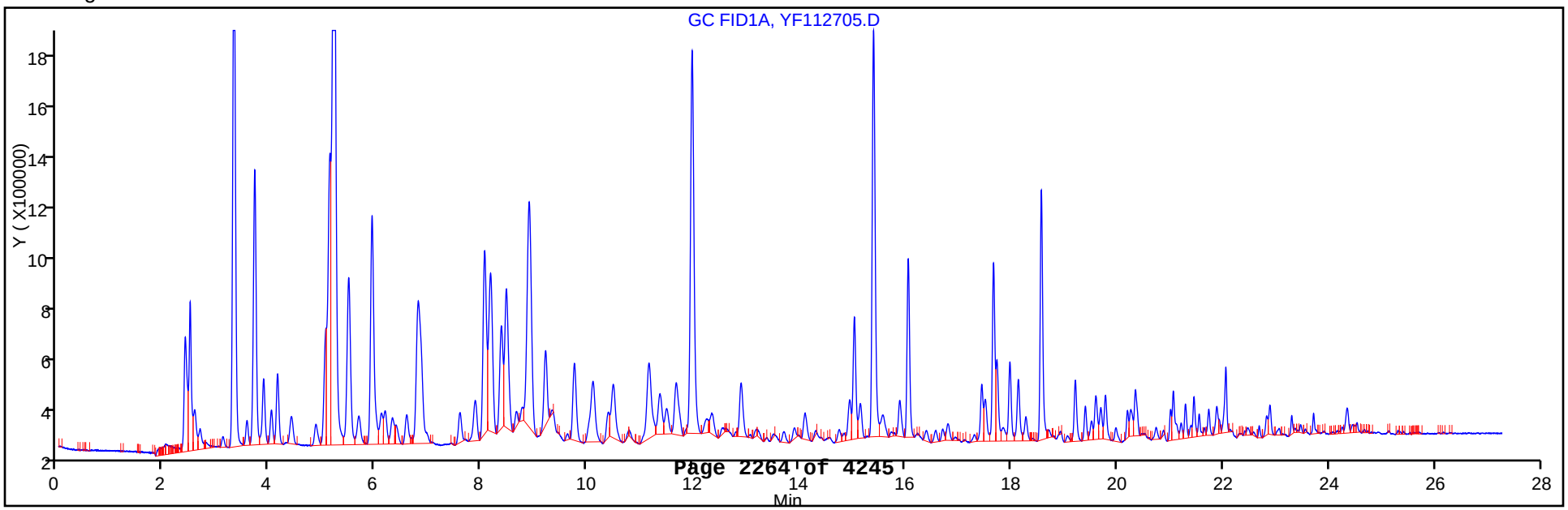
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112705.D

Injection Date:	27-Nov-2012 12:06:55	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	5
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66387/40 Calibration Date: 11/28/2012 10:36

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF112740.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C12	Lin		142737		788	800	-1.5	15.0
Trifluorotoluene (Surr)	Ave	153716	138763		9.03	10.0	-9.7	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66387/40 Calibration Date: 11/28/2012 10:36

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF112740.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C12	13.41	4.97	21.85
Trifluorotoluene (Surr)	9.75	9.50	10.00

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121127-15294.b\YF112740.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	28-Nov-2012 10:36:15	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0015294-040		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	66387	Lims Sample ID:	40
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m		
Last Update:	29-Nov-2012 08:33:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK035		

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.753	9.753	0.0	1387625	9.03	
A 5 C6-C10	2	11.821	4.871 -	18.771	102426737	753.0	
A 1 C6-C12	2	13.408	4.971 -	21.846	114189840	788.2	

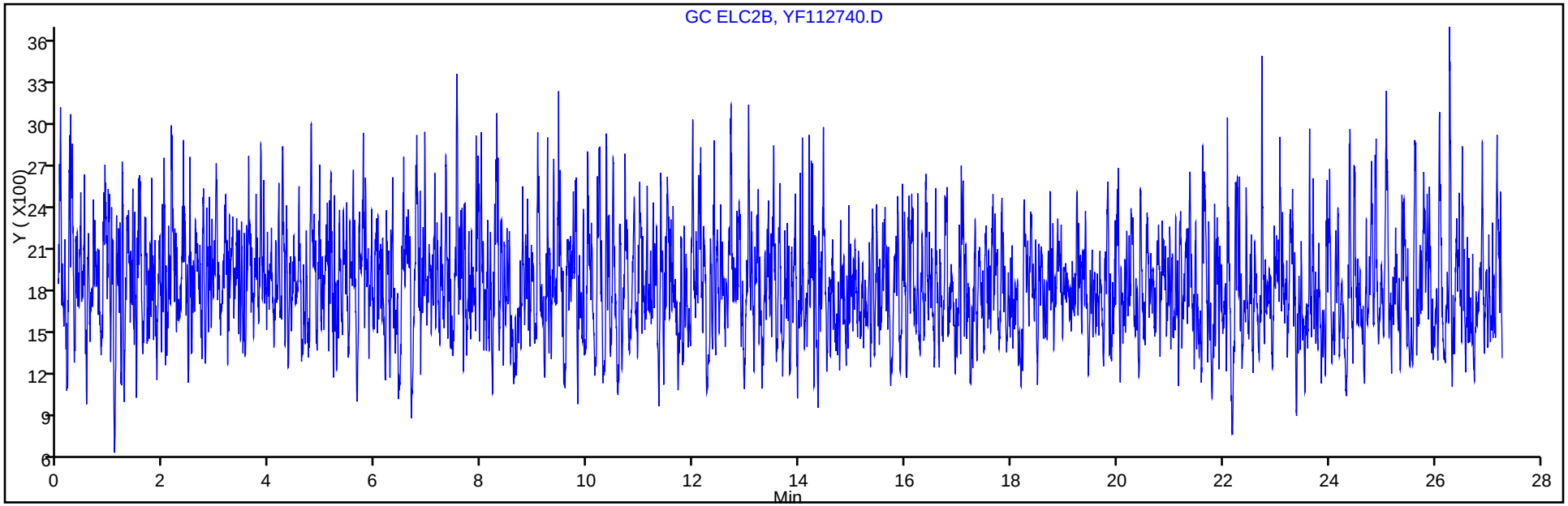
Report Date: 29-Nov-2012 08:33:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

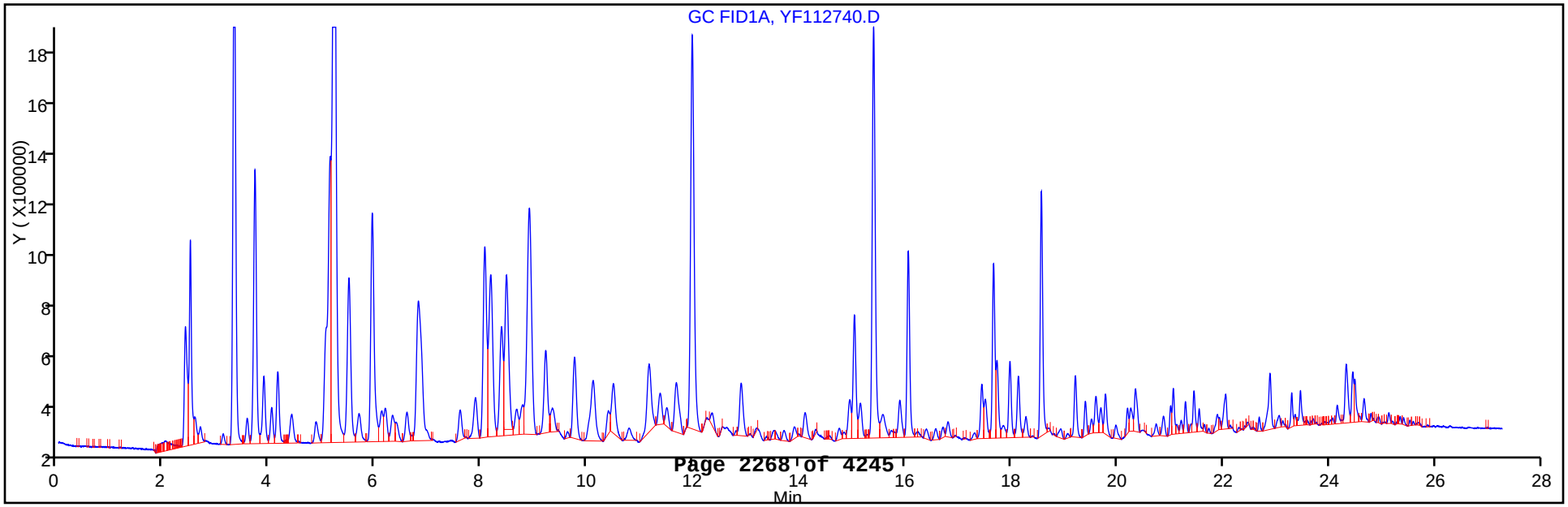
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112740.D

Injection Date:	28-Nov-2012 10:36:15	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	40
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66387/51 Calibration Date: 11/28/2012 17:53

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF112751.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C6-C12	Lin		147097		814	800	1.7	15.0
Trifluorotoluene (Surr)	Ave	153716	135949		8.84	10.0	-11.6	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66387/51 Calibration Date: 11/28/2012 17:53

Instrument ID: YPID Calib Start Date: 08/15/2012 18:36

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 08/15/2012 22:00

Lab File ID: YF112751.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
C6-C12	13.41	4.97	21.85
Trifluorotoluene (Surr)	9.75	9.50	10.00

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121127-15294.b\YF112751.D		
Lims ID:	CCV GAS	Client ID:	
Inject. Date:	28-Nov-2012 17:53:32	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	240-0015294-051		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	66387	Lims Sample ID:	51
Sublist:	chrom-Y80158021*sub7		
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m		
Last Update:	29-Nov-2012 08:33:49	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK035		
First Level Reviewer: bosworthh		Date:	28-Nov-2012 19:02:39

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.749	9.749	0.0	1359491	8.84	
A 5 C6-C10	2	11.821	4.871 -	18.771	105135220	772.9	
A 1 C6-C12	2	13.408	4.971 -	21.846	117677768	813.8	

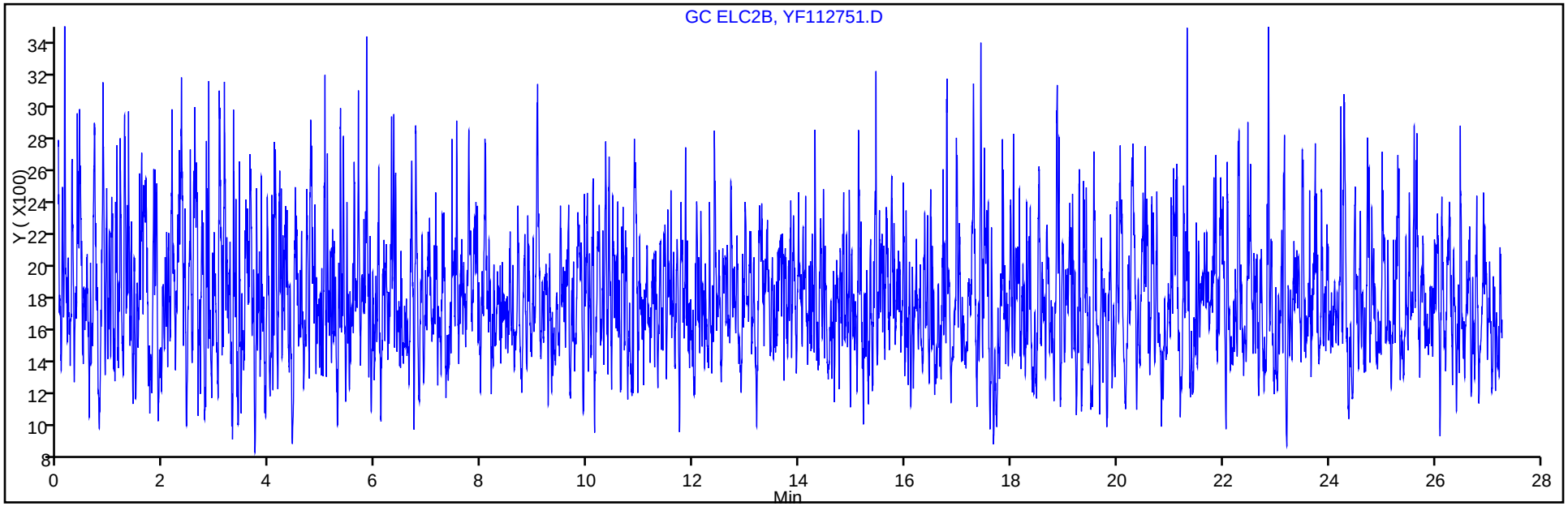
Report Date: 29-Nov-2012 08:33:50 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

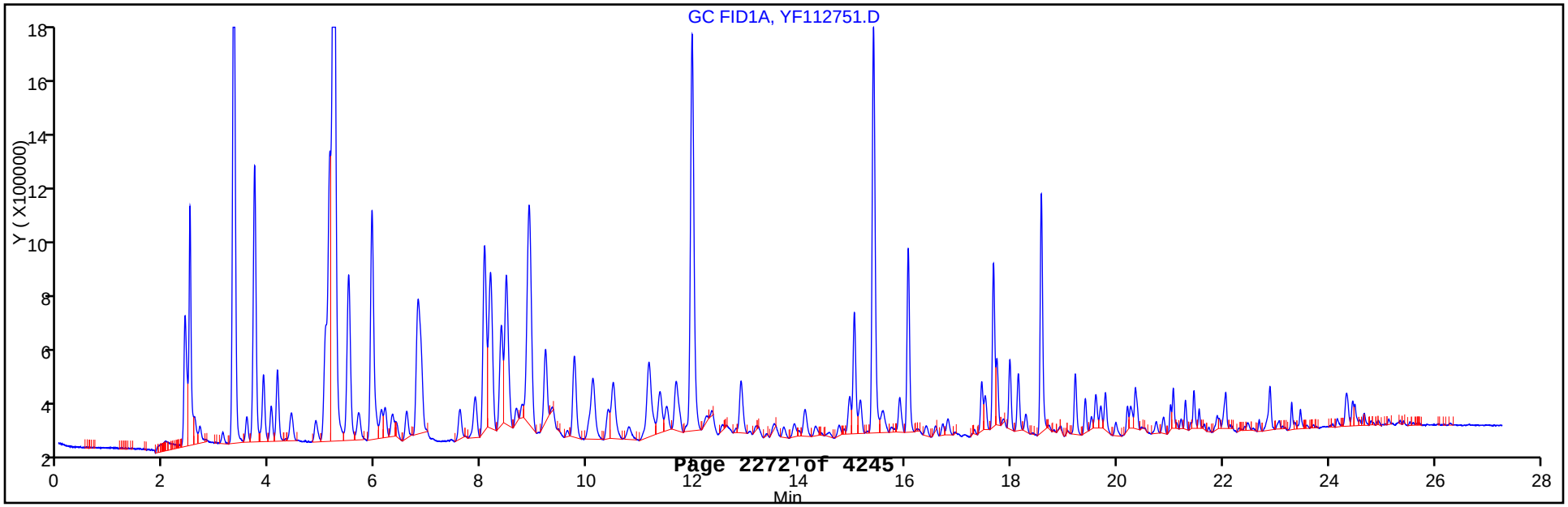
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112751.D

Injection Date:	28-Nov-2012 17:53:32	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	51
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-66387/45

Matrix: Water Lab File ID: YF112745.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 14:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	50	U	100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	79		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112745.D
Lims ID: MB Client ID:
Inject. Date: 28-Nov-2012 14:00:38 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015294-045
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 66387 Lims Sample ID: 45
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m
Last Update: 29-Nov-2012 08:33:36 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.121	5.131	-0.010	6872	0	
12 Methyl tert-butyl ether	2	5.074	5.208	-0.134	7837	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.751	9.753	-0.002	1214540	7.90	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.821	4.871 -	18.771	4638930	34.1	
8 Toluene	1		11.964				1
A 1 C6-C12	2		4.971 -	21.846			
A 11 GRO	2	13.631	4.995 -	22.267	11017782	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1		18.579				1
14 Dodecane	2	21.730	21.740	-0.010	5182	0	
9 Naphthalene	2	22.022	22.060	-0.038	7698	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

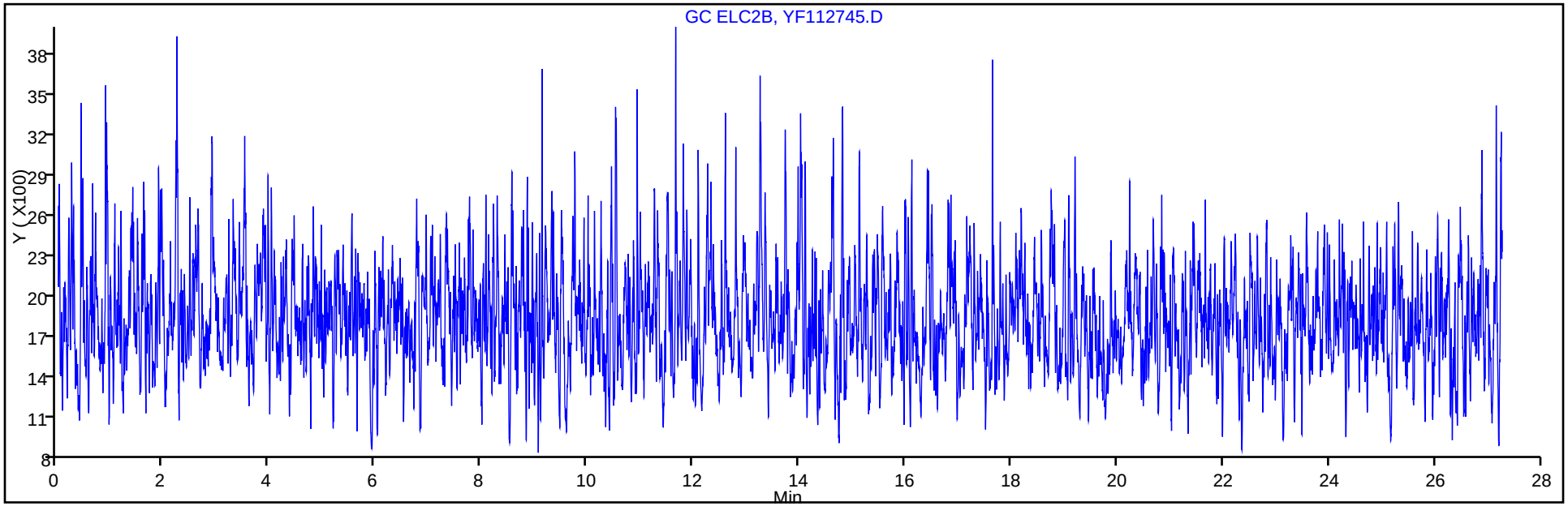
Report Date: 29-Nov-2012 08:33:42 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

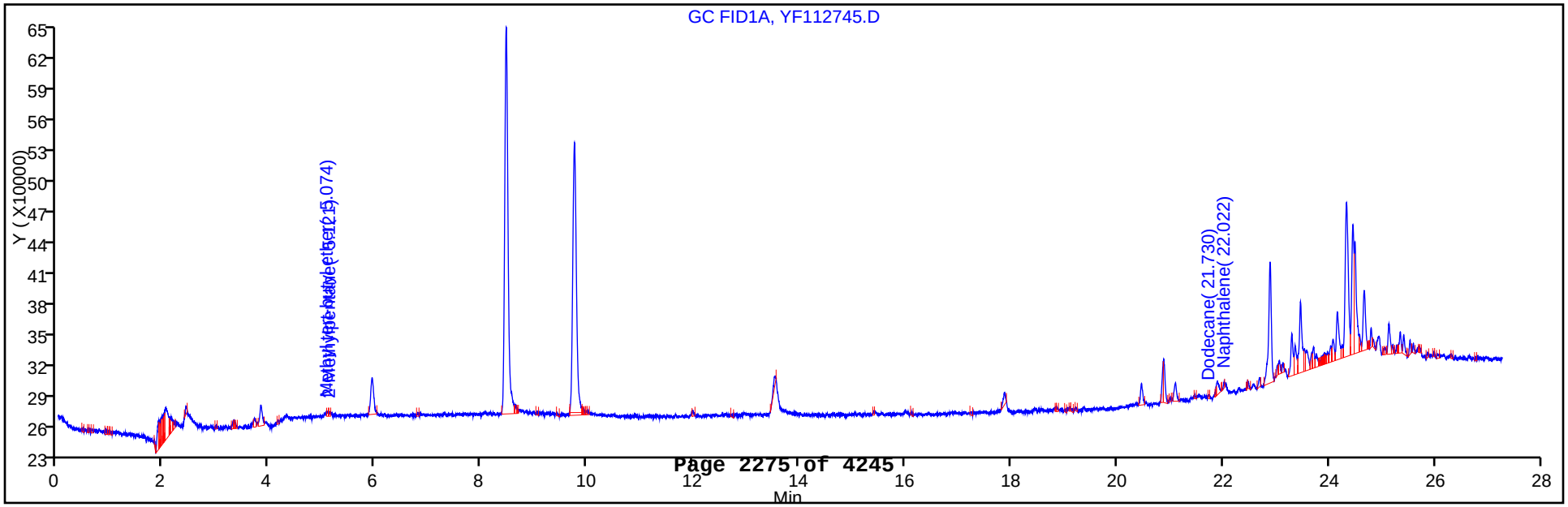
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112745.D

Injection Date:	28-Nov-2012 14:00:38	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	45
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-66387/46

Matrix: Water | Lab File ID: YF112746.D

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/28/2012 14:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 66387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	885		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	87		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\YPID\20121127-15294.b\YF112746.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	28-Nov-2012 14:38:42	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	240-0015294-046		
Misc. Info.:			
Operator:	1765	Instrument ID:	YPID
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	66387	Lims Sample ID:	46
Detector 1 :	GC ELC2B		
Detector 2 :	GC FID1A		
Method:	\\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m		
Last Update:	29-Nov-2012 08:33:36	Calib Date:	27-Aug-2012 15:06:37
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D		
Limit Group:	GCV 8015B GRO ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK035		
First Level Reviewer: bosworthh		Date:	28-Nov-2012 16:12:10

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.750	9.753	-0.003	1332394	8.67	
A 5 C6-C10	2	11.821	4.871 -	18.771	111352079	818.6	
A 1 C6-C12	2	13.408	4.971 -	21.846	127394408	885.1	

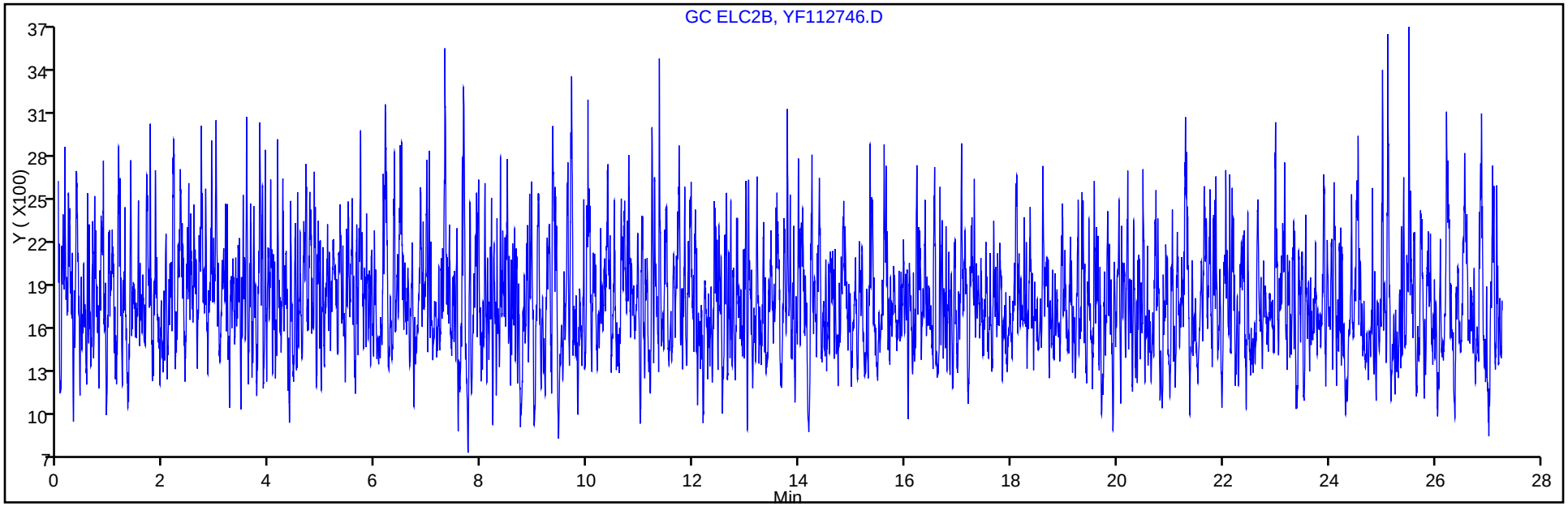
Report Date: 29-Nov-2012 08:33:43 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

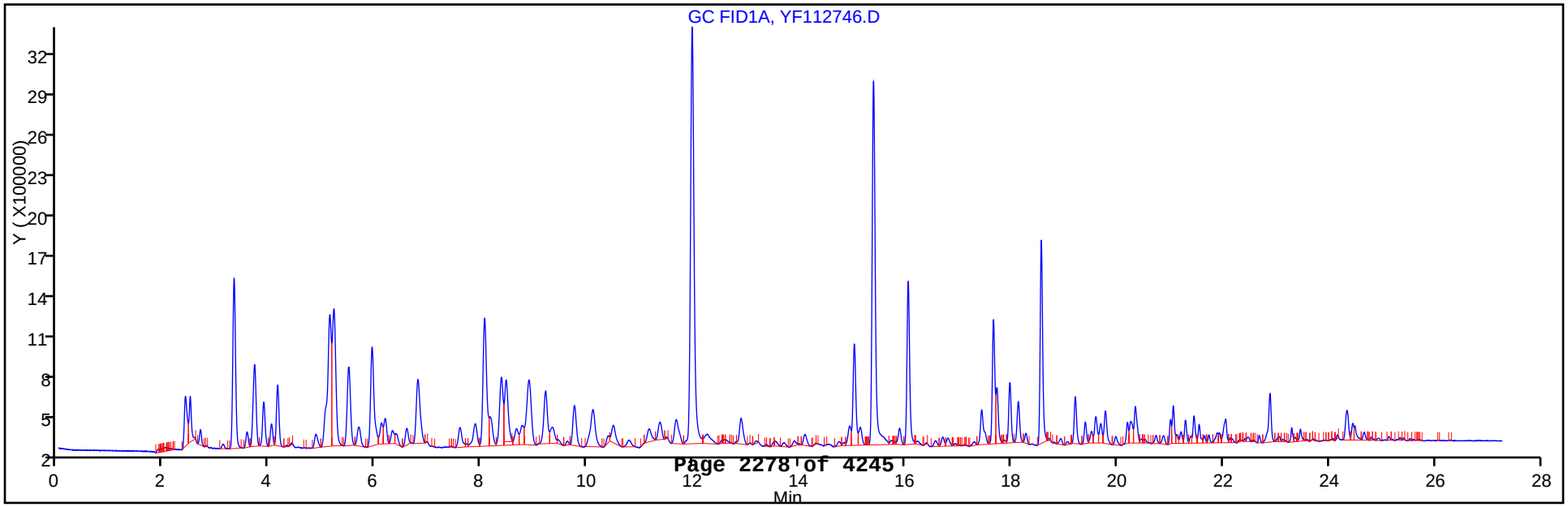
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112746.D

Injection Date:	28-Nov-2012 14:38:42	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	46
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66387/30

Matrix: Water Lab File ID: YF112730.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 04:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	114		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	77		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112730.D
Lims ID: MRL Client ID:
Inject. Date: 28-Nov-2012 04:10:36 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015294-030
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 66387 Lims Sample ID: 30
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m
Last Update: 29-Nov-2012 10:31:06 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.123	5.131	-0.008	494579	0	
12 Methyl tert-butyl ether	2	5.203	5.208	-0.005	1655438	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.746	9.754	-0.008	1189489	7.74	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.821	4.871 -	18.771	17877840	131.4	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.408	4.971 -	21.846	22306912	114.4	
A 11 GRO	2	13.631	4.995 -	22.267	26214903	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.741	21.740	0.001	19400	0	
9 Naphthalene	2	22.058	22.060	-0.002	141298	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

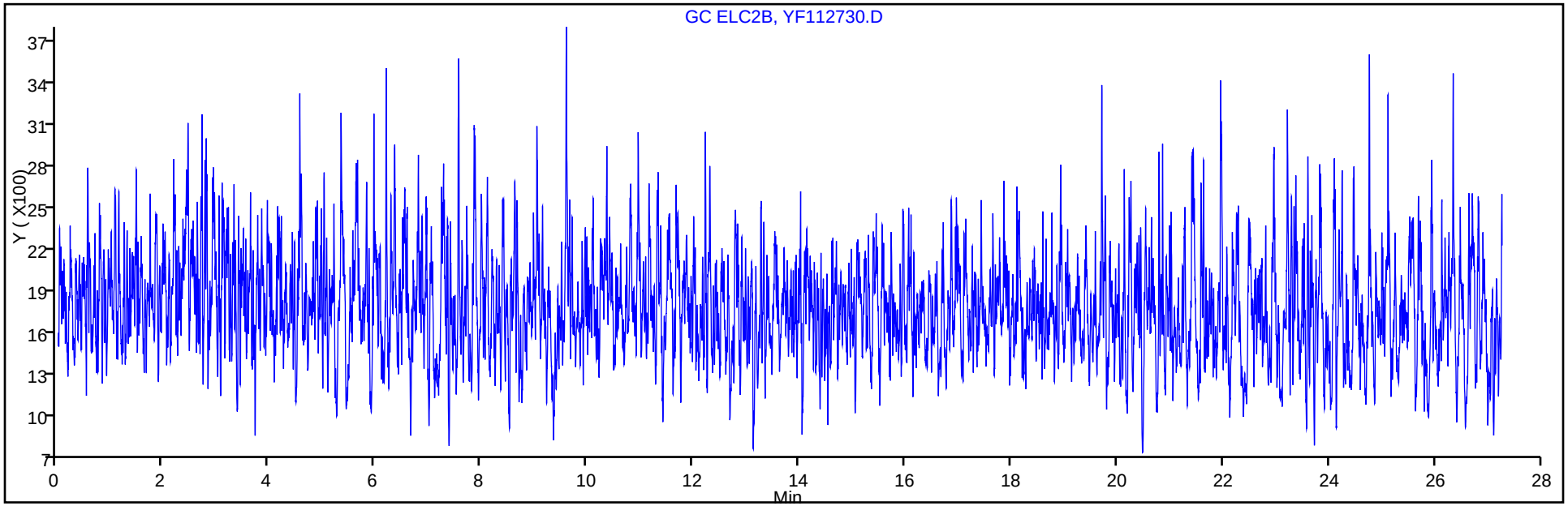
Report Date: 29-Nov-2012 10:31:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

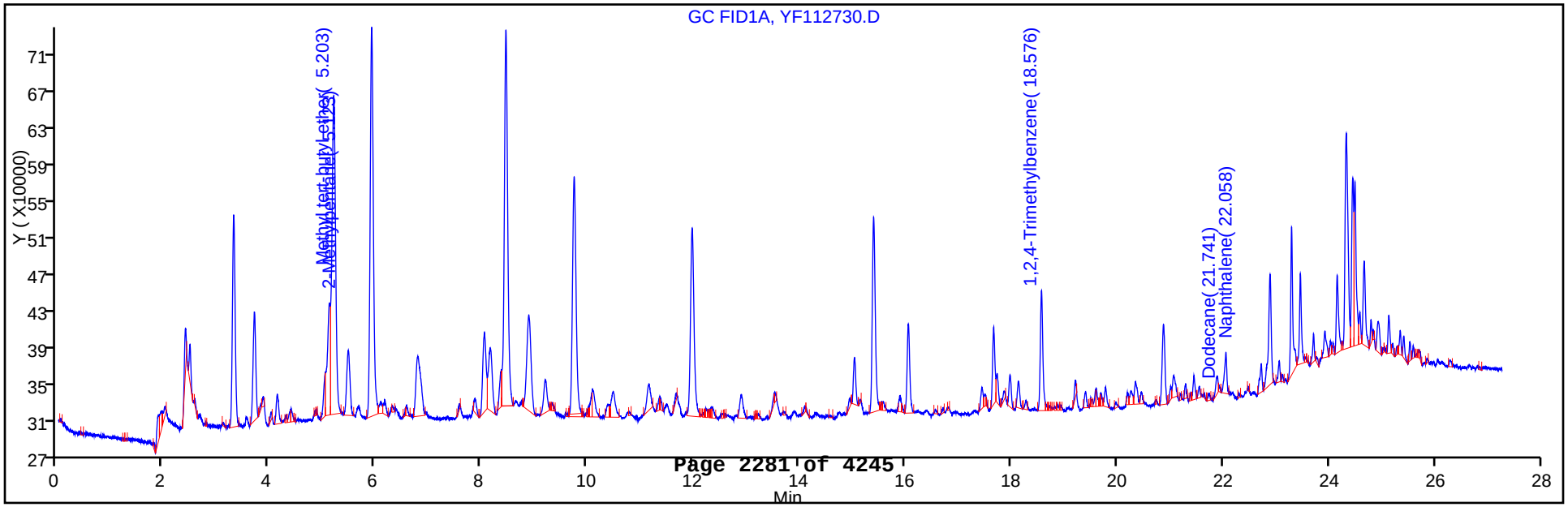
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112730.D

Injection Date:	28-Nov-2012 04:10:36	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	30
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: MRL 240-66387/61

Matrix: Water Lab File ID: YF112761.D

Analysis Method: 8015B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/29/2012 00:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	102		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	74		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112761.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 00:17:25 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015294-061
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 66387 Lims Sample ID: 61
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m
Last Update: 29-Nov-2012 08:34:01 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.132	5.131	0.001	360430	0	
12 Methyl tert-butyl ether	2	5.209	5.208	0.001	1535908	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.749	9.751	-0.002	1140932	7.42	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.821	4.871 -	18.771	16484023	121.2	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.408	4.971 -	21.846	20661281	102.4	
A 11 GRO	2	13.631	4.995 -	22.267	24487211	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.653	21.740	-0.087	8287	0	
9 Naphthalene	2	22.049	22.060	-0.011	75548	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

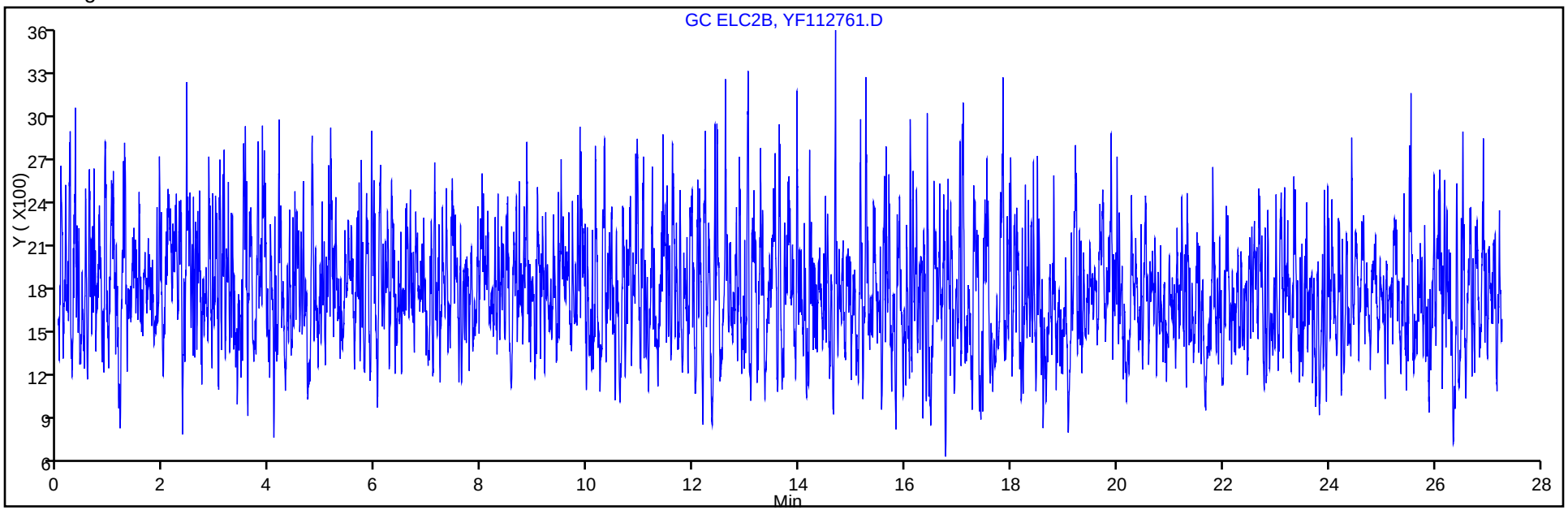
Report Date: 29-Nov-2012 08:34:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

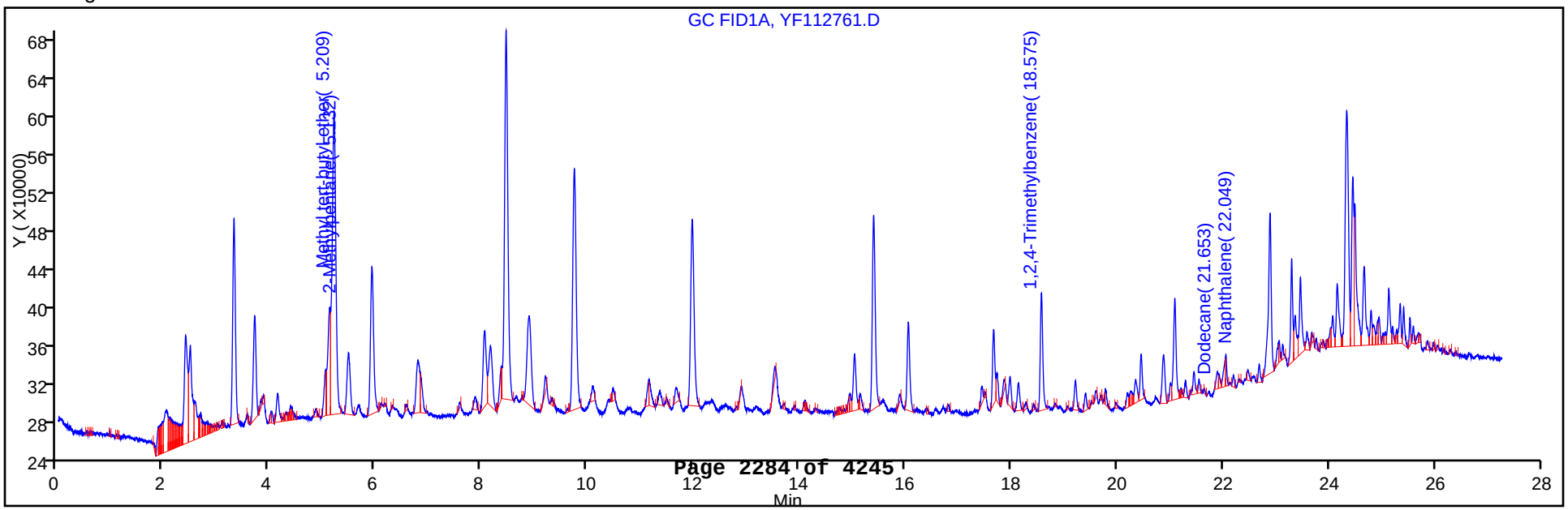
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112761.D

Injection Date:	29-Nov-2012 00:17:25	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	61
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER MS Lab Sample ID: 240-17796-20 MS

Matrix: Water Lab File ID: YF112749.D

Analysis Method: 8015B Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 16:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	908		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	86		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112749.D
Lims ID: 240-17796-B-20 MS Client ID:
Inject. Date: 28-Nov-2012 16:35:49 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 240-0015294-049
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 66387 Lims Sample ID: 49
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m
Last Update: 29-Nov-2012 08:33:36 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.128	5.131	-0.003	4976298	0	
12 Methyl tert-butyl ether	2	5.205	5.208	-0.003	4894620	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.752	9.753	-0.001	1316725	8.57	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.821	4.871 -	18.771	113585635	835.1	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.408	4.971 -	21.846	130467343	907.6	
A 11 GRO	2	13.631	4.995 -	22.267	135782871	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.741	21.740	0.001	117178	0	
9 Naphthalene	2	22.054	22.060	-0.006	679834	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

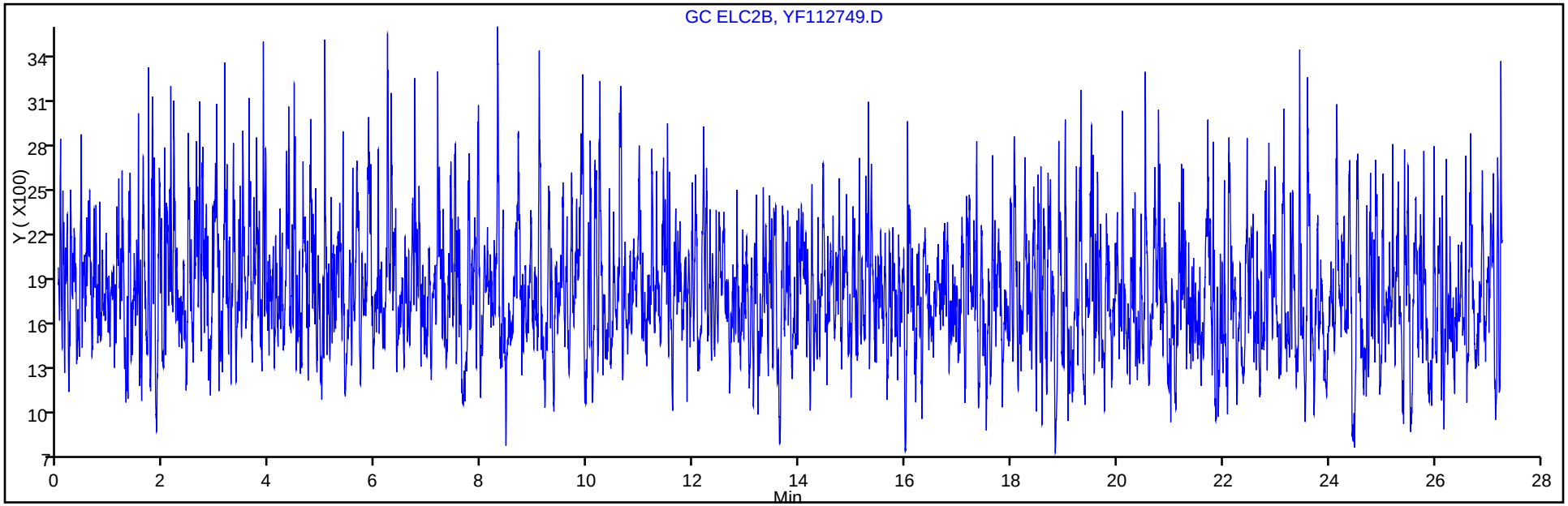
Report Date: 29-Nov-2012 08:33:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

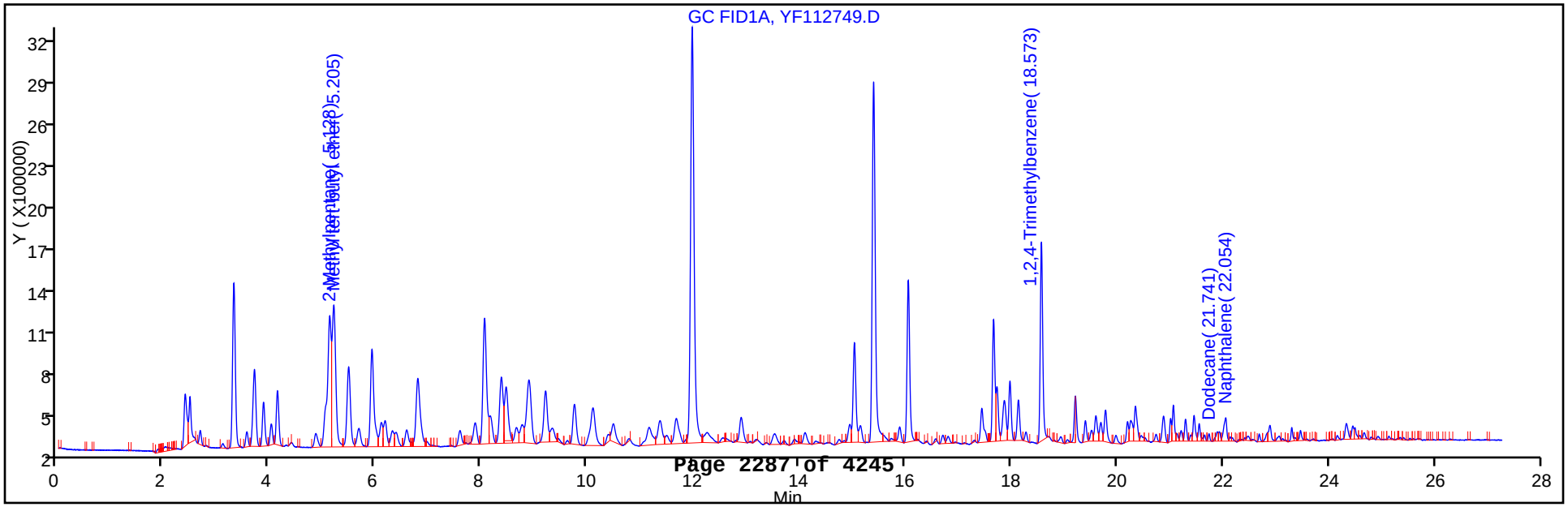
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112749.D

Injection Date:	28-Nov-2012 16:35:49	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	49
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER MSD Lab Sample ID: 240-17796-20 MSD

Matrix: Water Lab File ID: YF112750.D

Analysis Method: 8015B Date Collected: 11/15/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 11/28/2012 17:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 66387 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00061	C6-C12	882		100	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	84		10-150

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112750.D
Lims ID: 240-17796-B-20 MSD Client ID:
Inject. Date: 28-Nov-2012 17:13:58 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 240-0015294-050
Misc. Info.:
Operator: 1765 Instrument ID: YPID
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 66387 Lims Sample ID: 50
Detector 1 : GC ELC2B
Detector 2 : GC FID1A

Method: \\Ncchrom\ChromData\YPID\20121127-15294.b\Y80158021.m
Last Update: 29-Nov-2012 08:33:36 Calib Date: 27-Aug-2012 15:06:37
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\YPID\20120827-12713.b\YF082710.D
Limit Group: GCV 8015B GRO ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

Compound	Det	RT	ADJ RT	DLT RT	Response	On-Col Amt ug/l	Flags
S 17 Xylenes, Total	1		0.000				7
6 2-Methylpentane	2	5.131	5.131	0.0	4914406	0	
12 Methyl tert-butyl ether	2	5.208	5.208	0.0	4947856	0	
3 Benzene	1		7.999				1
* 15 Fluorobenzene	1	0.000	8.418	-8.418	0	0	
$ 16 Trifluorotoluene (Surr)	2	9.751	9.753	-0.002	1286820	8.37	
$ 18 a,a,a-Trifluorotoluene (pid)	1		9.772				1
A 5 C6-C10	2	11.821	4.871 -	18.771	109875565	807.8	
8 Toluene	1		11.964				1
A 1 C6-C12	2	13.408	4.971 -	21.846	126941944	881.8	
A 11 GRO	2	13.631	4.995 -	22.267	132780395	0	
13 Ethylbenzene	1		15.042				1
2 m-Xylene & p-Xylene	1		15.410				1
4 o-Xylene	1		16.061				1
10 1,3,5-Trimethylbenzene	1		17.985				1
7 1,2,4-Trimethylbenzene	1	0.000	18.579	-18.579	0	0	
14 Dodecane	2	21.738	21.740	-0.002	114582	0	
9 Naphthalene	2	22.056	22.060	-0.004	647345	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

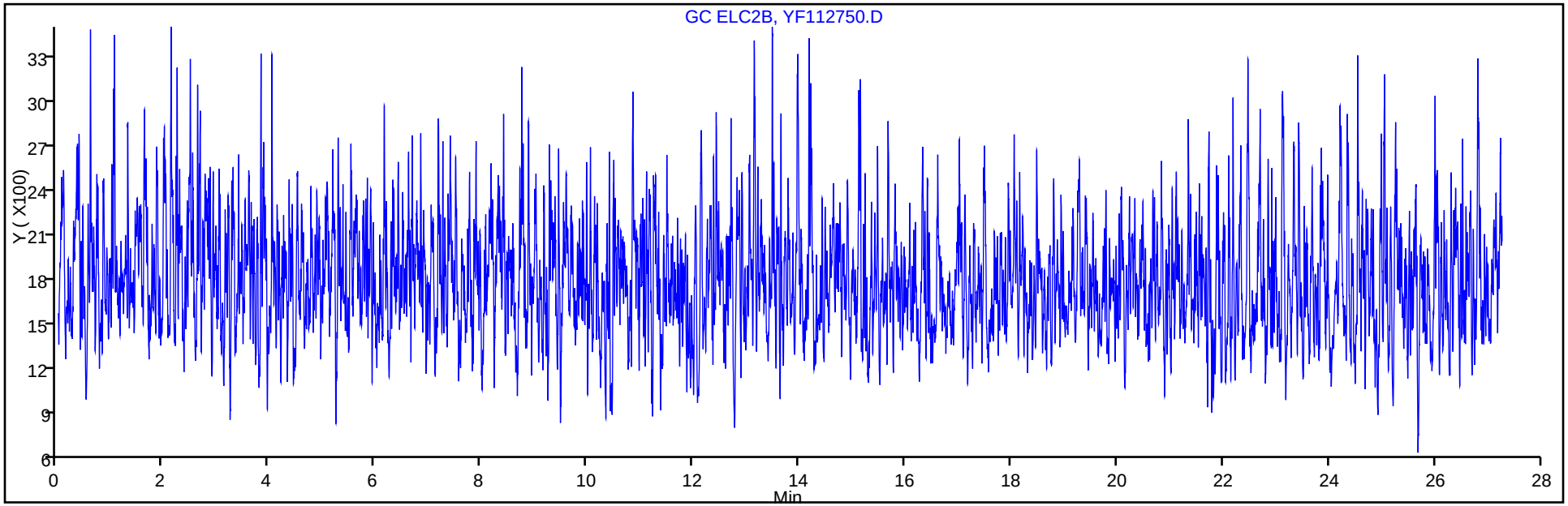
Report Date: 29-Nov-2012 08:33:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

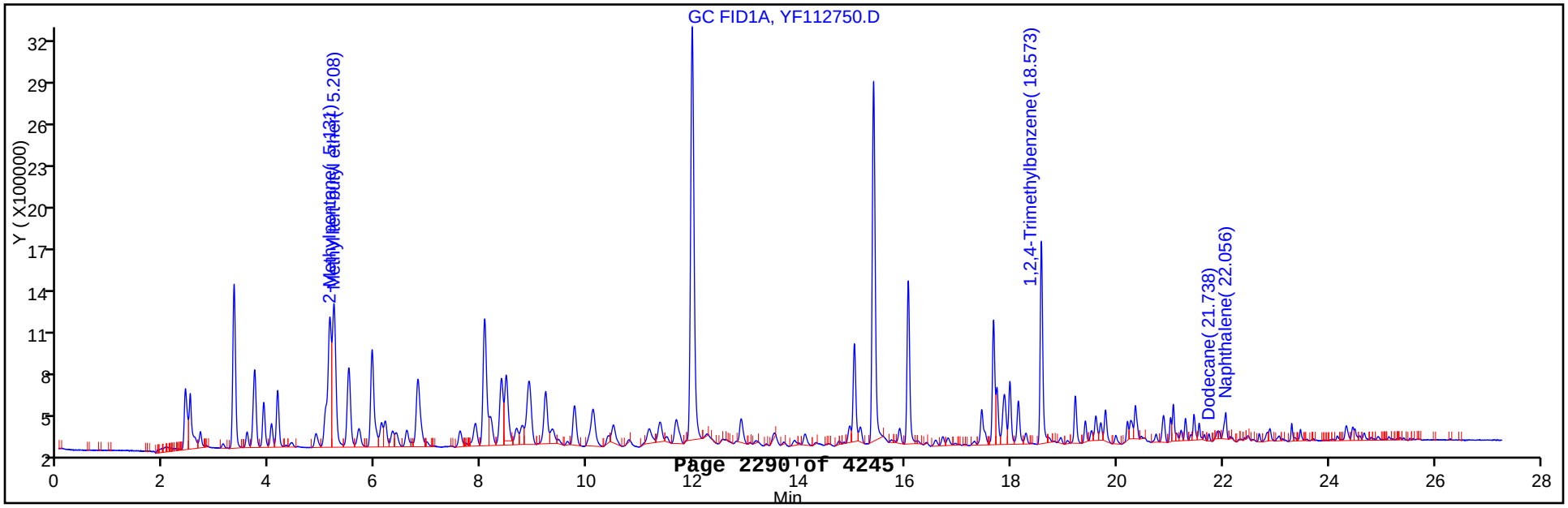
Data File: \\Ncchrom\ChromData\YPID\20121127-15294.b\YF112750.D

Injection Date:	28-Nov-2012 17:13:58	Limit Group:	GCV 8015B GRO ICAL
Client ID:		Instrument ID:	YPID
Lims Batch ID:	66387	Lims Sample ID:	50
Operator ID:	1765	Purge Vol:	5.000 mL
Column Type:		Column Dia:	

Y Scaling:



Y Scaling:



GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: YPID Start Date: 08/15/2012 17:16

Analysis Batch Number: 54511 End Date: 08/16/2012 06:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/15/2012 17:16	1		RTX-VRX 0.45(mm)
ZZZZZ		08/15/2012 17:57	1		RTX-VRX 0.45(mm)
STD1 240-54511/6 IC		08/15/2012 18:36	1	YF081506.D	RTX-VRX 0.45(mm)
STD2 240-54511/7 IC		08/15/2012 19:17	1	YF081507.D	RTX-VRX 0.45(mm)
STD3 240-54511/8 IC		08/15/2012 19:58	1	YF081508.D	RTX-VRX 0.45(mm)
STD4 240-54511/9 ICRT		08/15/2012 20:39	1	YF081509.D	RTX-VRX 0.45(mm)
STD5 240-54511/10 IC		08/15/2012 21:19	1	YF081510.D	RTX-VRX 0.45(mm)
STD6 240-54511/11 IC		08/15/2012 22:00	1	YF081511.D	RTX-VRX 0.45(mm)
ICV 240-54511/12		08/15/2012 22:40	1	YF081512.D	RTX-VRX 0.45(mm)
ZZZZZ		08/15/2012 23:21	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 00:02	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 00:42	200		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 01:23	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 02:03	100		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 02:43	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 03:24	1		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 04:05	1000		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 04:45	5		RTX-VRX 0.45(mm)
ZZZZZ		08/16/2012 05:26	1		RTX-VRX 0.45(mm)
CCV 240-54511/23		08/16/2012 06:06	1		RTX-VRX 0.45(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: YPID Start Date: 11/27/2012 09:33

Analysis Batch Number: 66387 End Date: 11/29/2012 00:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/27/2012 09:33	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 10:12	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 10:50	1		RTX-VRX 0.45(mm)
CCV 240-66387/5 CCVRT		11/27/2012 12:06	1	YF112705.D	RTX-VRX 0.45(mm)
CCV 240-66387/12		11/27/2012 16:37	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 17:15	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 17:54	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 18:32	200		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 19:10	100		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 19:48	100		RTX-VRX 0.45(mm)
CCV 240-66387/18		11/27/2012 20:27	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 21:05	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 21:43	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 22:23	1		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 23:01	2		RTX-VRX 0.45(mm)
ZZZZZ		11/27/2012 23:40	10		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 00:19	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 00:57	10		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 01:36	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 02:14	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 02:53	1		RTX-VRX 0.45(mm)
CCV 240-66387/29		11/28/2012 03:31	1		RTX-VRX 0.45(mm)
MRL 240-66387/30		11/28/2012 04:10	1	YF112730.D	RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 04:49	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 05:27	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 06:06	5		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 06:44	10		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 07:23	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 08:01	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 08:40	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 09:18	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 09:58	1		RTX-VRX 0.45(mm)
CCV 240-66387/40		11/28/2012 10:36	1	YF112740.D	RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 11:25	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 12:04	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 12:43	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 13:22	1		RTX-VRX 0.45(mm)
MB 240-66387/45		11/28/2012 14:00	1	YF112745.D	RTX-VRX 0.45(mm)
LCS 240-66387/46		11/28/2012 14:38	1	YF112746.D	RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 15:18	1		RTX-VRX 0.45(mm)
240-17796-20	076-0067-0001-ER	11/28/2012 15:56	1	YF112748.D	RTX-VRX 0.45(mm)
240-17796-20 MS	076-0067-0001-ER MS	11/28/2012 16:35	1	YF112749.D	RTX-VRX 0.45(mm)
240-17796-20 MSD	076-0067-0001-ER MSD	11/28/2012 17:13	1	YF112750.D	RTX-VRX 0.45(mm)
CCV 240-66387/51		11/28/2012 17:53	1	YF112751.D	RTX-VRX 0.45(mm)

8015B

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: YPID Start Date: 11/27/2012 09:33

Analysis Batch Number: 66387 End Date: 11/29/2012 00:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/28/2012 18:31	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 19:09	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 19:48	1		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 20:27	5		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 21:05	5		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 21:42	5		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 22:22	2		RTX-VRX 0.45(mm)
ZZZZZ		11/28/2012 22:59	1		RTX-VRX 0.45(mm)
CCV 240-66387/60		11/28/2012 23:39	1		RTX-VRX 0.45(mm)
MRL 240-66387/61		11/29/2012 00:17	1	YF112761.D	RTX-VRX 0.45(mm)

Method 8081 DOD

Organochlorine Pesticides (GC) by Method 8081A/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
076-0067-0001-ER	240-17796-20	83	77	76	71
	MB 240-65900/9-A	85	73	93	86
	LCS 240-65900/10-A	84	76	43	42

	QC LIMITS
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

Column to be used to flag recovery values

FORM II 8081/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9112754.D

Lab ID: LCS 240-65900/10-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	0.500	0.476	95	25-150	
4,4'-DDE	0.500	0.469	94	35-140	
4,4'-DDT	0.500	0.426	85	45-140	
Aldrin	0.500	0.495	99	25-140	
alpha-BHC	0.500	0.543	109	60-130	
alpha-Chlordane	0.500	0.482	96	65-125	
beta-BHC	0.500	0.548	110	65-125	
delta-BHC	0.500	0.532	106	45-135	
Dieldrin	0.500	0.490	98	60-130	
Endosulfan I	0.500	0.353	71	50-110	
Endosulfan II	0.500	0.382	76	30-130	
Endosulfan sulfate	0.500	0.483	97	55-135	
Endrin	0.500	0.424	85	55-135	
Endrin aldehyde	0.500	0.375	75	55-135	
Endrin ketone	0.500	0.414	83	75-125	
gamma-BHC (Lindane)	0.500	0.490	98	25-135	
gamma-Chlordane	0.500	0.501	100	60-125	
Heptachlor	0.500	0.366	73	40-130	
Heptachlor epoxide	0.500	0.501	100	60-130	
Methoxychlor	0.500	0.392	78	55-150	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9112718.D

Lab ID: MRL 240-66500/18 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00526	105	70-130	
4,4'-DDD	0.00500	0.00553	111	70-130	
4,4'-DDE	0.00500	0.00524	105	70-130	
4,4'-DDE	0.00500	0.00540	108	70-130	
4,4'-DDT	0.00500	0.00507	101	70-130	
4,4'-DDT	0.00500	0.00525	105	70-130	
Aldrin	0.00500	0.00539	108	70-130	
Aldrin	0.00500	0.00544	109	70-130	
alpha-BHC	0.00500	0.00519	104	70-130	
alpha-BHC	0.00500	0.00489 J	98	70-130	
alpha-Chlordane	0.00500	0.00551	110	70-130	
alpha-Chlordane	0.00500	0.00572	114	70-130	
beta-BHC	0.00500	0.00573	115	70-130	
beta-BHC	0.00500	0.00600	120	70-130	
delta-BHC	0.00500	0.00523	105	70-130	
delta-BHC	0.00500	0.00513	103	70-130	
Dieldrin	0.00500	0.00537	107	70-130	
Dieldrin	0.00500	0.00566	113	70-130	
Endosulfan I	0.00500	0.00567	113	70-130	
Endosulfan I	0.00500	0.00594	119	70-130	
Endosulfan II	0.00500	0.00564	113	70-130	
Endosulfan II	0.00500	0.00553	111	70-130	
Endosulfan sulfate	0.00500	0.00563	113	70-130	
Endosulfan sulfate	0.00500	0.00558	112	70-130	
Endrin	0.00500	0.00563	113	70-130	
Endrin	0.00500	0.00567	113	70-130	
Endrin aldehyde	0.00500	0.00557	111	70-130	
Endrin aldehyde	0.00500	0.00590	118	70-130	
Endrin ketone	0.00500	0.00559	112	70-130	
Endrin ketone	0.00500	0.00556	111	70-130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70-130	
gamma-BHC (Lindane)	0.00500	0.00534	107	70-130	
gamma-Chlordane	0.00500	0.00546	109	70-130	
gamma-Chlordane	0.00500	0.00555	111	70-130	
Heptachlor	0.00500	0.00566	113	70-130	
Heptachlor	0.00500	0.00585	117	70-130	
Heptachlor epoxide	0.00500	0.00561	112	70-130	
Heptachlor epoxide	0.00500	0.00577	115	70-130	
Methoxychlor	0.00500	0.00551 J	110	70-130	
Methoxychlor	0.00500	0.00557 J	111	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P9112756.D

Lab ID: MRL 240-66500/56 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
4,4'-DDD	0.00500	0.00578	116	70-130	
4,4'-DDD	0.00500	0.00575	115	70-130	
4,4'-DDE	0.00500	0.00608	122	70-130	
4,4'-DDE	0.00500	0.00593	119	70-130	
4,4'-DDT	0.00500	0.00510	102	70-130	
4,4'-DDT	0.00500	0.00514	103	70-130	
Aldrin	0.00500	0.00666	133	70-130	^
Aldrin	0.00500	0.00657	131	70-130	^
alpha-BHC	0.00500	0.00640	128	70-130	
alpha-BHC	0.00500	0.00591	118	70-130	
alpha-Chlordane	0.00500	0.00636	127	70-130	
alpha-Chlordane	0.00500	0.00631	126	70-130	
beta-BHC	0.00500	0.00652	130	70-130	
beta-BHC	0.00500	0.00667	133	70-130	^
delta-BHC	0.00500	0.00596	119	70-130	
delta-BHC	0.00500	0.00566	113	70-130	
Dieldrin	0.00500	0.00605	121	70-130	
Dieldrin	0.00500	0.00606	121	70-130	
Endosulfan I	0.00500	0.00611	122	70-130	
Endosulfan I	0.00500	0.00611	122	70-130	
Endosulfan II	0.00500	0.00597	119	70-130	
Endosulfan II	0.00500	0.00575	115	70-130	
Endosulfan sulfate	0.00500	0.00629	126	70-130	
Endosulfan sulfate	0.00500	0.00599	120	70-130	
Endrin	0.00500	0.00582	116	70-130	
Endrin	0.00500	0.00564	113	70-130	
Endrin aldehyde	0.00500	0.00582	116	70-130	
Endrin aldehyde	0.00500	0.00586	117	70-130	
Endrin ketone	0.00500	0.00611	122	70-130	
Endrin ketone	0.00500	0.00580	116	70-130	
gamma-BHC (Lindane)	0.00500	0.00607	121	70-130	
gamma-BHC (Lindane)	0.00500	0.00579	116	70-130	
gamma-Chlordane	0.00500	0.00626	125	70-130	
gamma-Chlordane	0.00500	0.00623	125	70-130	
Heptachlor	0.00500	0.00570	114	70-130	
Heptachlor	0.00500	0.00576	115	70-130	
Heptachlor epoxide	0.00500	0.00633	127	70-130	
Heptachlor epoxide	0.00500	0.00635	127	70-130	
Methoxychlor	0.00500	0.00591 J	118	70-130	
Methoxychlor	0.00500	0.00580 J	116	70-130	

Column to be used to flag recovery and RPD values

FORM III 8081/DOD

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: MB 240-65900/9-A

Matrix: Water Date Extracted: 11/21/2012 09:52

Lab File ID:(1) P9112740.D Lab File ID:(2) P9112740.D

Date Analyzed:(1) 11/28/2012 19:47 Date Analyzed:(2) 11/28/2012 19:47

Instrument ID:(1) A2HP9 Instrument ID:(2) A2HP9

GC Column:(1) CLP-1 ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
076-0067-0001-ER	240-17796-20	11/28/2012 19:19	11/28/2012 19:19
	LCS 240-65900/10-A	11/29/2012 02:08	11/29/2012 02:08

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: STD 240-66500/7 Date Analyzed: 11/28/2012 04:47

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P9112707.D Heated Purge: (Y/N) N

Calibration ID: 12530

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				3.54	12.86	
UPPER LIMIT				3.57	12.89	
LOWER LIMIT				3.51	12.83	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD 240-66500/7 ICRT		11/28/2012 04:47	P9112707.D	3.54	12.86	
PEM 240-66500/29		11/28/2012 14:40	P9112729.D	3.54		
CCV 240-66500/30		11/28/2012 15:08	P9112730.D	3.54	12.86	
240-17796-20	076-0067-0001-ER	11/28/2012 19:19	P9112739.D	3.54	12.86	
MB 240-65900/9-A		11/28/2012 19:47	P9112740.D	3.54	12.86	
CCV 240-66500/41		11/28/2012 20:15	P9112741.D	3.54	12.86	
CCV 240-66500/53		11/29/2012 01:41	P9112753.D	3.54	12.86	
LCS 240-65900/10-A		11/29/2012 02:08	P9112754.D	3.54	12.86	
CCV 240-66500/55		11/29/2012 02:36	P9112755.D	3.54	12.86	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: STD 240-66500/7 Date Analyzed: 11/28/2012 04:47

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P9112707.D Heated Purge: (Y/N) N

Calibration ID: 12531

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				4.14	14.33	
UPPER LIMIT				4.17	14.36	
LOWER LIMIT				4.11	14.30	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD 240-66500/7 ICRT		11/28/2012 04:47	P9112707.D	4.14	14.33	
PEM 240-66500/29		11/28/2012 14:40	P9112729.D	4.14		
CCV 240-66500/30		11/28/2012 15:08	P9112730.D	4.14	14.33	
240-17796-20	076-0067-0001-ER	11/28/2012 19:19	P9112739.D	4.14	14.32	
MB 240-65900/9-A		11/28/2012 19:47	P9112740.D	4.14	14.32	
CCV 240-66500/41		11/28/2012 20:15	P9112741.D	4.14	14.32	
CCV 240-66500/53		11/29/2012 01:41	P9112753.D	4.14	14.32	
LCS 240-65900/10-A		11/29/2012 02:08	P9112754.D	4.14	14.32	
CCV 240-66500/55		11/29/2012 02:36	P9112755.D	4.14	14.32	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-65900/10-A

Instrument ID (1): A2HP9 Instrument ID (2): A2HP9

Date Analyzed (1): 11/29/2012 02:08 Date Analyzed (2): 11/29/2012 02:08

GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.22	4.19	4.25	0.521		4.1
	2		4.98	4.95	5.01	0.543		
gamma-BHC (Lindane)	1		4.60	4.58	4.64	0.499		1.8
	2		5.55	5.52	5.58	0.490		
beta-BHC	1		4.74	4.71	4.77	0.492		10.9
	2		5.73	5.70	5.76	0.548		
delta-BHC	1		4.96	4.93	4.99	0.520		2.3
	2		6.29	6.26	6.32	0.532		
Heptachlor	1		5.24	5.21	5.28	0.387		5.6
	2		6.39	6.36	6.43	0.366		
Aldrin	1		5.70	5.67	5.73	0.484		2.4
	2		7.13	7.10	7.16	0.495		
Heptachlor epoxide	1		6.96	6.93	6.99	0.508		1.5
	2		8.61	8.58	8.64	0.501		
gamma-Chlordane	1		7.28	7.24	7.30	0.515		2.9
	2		9.03	9.00	9.06	0.501		
alpha-Chlordane	1		7.63	7.59	7.65	0.494		2.4
	2		9.33	9.30	9.36	0.482		
Endosulfan I	1		7.90	7.87	7.93	0.368		4.3
	2		9.40	9.37	9.43	0.353		
4,4'-DDE	1		8.00	7.97	8.03	0.468		0.1
	2		9.79	9.76	9.82	0.469		
Dieldrin	1		8.46	8.42	8.48	0.505		3.1
	2		9.93	9.90	9.96	0.490		
Endrin	1		8.91	8.88	8.94	0.429		1.4
	2		10.45	10.41	10.47	0.424		
4,4'-DDD	1		9.26	9.23	9.29	0.476		13.9
	2		10.81	10.78	10.84	0.415		
Endosulfan II	1		9.35	9.32	9.38	0.382		8.2
	2		10.81	10.78	10.84	0.415		
4,4'-DDT	1		9.78	9.75	9.81	0.436		2.3
	2		11.29	11.26	11.32	0.426		
Endrin aldehyde	1		10.14	10.11	10.17	0.390		4.1
	2		11.38	11.35	11.41	0.375		
Methoxychlor	1		10.72	10.69	10.75	0.431		9.5
	2		12.36	12.34	12.40	0.392		
Endosulfan sulfate	1		10.86	10.83	10.89	0.476		1.4
	2		11.81	11.78	11.84	0.483		
Endrin ketone	1		11.26	11.23	11.29	0.415		0.3
	2		12.55	12.52	12.58	0.414		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER Lab Sample ID: 240-17796-20

Matrix: Water Lab File ID: P9112739.D

Analysis Method: 8081/DOD Date Collected: 11/15/2012 13:00

Extraction Method: 3520C Date Extracted: 11/21/2012 09:52

Sample wt/vol: 1040(mL) Date Analyzed: 11/28/2012 19:19

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	76		30-135
877-09-8	Tetrachloro-m-xylene	83		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112739.D		
Lims ID:	240-17796-D-20-B	Client ID:	076-0067-0001-ER
Inject. Date:	28-Nov-2012 19:19:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015316-039		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	39
Lims Batch ID:	66500	Lims Sample ID:	39
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 11:21:36	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: vandorenc		Date:	29-Nov-2012 10:53:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.543	3.542	0.001	79981022	0.0331			
2	100	4.141	4.141	0.000	220157790	0.0310			
						RPD = 6.66			
5 alpha-BHC									
1	100		4.226						
2	100		4.979						
20 gamma-BHC (Lindane)									
1	100		4.606						
2	100		5.548						
7 beta-BHC									
1	100		4.739						
2	100		5.728						
11 delta-BHC									
1	100		4.957						
2	100		6.292						
22 Heptachlor									
1	100		5.244						
2	100		6.394						
4 Aldrin									
1	100		5.705						
2	100		7.131						
23 Heptachlor epoxide									
1	100		6.961						
2	100		8.606						
21 gamma-Chlordane									
1	100		7.275						
2	100		9.026						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.624						
2	100		9.336						
14 Endosulfan I									
1	100		7.898						
2	100		9.396						
2 4,4'-DDE									
1	100		7.997						
2	100		9.788						
13 Dieldrin									
1	100		8.458						
2	100		9.927						
17 Endrin									
1	100		8.909						
2	100		10.446						
1 4,4'-DDD									
1	100		9.264						
2	100		10.810						
15 Endosulfan II									
1	100		9.355						
2	100		10.810						
30 Toxaphene									
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100		9.781						
2	100		11.293						
18 Endrin aldehyde									
1	100		10.142						
2	100		11.385						
27 Methoxychlor									
1	100		10.723						
2	100		12.366						
16 Endosulfan sulfate									
1	100		10.861						
2	100		11.816						
19 Endrin ketone									
1	100		11.260						
2	100		12.552						
$ 10 DCB Decachlorobiphenyl									
1	100	12.861	12.863	-0.002	62741603		0.0304		
2	100	14.324	14.325	-0.001	135222158		0.0286		

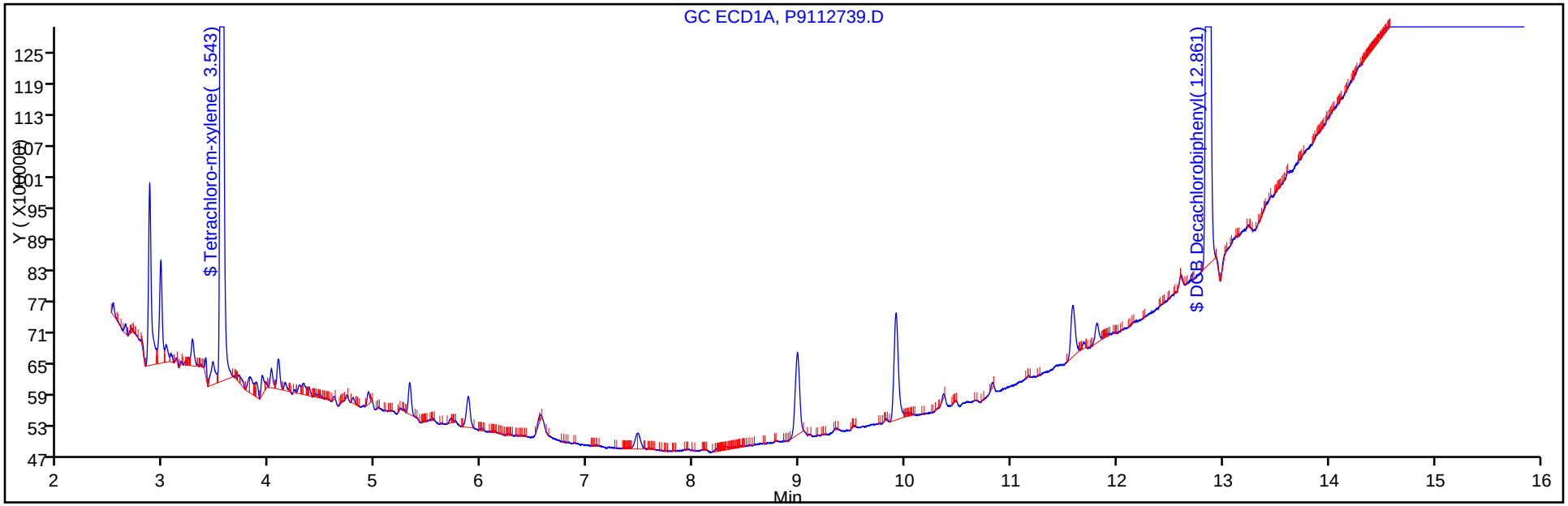
RPD = 6.29

Report Date: 29-Nov-2012 11:21:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

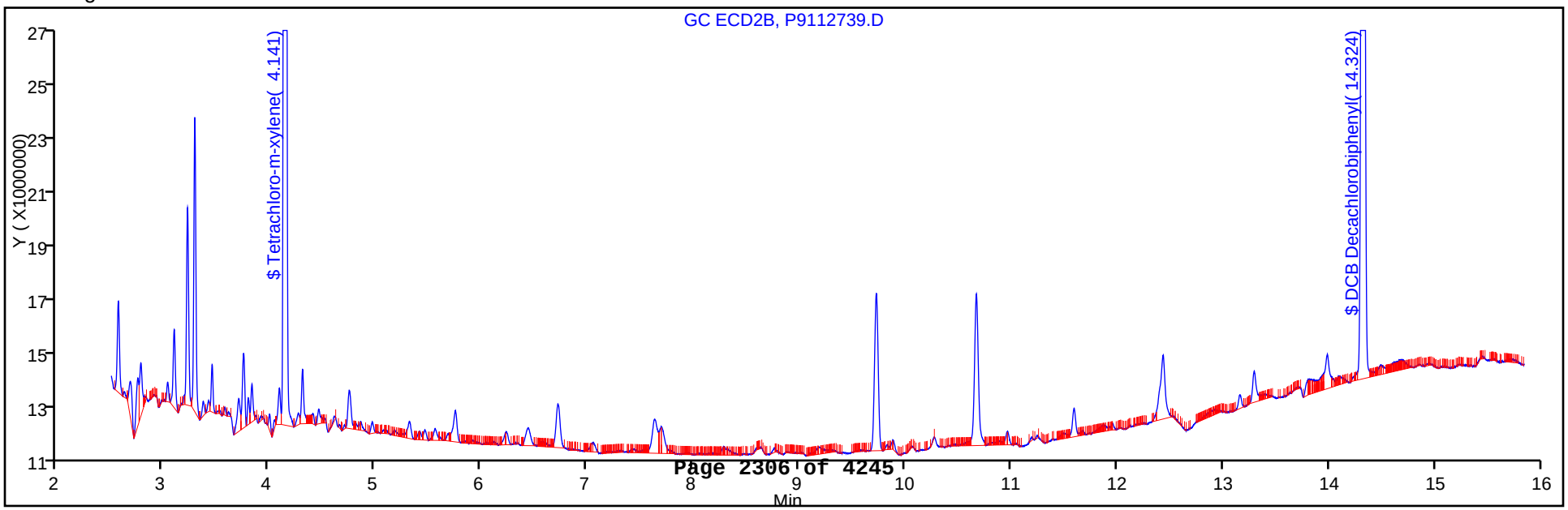
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112739.D		
Injection Date:	28-Nov-2012 19:19:46	Limit Group:	GC 8081 D0D ICAL
Client ID:	076-0067-0001-ER	Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	39
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076-0067-0001-ER | Lab Sample ID: 240-17796-20

Matrix: Water | Lab File ID: P9112739.D

Analysis Method: 8081/DOD | Date Collected: 11/15/2012 13:00

Extraction Method: 3520C | Date Extracted: 11/21/2012 09:52

Sample wt/vol: 1040(mL) | Date Analyzed: 11/28/2012 19:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.0096	U	0.048	0.0096	0.0092
72-55-9	4,4'-DDE	0.0096	U	0.048	0.0096	0.0093
50-29-3	4,4'-DDT	0.029	U	0.048	0.029	0.015
309-00-2	Aldrin	0.0096	U	0.048	0.0096	0.0079
319-84-6	alpha-BHC	0.0096	U	0.048	0.0096	0.0067
5103-71-9	alpha-Chlordane	0.013	U	0.048	0.013	0.013
319-85-7	beta-BHC	0.0096	U	0.048	0.0096	0.0081
319-86-8	delta-BHC	0.0096	U	0.048	0.0096	0.0084
60-57-1	Dieldrin	0.0096	U	0.048	0.0096	0.0072
959-98-8	Endosulfan I	0.013	U	0.048	0.013	0.013
33213-65-9	Endosulfan II	0.012	U	0.048	0.012	0.012
1031-07-8	Endosulfan sulfate	0.011	U	0.048	0.011	0.011
72-20-8	Endrin	0.011	U	0.048	0.011	0.011
7421-93-4	Endrin aldehyde	0.011	U	0.048	0.011	0.011
53494-70-5	Endrin ketone	0.0096	U	0.048	0.0096	0.0075
58-89-9	gamma-BHC (Lindane)	0.0096	U	0.048	0.0096	0.0062
5103-74-2	gamma-Chlordane	0.012	U	0.048	0.012	0.012
76-44-8	Heptachlor	0.0096	U	0.048	0.0096	0.0077
1024-57-3	Heptachlor epoxide	0.0096	U	0.048	0.0096	0.0068
72-43-5	Methoxychlor	0.031	U	0.096	0.031	0.031
8001-35-2	Toxaphene	0.48	U	1.9	0.48	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		30-135
877-09-8	Tetrachloro-m-xylene	77		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112739.D		
Lims ID:	240-17796-D-20-B	Client ID:	076-0067-0001-ER
Inject. Date:	28-Nov-2012 19:19:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	240-0015316-039		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	39
Lims Batch ID:	66500	Lims Sample ID:	39
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 11:21:36	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: vandorenc		Date:	29-Nov-2012 10:53:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.543	3.542	0.001	79981022	0.0331			
2	100	4.141	4.141	0.000	220157790	0.0310			
						RPD = 6.66			
5 alpha-BHC									
1	100		4.226						
2	100		4.979						
20 gamma-BHC (Lindane)									
1	100		4.606						
2	100		5.548						
7 beta-BHC									
1	100		4.739						
2	100		5.728						
11 delta-BHC									
1	100		4.957						
2	100		6.292						
22 Heptachlor									
1	100		5.244						
2	100		6.394						
4 Aldrin									
1	100		5.705						
2	100		7.131						
23 Heptachlor epoxide									
1	100		6.961						
2	100		8.606						
21 gamma-Chlordane									
1	100		7.275						
2	100		9.026						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
6 alpha-Chlordane									
1	100		7.624						
2	100		9.336						
14 Endosulfan I									
1	100		7.898						
2	100		9.396						
2 4,4'-DDE									
1	100		7.997						
2	100		9.788						
13 Dieldrin									
1	100		8.458						
2	100		9.927						
17 Endrin									
1	100		8.909						
2	100		10.446						
1 4,4'-DDD									
1	100		9.264						
2	100		10.810						
15 Endosulfan II									
1	100		9.355						
2	100		10.810						
30 Toxaphene									
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100		9.781						
2	100		11.293						
18 Endrin aldehyde									
1	100		10.142						
2	100		11.385						
27 Methoxychlor									
1	100		10.723						
2	100		12.366						
16 Endosulfan sulfate									
1	100		10.861						
2	100		11.816						
19 Endrin ketone									
1	100		11.260						
2	100		12.552						
$ 10 DCB Decachlorobiphenyl									
1	100	12.861	12.863	-0.002	62741603	0.0304			
2	100	14.324	14.325	-0.001	135222158	0.0286			

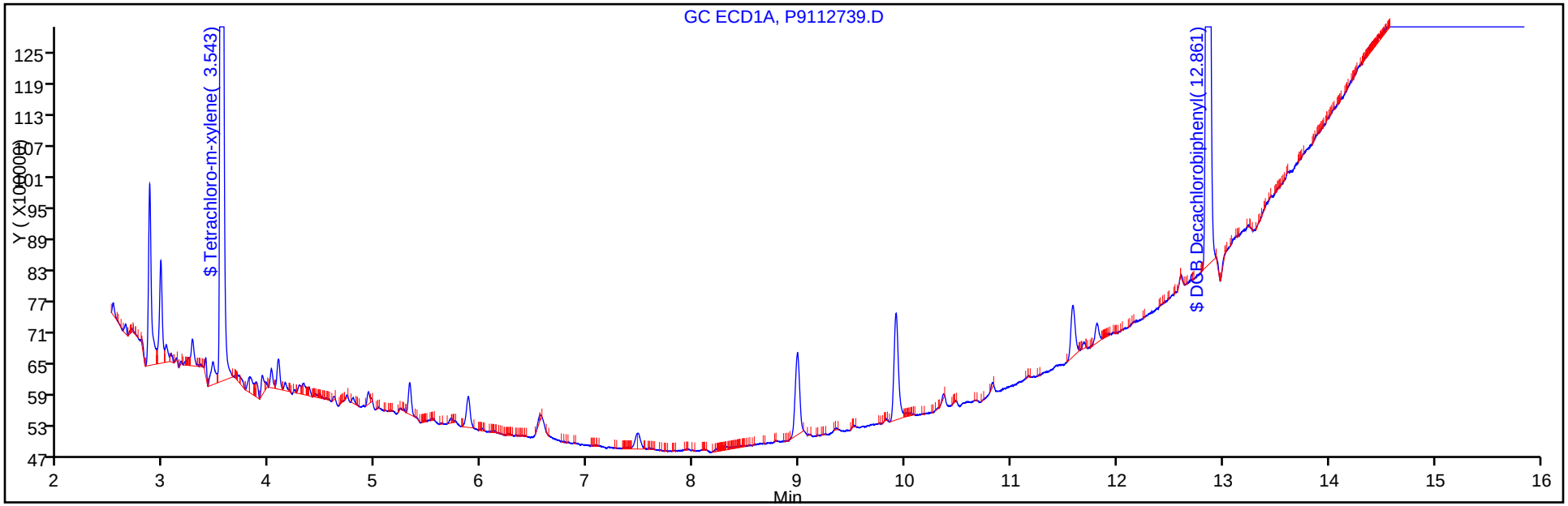
RPD = 6.29

Report Date: 29-Nov-2012 11:21:45 Chrom Revision: 2.0 27-Nov-2012 13:14:12

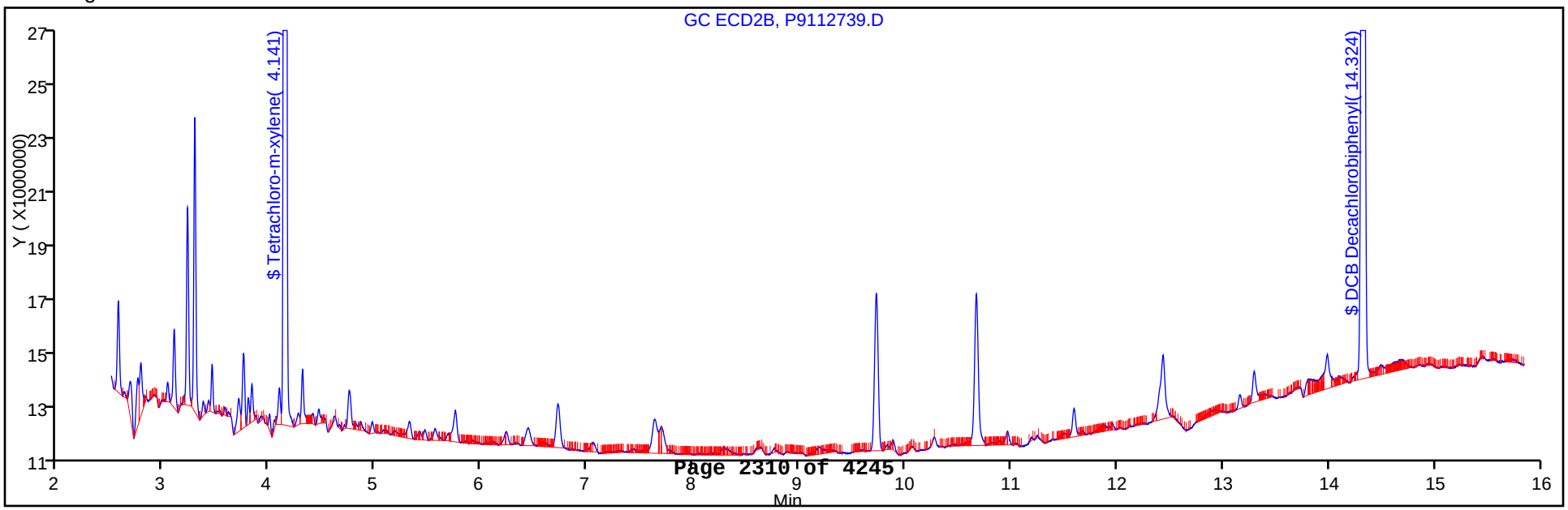
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112739.D		
Injection Date:	28-Nov-2012 19:19:46	Limit Group:	GC 8081 D0D ICAL
Client ID:	076-0067-0001-ER	Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	39
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.226	4.224	4.225	4.224	4.218	4.225					4.195 - 4.255	4.224
gamma-BHC (Lindane)	4.606	4.605	4.605	4.604	4.597	4.604					4.575 - 4.635	4.604
beta-BHC	4.739	4.738	4.739	4.737	4.729	4.737					4.709 - 4.769	4.737
delta-BHC	4.958	4.957	4.957	4.955	4.948	4.955					4.927 - 4.987	4.955
Heptachlor	5.245	5.243	5.243	5.241	5.233	5.243					5.208 - 5.278	5.241
Aldrin	5.705	5.704	5.705	5.702	5.693	5.703					5.675 - 5.735	5.702
Heptachlor epoxide	6.962	6.961	6.961	6.957	6.946	6.959					6.931 - 6.991	6.958
gamma-Chlordane	7.277	7.274	7.275	7.270	7.257	7.270					7.245 - 7.305	7.271
alpha-Chlordane	7.625	7.625	7.623	7.619	7.606	7.621					7.593 - 7.653	7.620
Endosulfan I	7.898	7.899	7.896	7.894	7.883	7.895					7.866 - 7.926	7.894
4,4'-DDE	7.997	7.997	7.995	7.991	7.981	7.994					7.965 - 8.025	7.993
Dieldrin	8.456	8.458	8.455	8.452	8.442	8.452					8.425 - 8.485	8.453
Endrin	8.909	8.908	8.908	8.905	8.896	8.905					8.878 - 8.938	8.905
4,4'-DDD	9.264	9.266	9.263	9.259	9.253	9.260					9.233 - 9.293	9.261
Endosulfan II	9.354	9.354	9.353	9.352	9.343	9.352					9.323 - 9.383	9.351
4,4'-DDT	9.781	9.781	9.781	9.779	9.772	9.778					9.751 - 9.811	9.779
Endrin aldehyde	10.142	10.143	10.142	10.139	10.133	10.140					10.112 - 10.172	10.140
Methoxychlor	10.722	10.723	10.723	10.720	10.713	10.721					10.693 - 10.753	10.720
Endosulfan sulfate	10.862	10.862	10.860	10.859	10.853	10.860					10.830 - 10.890	10.859
Endrin ketone	11.261	11.262	11.260	11.258	11.254	11.259					11.230 - 11.290	11.259
Tetrachloro-m-xylene	3.542	3.542	3.542	3.540	3.535	3.541					3.512 - 3.572	3.540
DCB Decachlorobiphenyl	12.862	12.863	12.862	12.860	12.857	12.860					12.832 - 12.892	12.861

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	3072220800 3212940100	2719427900 3229881950	3412602720	3364929820	Ave		3168667215				7.9		20.0			
gamma-BHC (Lindane)	2641938200 2681054360	2301550400 2739367525	2962696680	2850830720	Ave		2696239648				8.4		20.0			
beta-BHC	1257401200 1142258930	1078473500 1160220790	1298659760	1215690380	Ave		1192117427				6.8		20.0			
delta-BHC	2387515400 2706049400	2117194500 2806590090	2828055160	2714859740	Ave		2593377382				11.0		20.0			
Heptachlor	2442415800 2375001620	2176665200 2361760795	2712120040	2553614980	Ave		2436929739				7.5		20.0			
Aldrin	3093402800 2946648320	2646259900 2903385890	3163233320	3049391520	Ave		2967053625				6.2		20.0			
Heptachlor epoxide	2567844000 2404021050	2231148000 2335065520	2704225640	2549536580	Ave		2465306798				7.0		20.0			
gamma-Chlordane	2643121600 2627853550	2333339600 2664229970	2863156040	2722167000	Ave		2642311293				6.6		20.0			
alpha-Chlordane	2790048000 2657673510	2423464800 2701470735	2939086360	2768776140	Ave		2713419924				6.3		20.0			
Endosulfan I	2413748200 2253517730	2131998900 2208633430	2588237680	2377952920	Ave		2329014810				7.1		20.0			
4,4'-DDE	3001152000 2879445290	2641545900 2868532060	3104477720	2872137700	Ave		2894548445				5.4		20.0			
Dieldrin	2453545400 2387691230	2181183300 2372876085	2658307720	2522409020	Ave		2429335459				6.6		20.0			
Endrin	2308823200 2193296060	2025983500 2109659200	2491992000	2270108680	Ave		2233310440				7.3		20.0			
4,4'-DDD	1771743200 1790410640	1581212000 1822341980	1981026320	1804697000	Ave		1791905190				7.1		20.0			
Endosulfan II	2168075000 2054054990	1959925700 2046053955	2389888360	2106677020	Ave		2120779171				7.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	1232040800 1465240840	1142102700 1610623455	1587218120	1483771480	Ave		1420166233				13.0		20.0			
Endrin aldehyde	1625267000 1532746040	1408187400 1527263480	1747653040	1605270240	Ave		1574397867				7.2		20.0			
Methoxychlor	653869400 663685960	601077200 687448875	770294760	701956600	Ave		679722133				8.3		20.0			
Endosulfan sulfate	1755246600 1678367710	1537196500 1721832225	1909657920	1760611460	Ave		1727152069				7.0		20.0			
Endrin ketone	1940995400 1812366440	1708912500 1860451370	2091163160	1943029720	Ave		1892819765				6.9		20.0			
Tetrachloro-m-xylene	2682951400 2330432890	2271317100 2266516475	2537401360	2406166000	Ave		2415797538				6.8		20.0			
DCB Decachlorobiphenyl	2146663000 2004498990	1877941400 2028925165	2188394680	2124339680	Ave		2061793819				5.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	15361104 645976390	27194279	85315068	168246491	321294010	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	13209691 547873505	23015504	74067417	142541536	268105436	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	6287006 232044158	10784735	32466494	60784519	114225893	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	11937577 561318018	21171945	70701379	135742987	270604940	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	12212079 472352159	21766652	67803001	127680749	237500162	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	15467014 580677178	26462599	79080833	152469576	294664832	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	12839220 467013104	22311480	67605641	127476829	240402105	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	13215608 532845994	23333396	71578901	136108350	262785355	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	13950240 540294147	24234648	73477159	138438807	265767351	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	12068741 441726686	21319989	64705942	118897646	225351773	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	15005760 573706412	26415459	77611943	143606885	287944529	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	12267727 474575217	21811833	66457693	126120451	238769123	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	11544116 421931840	20259835	62299800	113505434	219329606	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	8858716 364468396	15812120	49525658	90234850	179041064	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	10840375 409210791	19599257	59747209	105333851	205405499	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	6160204 322124691	11421027	39680453	74188574	146524084	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12530

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	8126335 305452696	14081874	43691326	80263512	153274604	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	3269347 137489775	6010772	19257369	35097830	66368596	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	8776233 344366445	15371965	47741448	88030573	167836771	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	9704977 372090274	17089125	52279079	97151486	181236644	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	13414757 453303295	22713171	63435034	120308300	233043289	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	10733315 405785033	18779414	54709867	106216984	200449899	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112705.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 28-Nov-2012 03:51:54 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015316-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 66500 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:04 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	13414757	0.005553			
2	100	4.142	4.140	0.002	38477558	0.005413			
						RPD = 2.55			
5 alpha-BHC									
1	100	4.226	4.225	0.001	15361104	0.004848			
2	100	4.979	4.978	0.001	45880922	0.004616			
						RPD = 4.90			
20 gamma-BHC (Lindane)									
1	100	4.606	4.605	0.001	13209691	0.004899			
2	100	5.548	5.547	0.001	40744044	0.004913			
						RPD = 0.27			
7 beta-BHC									
1	100	4.739	4.739	0.000	6287006	0.005274			
2	100	5.728	5.726	0.002	20050606	0.005561			
						RPD = 5.30			
11 delta-BHC									
1	100	4.958	4.957	0.001	11937577	0.004603			
2	100	6.293	6.292	0.001	35683273	0.004510			
						RPD = 2.05			
22 Heptachlor									
1	100	5.245	5.243	0.002	12212079	0.005011			
2	100	6.394	6.394	0.000	38150625	0.005343			
						RPD = 6.40			
4 Aldrin									
1	100	5.705	5.705	0.000	15467014	0.005213			
2	100	7.132	7.130	0.002	43134430	0.005251			
						RPD = 0.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.962	6.961	0.001	12839220	0.005208			
2	100	8.606	8.603	0.003	36415112	0.005330			
						RPD = 2.32			
21 gamma-Chlordane									
1	100	7.277	7.275	0.002	13215608	0.005002			
2	100	9.027	9.024	0.003	36214483	0.005197			
						RPD = 3.83			
6 alpha-Chlordane									
1	100	7.625	7.623	0.002	13950240	0.005141			
2	100	9.335	9.334	0.001	37508878	0.005330			
						RPD = 3.60			
14 Endosulfan I									
1	100	7.898	7.896	0.002	12068741	0.005182			
2	100	9.396	9.396	0.000	31231668	0.005422			
						RPD = 4.54			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	15005760	0.005184			
2	100	9.787	9.785	0.002	38625674	0.005359			
						RPD = 3.33			
13 Dieldrin									
1	100	8.456	8.455	0.001	12267727	0.005050			
2	100	9.927	9.926	0.001	33112252	0.005241			
						RPD = 3.72			
17 Endrin									
1	100	8.909	8.908	0.001	11544116	0.005169			
2	100	10.447	10.445	0.002	30199271	0.005190			
						RPD = 0.41			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	8858716	0.004944			
2	100	10.812	10.810	0.002	50094640	0.005107			
						RPD = 3.24			
15 Endosulfan II									
1	100	9.354	9.353	0.001	10840375	0.005112			
2	100	10.812	10.810	0.002	50094640	0.005107			
						RPD = 0.09			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	6160204	0.004338			
2	100	11.292	11.292	0.000	14759503	0.004433			
						RPD = 2.17			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	8126335	0.005162			
2	100	11.384	11.383	0.001	20382540	0.005328			
						RPD = 3.17			
27 Methoxychlor									
1	100	10.722	10.723	-0.001	3269347	0.004810			
2	100	12.365	12.365	0.000	7963930	0.004791			
						RPD = 0.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	8776233	0.005081			
2	100	11.814	11.815	-0.001	21599739	0.005007			
						RPD = 1.48			
19 Endrin ketone									
1	100	11.261	11.260	0.001	9704977	0.005127			
2	100	12.552	12.552	0.000	22252726	0.005076			
						RPD = 1.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	10733315	0.005206			
2	100	14.325	14.325	0.000	25562349	0.005402			
						RPD = 3.70			

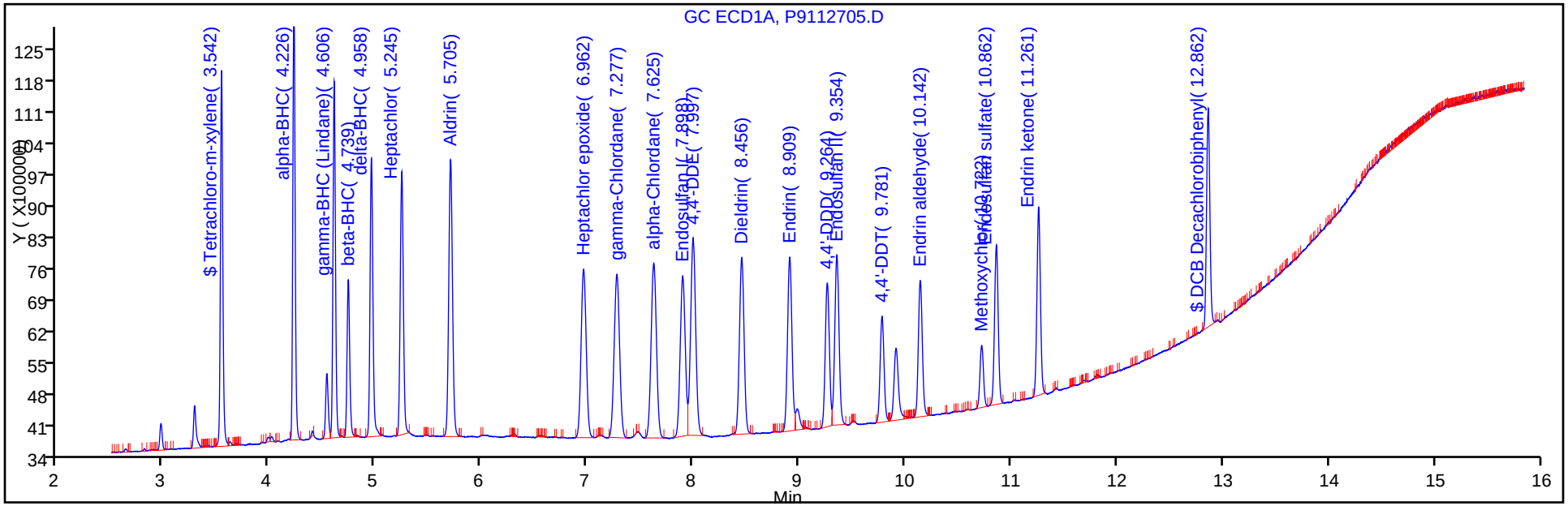
Report Date: 29-Nov-2012 09:55:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

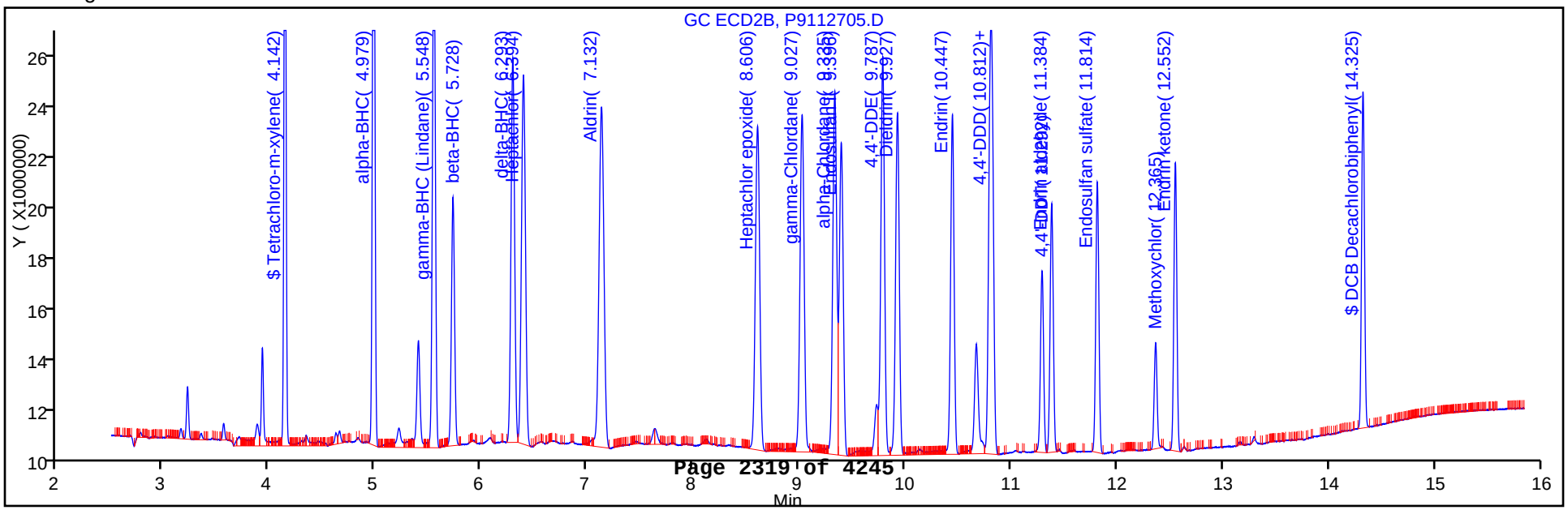
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112705.D

Injection Date:	28-Nov-2012 03:51:54	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112706.D		
Lims ID:	STD AB L2	Client ID:	
Inject. Date:	28-Nov-2012 04:19:44	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015316-006		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	66500	Lims Sample ID:	6
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:06	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	22713171	0.009402			
2	100	4.141	4.140	0.001	64500423	0.009074			
						RPD = 3.54			
5 alpha-BHC									
1	100	4.224	4.225	-0.001	27194279	0.008582			
2	100	4.978	4.978	0.000	79808037	0.008029			
						RPD = 6.66			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	23015504	0.008536			
2	100	5.547	5.547	0.000	69180692	0.008341			
						RPD = 2.31			
7 beta-BHC									
1	100	4.738	4.739	-0.001	10784735	0.009047			
2	100	5.727	5.726	0.001	33394176	0.009262			
						RPD = 2.35			
11 delta-BHC									
1	100	4.957	4.957	0.000	21171945	0.008164			
2	100	6.292	6.292	0.000	63020479	0.007964			
						RPD = 2.47			
22 Heptachlor									
1	100	5.243	5.243	0.000	21766652	0.008932			
2	100	6.393	6.394	-0.001	64162690	0.008985			
						RPD = 0.60			
4 Aldrin									
1	100	5.704	5.705	-0.001	26462599	0.008919			
2	100	7.131	7.130	0.001	73080461	0.008896			
						RPD = 0.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	22311480	0.009050			
2	100	8.604	8.603	0.001	62217069	0.009107			
						RPD = 0.63			
21 gamma-Chlordane									
1	100	7.274	7.275	-0.001	23333396	0.008831			
2	100	9.024	9.024	0.000	61170902	0.008778			
						RPD = 0.60			
6 alpha-Chlordane									
1	100	7.625	7.623	0.002	24234648	0.008931			
2	100	9.334	9.334	0.000	62806867	0.008924			
						RPD = 0.08			
14 Endosulfan I									
1	100	7.899	7.896	0.003	21319989	0.009154			
2	100	9.396	9.396	0.000	52805057	0.009168			
						RPD = 0.15			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	26415459	0.009126			
2	100	9.787	9.785	0.002	63738283	0.008844			
						RPD = 3.14			
13 Dieldrin									
1	100	8.458	8.455	0.003	21811833	0.008979			
2	100	9.927	9.926	0.001	55758987	0.008826			
						RPD = 1.71			
17 Endrin									
1	100	8.908	8.908	0.000	20259835	0.009072			
2	100	10.445	10.445	0.000	51637931	0.008875			
						RPD = 2.20			
1 4,4'-DDD									
1	100	9.266	9.263	0.003	15812120	0.008824			
2	100	10.812	10.810	0.002	85792995	0.008746			
						RPD = 0.89			
15 Endosulfan II									
1	100	9.354	9.353	0.001	19599257	0.009242			
2	100	10.812	10.810	0.002	85792995	0.008746			
						RPD = 5.51			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	11421027	0.008042			
2	100	11.293	11.292	0.001	26815217	0.008053			
						RPD = 0.14			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	14081874	0.008944			
2	100	11.384	11.383	0.001	34825250	0.009103			
						RPD = 1.76			
27 Methoxychlor									
1	100	10.723	10.723	0.000	6010772	0.008843			
2	100	12.366	12.365	0.001	14395992	0.008661			
						RPD = 2.08			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	15371965	0.008900			
2	100	11.815	11.815	0.000	37147038	0.008610			
						RPD = 3.31			
19 Endrin ketone									
1	100	11.262	11.260	0.002	17089125	0.009028			
2	100	12.553	12.552	0.001	38398331	0.008758			
						RPD = 3.04			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.862	0.001	18779414	0.009108			
2	100	14.324	14.325	-0.001	43182097	0.009125			
						RPD = 0.19			

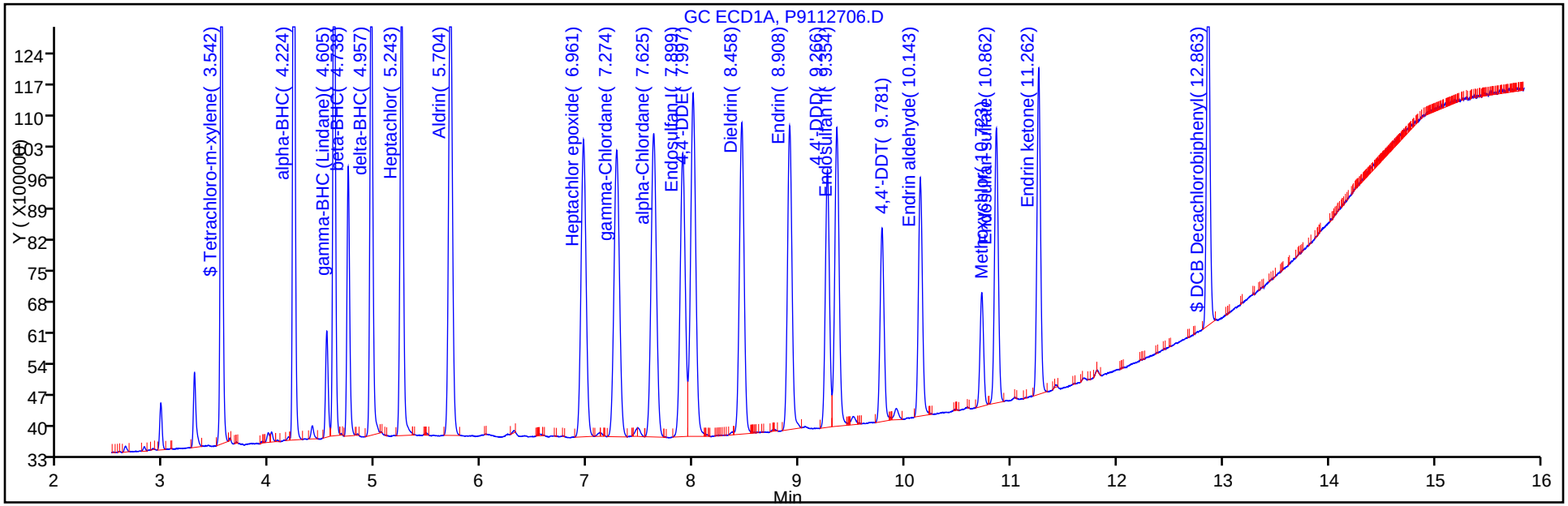
Report Date: 29-Nov-2012 09:55:07 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

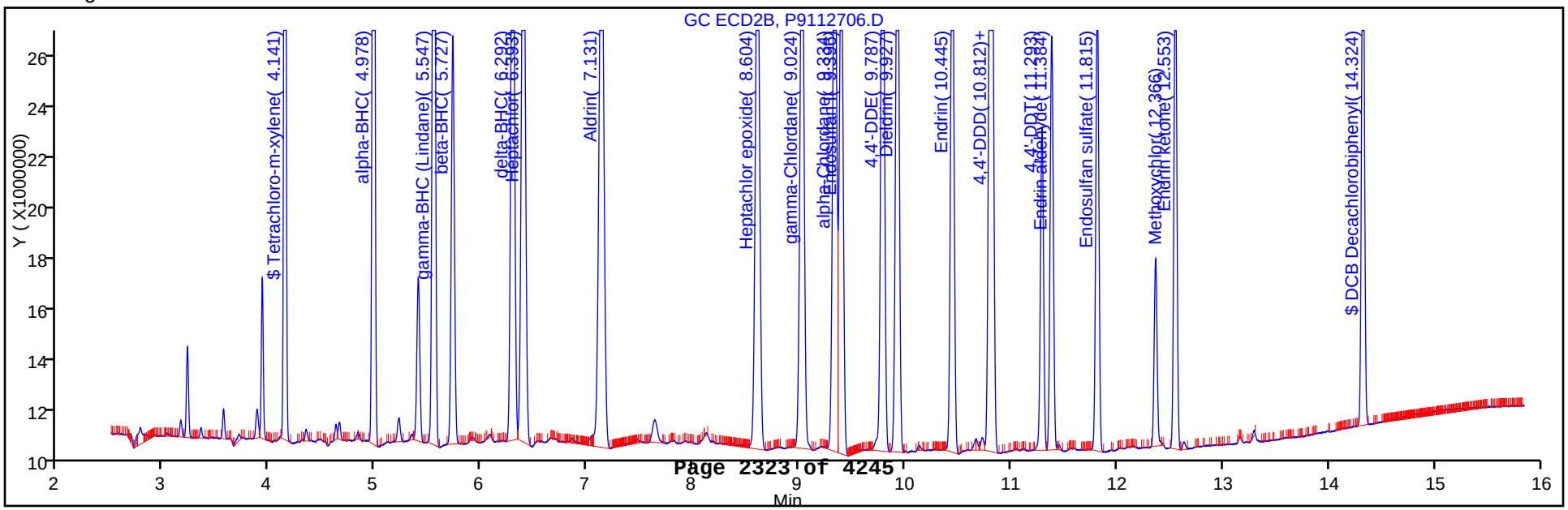
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112706.D

Injection Date:	28-Nov-2012 04:19:44	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D		
Lims ID:	STD AB L3	Client ID:	
Inject. Date:	28-Nov-2012 04:47:25	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015316-007		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	66500	Lims Sample ID:	7
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:08	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		
First Level Reviewer: vandorenc		Date:	29-Nov-2012 09:35:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	63435034	0.0263			
2	100	4.140	4.140	0.000	180187348	0.0254			
						RPD = 3.52			
5 alpha-BHC									
1	100	4.225	4.225	0.000	85315068	0.0269			
2	100	4.978	4.978	0.000	254049707	0.0256			
						RPD = 5.21			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	74067417	0.0275			
2	100	5.547	5.547	0.000	218126679	0.0263			
						RPD = 4.35			
7 beta-BHC									
1	100	4.739	4.739	0.000	32466494	0.0272			
2	100	5.726	5.726	0.000	95340345	0.0264			
						RPD = 2.95			
11 delta-BHC									
1	100	4.957	4.957	0.000	70701379	0.0273			
2	100	6.292	6.292	0.000	207159463	0.0262			
						RPD = 4.05			
22 Heptachlor									
1	100	5.243	5.243	0.000	67803001	0.0278			
2	100	6.394	6.394	0.000	192100308	0.0269			
						RPD = 3.37			
4 Aldrin									
1	100	5.705	5.705	0.000	79080833	0.0267			
2	100	7.130	7.130	0.000	212581974	0.0259			
						RPD = 2.95			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	67605641	0.0274			
2	100	8.603	8.603	0.000	181645390	0.0266			
						RPD = 3.09			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	71578901	0.0271			
2	100	9.024	9.024	0.000	184111406	0.0264			
						RPD = 2.50			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	73477159	0.0271			
2	100	9.334	9.334	0.000	185454175	0.0264			
						RPD = 2.73			
14 Endosulfan I									
1	100	7.896	7.896	0.000	64705942	0.0278			
2	100	9.396	9.396	0.000	154451497	0.0268			
						RPD = 3.54			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	77611943	0.0268			
2	100	9.785	9.785	0.000	185887305	0.0258			
						RPD = 3.88			
13 Dieldrin									
1	100	8.455	8.455	0.000	66457693	0.0274			
2	100	9.926	9.926	0.000	167524437	0.0265			
						RPD = 3.12			
17 Endrin									M
1	100	8.908	8.908	0.000	62299800	0.0279			M
2	100	10.445	10.445	0.000	157287734	0.0270			
						RPD = 3.15			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	49525658	0.0276			
2	100	10.810	10.810	0.000	263481096	0.0269			
						RPD = 2.86			
15 Endosulfan II									
1	100	9.353	9.353	0.000	59747209	0.0282			
2	100	10.810	10.810	0.000	263481096	0.0269			
						RPD = 4.77			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	39680453	0.0279			
2	100	11.292	11.292	0.000	90883351	0.0273			
						RPD = 2.34			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	43691326	0.0278			
2	100	11.383	11.383	0.000	103634534	0.0271			
						RPD = 2.42			
27 Methoxychlor									
1	100	10.723	10.723	0.000	19257369	0.0283			
2	100	12.365	12.365	0.000	44406284	0.0267			
						RPD = 5.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	47741448	0.0276			
2	100	11.815	11.815	0.000	114847519	0.0266			
						RPD = 3.76			
19 Endrin ketone									
1	100	11.260	11.260	0.000	52279079	0.0276			
2	100	12.552	12.552	0.000	117830988	0.0269			
						RPD = 2.73			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	54709867	0.0265			
2	100	14.325	14.325	0.000	120111413	0.0254			
						RPD = 4.44			

QC Flag Legend

Review Flags
M - Manually Integrated

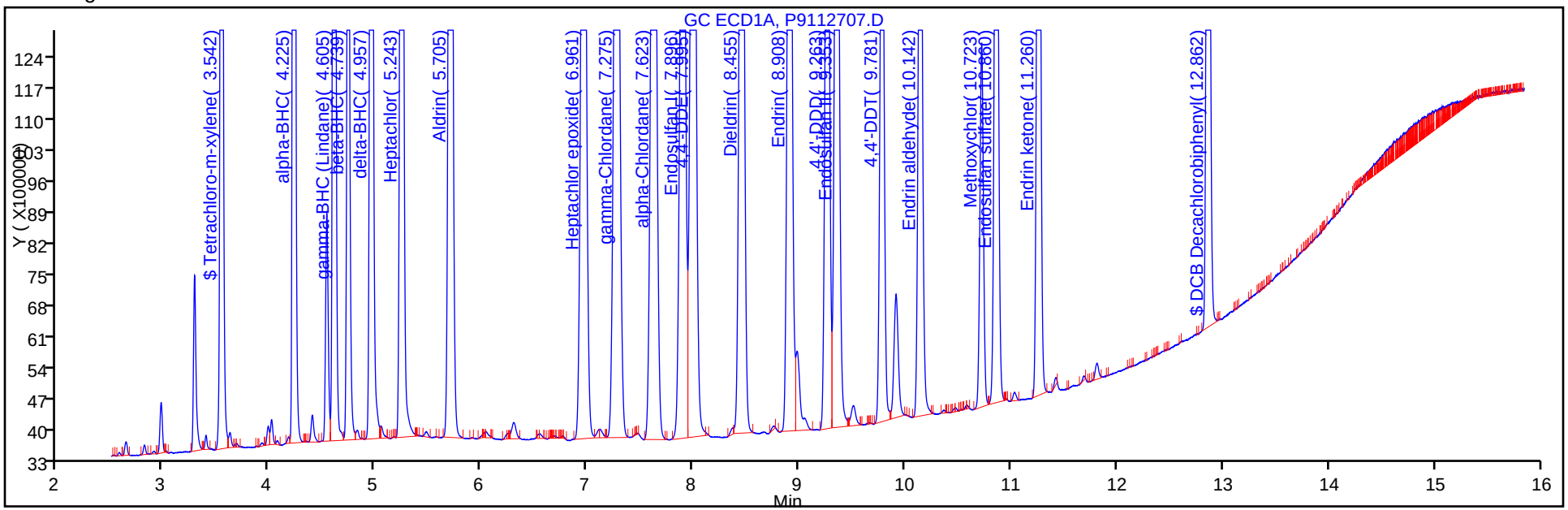
Report Date: 29-Nov-2012 09:55:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

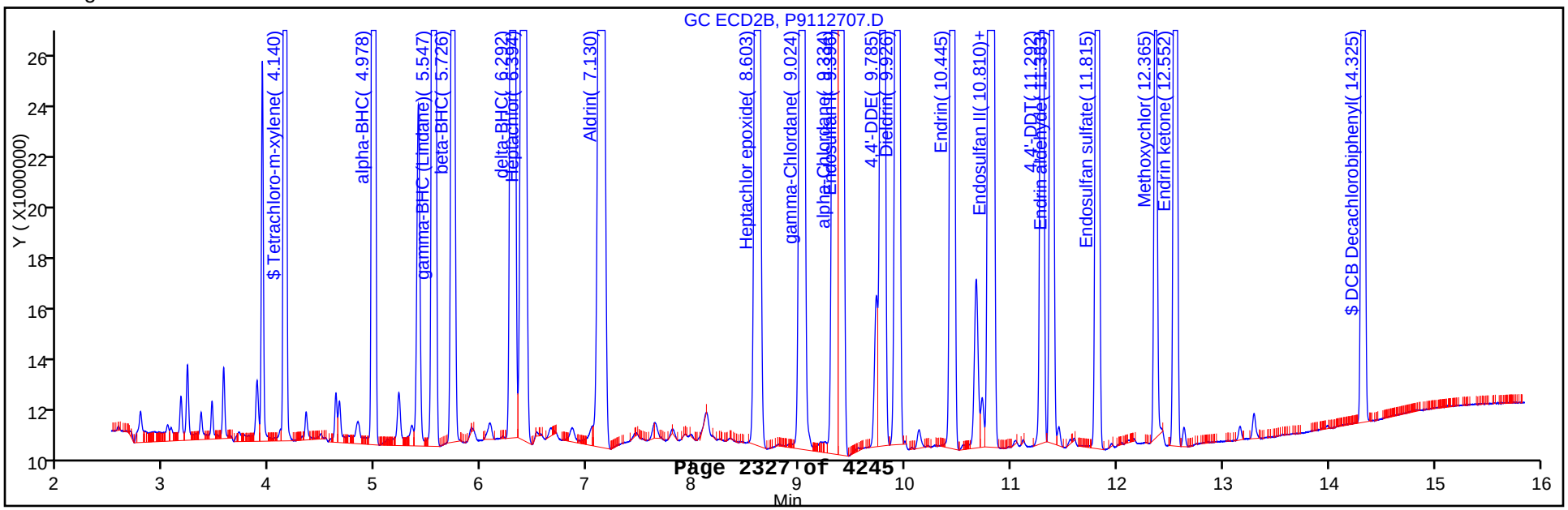
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D

Injection Date:	28-Nov-2012 04:47:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

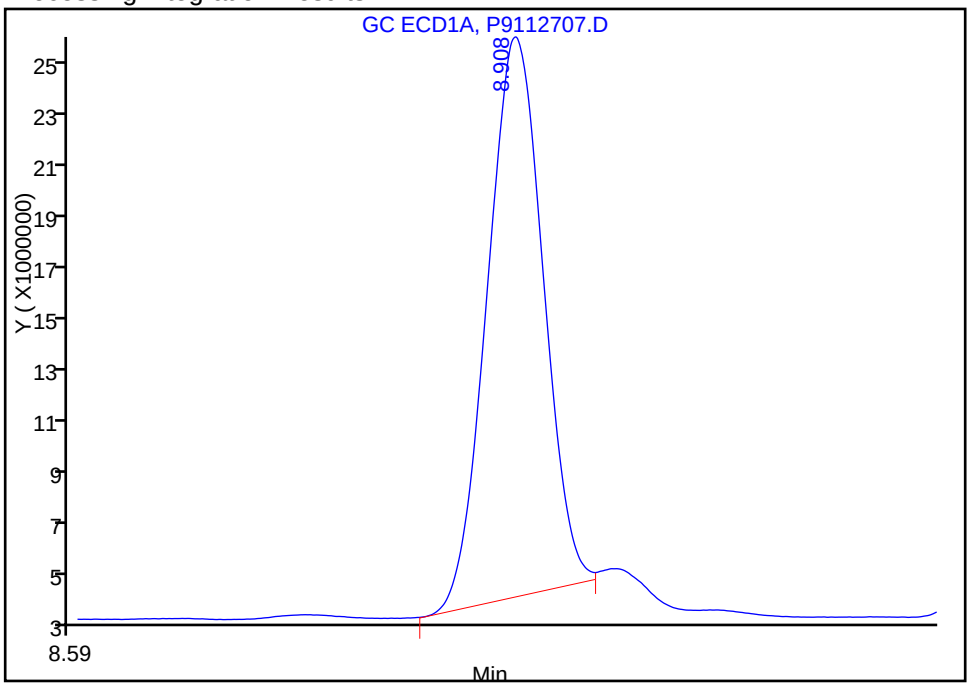
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D		
Injection Date:	28-Nov-2012 04:47:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

17 Endrin, Signal: 1, Type: quant, RT: 8.91, Det: GC ECD1A

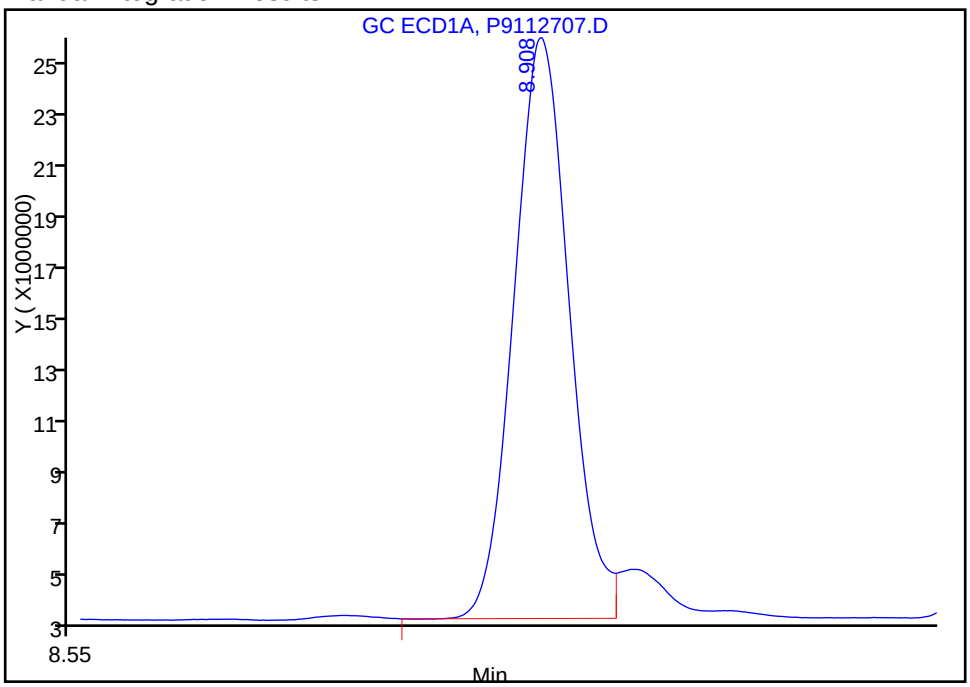
Processing Integration Results

RT: 8.91
Response: 57017849
Amount: 0.025940



Manual Integration Results

RT: 8.91
Response: 62299800
Amount: 0.027896



Reviewer: vandorenc, 29-Nov-2012 09:35:54
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112708.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 28-Nov-2012 05:11:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015316-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 66500 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.542	-0.002	120308300	0.0498			
2	100	4.141	4.140	0.001	349876507	0.0492			
						RPD = 1.17			
5 alpha-BHC									
1	100	4.224	4.225	-0.001	168246491	0.0531			
2	100	4.979	4.978	0.001	519423608	0.0523			
						RPD = 1.60			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	142541536	0.0529			
2	100	5.547	5.547	0.000	428834821	0.0517			
						RPD = 2.22			
7 beta-BHC									
1	100	4.737	4.739	-0.002	60784519	0.0510			
2	100	5.727	5.726	0.001	176468462	0.0489			
						RPD = 4.09			
11 delta-BHC									
1	100	4.955	4.957	-0.002	135742987	0.0523			
2	100	6.292	6.292	0.000	404010292	0.0511			
						RPD = 2.48			
22 Heptachlor									
1	100	5.241	5.243	-0.002	127680749	0.0524			
2	100	6.394	6.394	0.000	360935532	0.0505			
						RPD = 3.59			
4 Aldrin									
1	100	5.702	5.705	-0.003	152469576	0.0514			
2	100	7.129	7.130	-0.001	413421508	0.0503			
						RPD = 2.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.957	6.961	-0.004	127476829	0.0517			
2	100	8.603	8.603	0.000	342800046	0.0502			
						RPD = 3.01			
21 gamma-Chlordane									
1	100	7.270	7.275	-0.005	136108350	0.0515			
2	100	9.024	9.024	0.000	349561742	0.0502			
						RPD = 2.66			
6 alpha-Chlordane									
1	100	7.619	7.623	-0.004	138438807	0.0510			
2	100	9.333	9.334	-0.001	349426426	0.0496			
						RPD = 2.72			
14 Endosulfan I									
1	100	7.894	7.896	-0.002	118897646	0.0511			
2	100	9.395	9.396	-0.001	287158677	0.0499			
						RPD = 2.37			
2 4,4'-DDE									
1	100	7.991	7.995	-0.004	143606885	0.0496			
2	100	9.786	9.785	0.001	349697573	0.0485			
						RPD = 2.22			
13 Dieldrin									
1	100	8.452	8.455	-0.003	126120451	0.0519			
2	100	9.924	9.926	-0.002	319301367	0.0505			
						RPD = 2.68			
17 Endrin									
1	100	8.905	8.908	-0.003	113505434	0.0508			
2	100	10.444	10.445	-0.001	293523164	0.0504			
						RPD = 0.75			
1 4,4'-DDD									
1	100	9.259	9.263	-0.004	90234850	0.0504			
2	100	10.810	10.810	0.000	495476407	0.0505			
						RPD = 0.30			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	105333851	0.0497			
2	100	10.810	10.810	0.000	495476407	0.0505			
						RPD = 1.68			
3 4,4'-DDT									
1	100	9.779	9.781	-0.002	74188574	0.0522			
2	100	11.291	11.292	-0.001	169067750	0.0508			
						RPD = 2.84			
18 Endrin aldehyde									
1	100	10.139	10.142	-0.003	80263512	0.0510			
2	100	11.383	11.383	0.000	188798122	0.0493			
						RPD = 3.25			
27 Methoxychlor									
1	100	10.720	10.723	-0.003	35097830	0.0516			
2	100	12.364	12.365	-0.001	86673844	0.0521			
						RPD = 0.98			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.859	10.860	-0.001	88030573	0.0510			
2	100	11.814	11.815	-0.001	215133295	0.0499			
						RPD = 2.19			
19 Endrin ketone									
1	100	11.258	11.260	-0.002	97151486	0.0513			
2	100	12.551	12.552	-0.001	221784391	0.0506			
						RPD = 1.45			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.862	-0.002	106216984	0.0515			
2	100	14.324	14.325	-0.001	235265158	0.0497			
						RPD = 3.56			

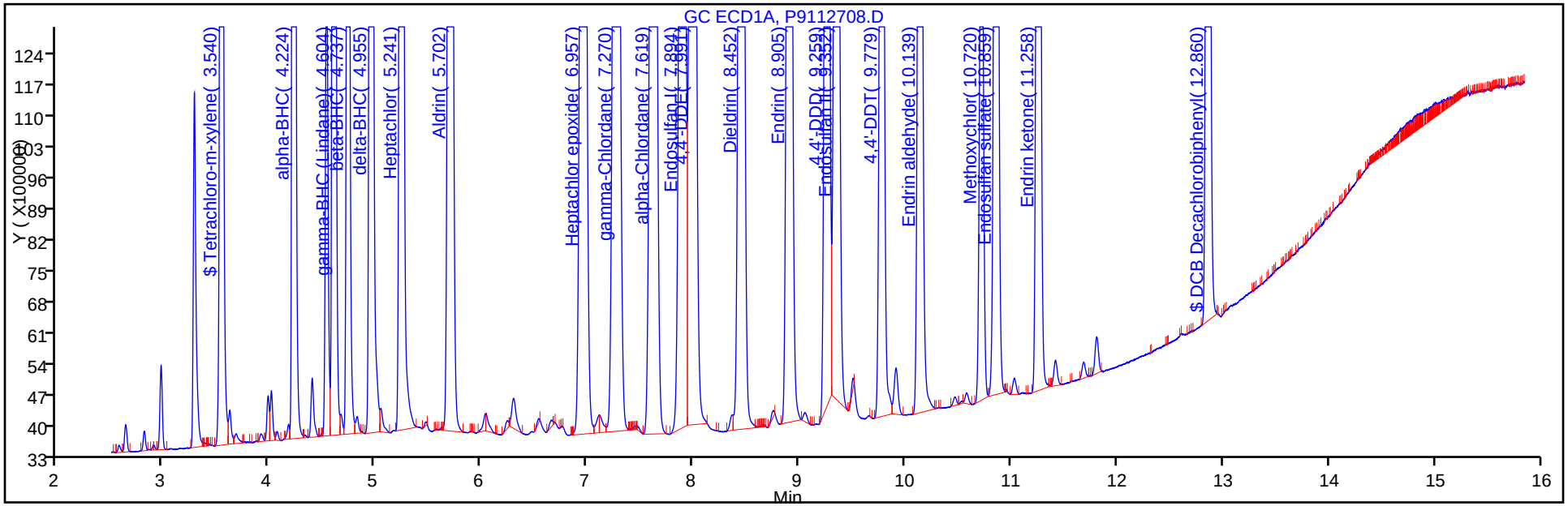
Report Date: 29-Nov-2012 09:55:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

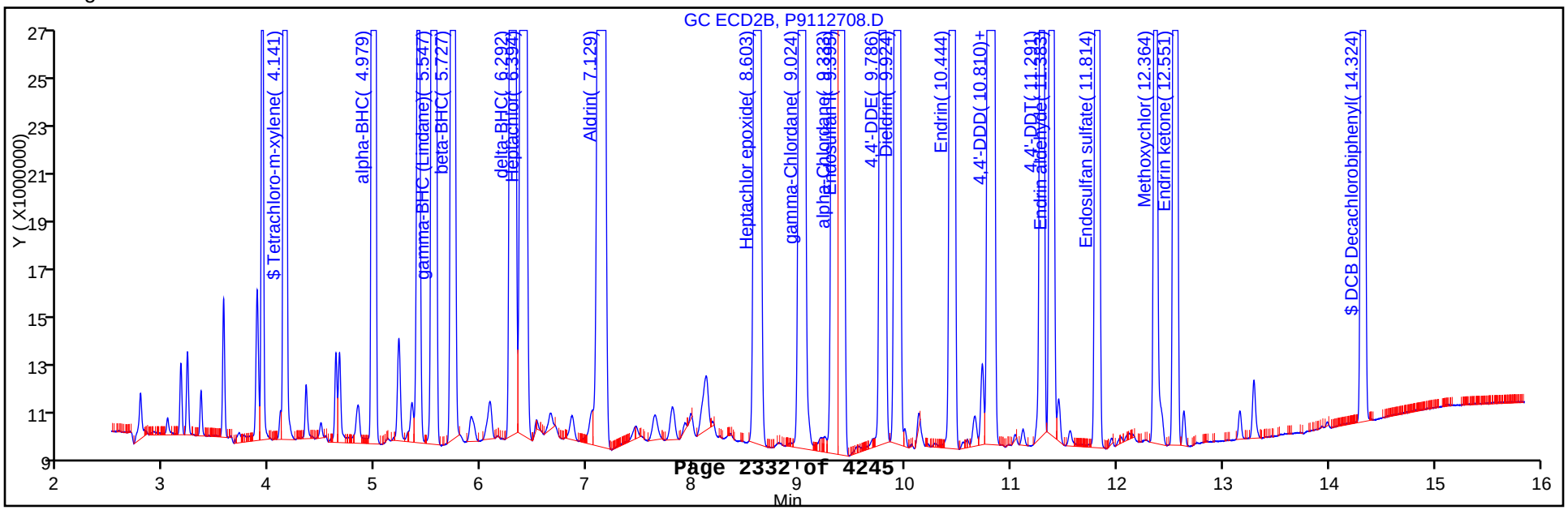
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112708.D

Injection Date:	28-Nov-2012 05:11:37	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112709.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 28-Nov-2012 05:30:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015316-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 66500 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:13 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.535	3.542	-0.007	233043289	0.0965			
2	100	4.144	4.140	0.004	705568169	0.0993			
						RPD = 2.86			
5 alpha-BHC									
1	100	4.218	4.225	-0.007	321294010	0.1014			
2	100	4.979	4.978	0.001	1050625042	0.1057			
						RPD = 4.15			
20 gamma-BHC (Lindane)									
1	100	4.597	4.605	-0.008	268105436	0.0994			
2	100	5.548	5.547	0.001	836258205	0.1008			
						RPD = 1.39			
7 beta-BHC									
1	100	4.729	4.739	-0.010	114225893	0.0958			
2	100	5.727	5.726	0.001	340246151	0.0944			
						RPD = 1.53			
11 delta-BHC									
1	100	4.948	4.957	-0.009	270604940	0.1043			
2	100	6.292	6.292	0.000	842988777	0.1065			
						RPD = 2.08			
22 Heptachlor									
1	100	5.233	5.243	-0.010	237500162	0.0975			
2	100	6.394	6.394	0.000	684656663	0.0959			
						RPD = 1.63			
4 Aldrin									
1	100	5.693	5.705	-0.012	294664832	0.0993			
2	100	7.128	7.130	-0.002	818825596	0.0997			
						RPD = 0.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.946	6.961	-0.015	240402105	0.0975			
2	100	8.601	8.603	-0.002	664094904	0.0972			
						RPD = 0.32			
21 gamma-Chlordane									
1	100	7.257	7.275	-0.018	262785355	0.0995			
2	100	9.024	9.024	0.000	686632957	0.0985			
						RPD = 0.93			
6 alpha-Chlordane									
1	100	7.606	7.623	-0.017	265767351	0.0979			
2	100	9.331	9.334	-0.003	686124779	0.0975			
						RPD = 0.47			
14 Endosulfan I									
1	100	7.883	7.896	-0.013	225351773	0.0968			
2	100	9.394	9.396	-0.002	553586037	0.0961			
						RPD = 0.67			
2 4,4'-DDE									
1	100	7.981	7.995	-0.014	287944529	0.0995			
2	100	9.784	9.785	-0.001	727184219	0.1009			
						RPD = 1.42			
13 Dieldrin									
1	100	8.442	8.455	-0.013	238769123	0.0983			
2	100	9.924	9.926	-0.002	622149707	0.0985			
						RPD = 0.20			
17 Endrin									
1	100	8.896	8.908	-0.012	219329606	0.0982			
2	100	10.443	10.445	-0.002	567059158	0.0975			
						RPD = 0.77			
1 4,4'-DDD									
1	100	9.253	9.263	-0.010	179041064	0.0999			
2	100	10.809	10.810	-0.001	968165240	0.0987			
						RPD = 1.23			
15 Endosulfan II									
1	100	9.343	9.353	-0.010	205405499	0.0969			
2	100	10.809	10.810	-0.001	968165240	0.0987			
						RPD = 1.88			
3 4,4'-DDT									
1	100	9.772	9.781	-0.009	146524084	0.1032			
2	100	11.290	11.292	-0.002	341723801	0.1026			
						RPD = 0.53			
18 Endrin aldehyde									
1	100	10.133	10.142	-0.009	153274604	0.0974			
2	100	11.382	11.383	-0.001	367992078	0.0962			
						RPD = 1.21			
27 Methoxychlor									
1	100	10.713	10.723	-0.010	66368596	0.0976			
2	100	12.364	12.365	-0.001	166024602	0.0999			
						RPD = 2.27			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.853	10.860	-0.007	167836771	0.0972			
2	100	11.814	11.815	-0.001	430525250	0.0998			
						RPD = 2.66			
19 Endrin ketone									
1	100	11.254	11.260	-0.006	181236644	0.0957			
2	100	12.551	12.552	-0.001	428298026	0.0977			
						RPD = 2.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.857	12.862	-0.005	200449899	0.0972			
2	100	14.322	14.325	-0.003	457702306	0.0967			
						RPD = 0.51			

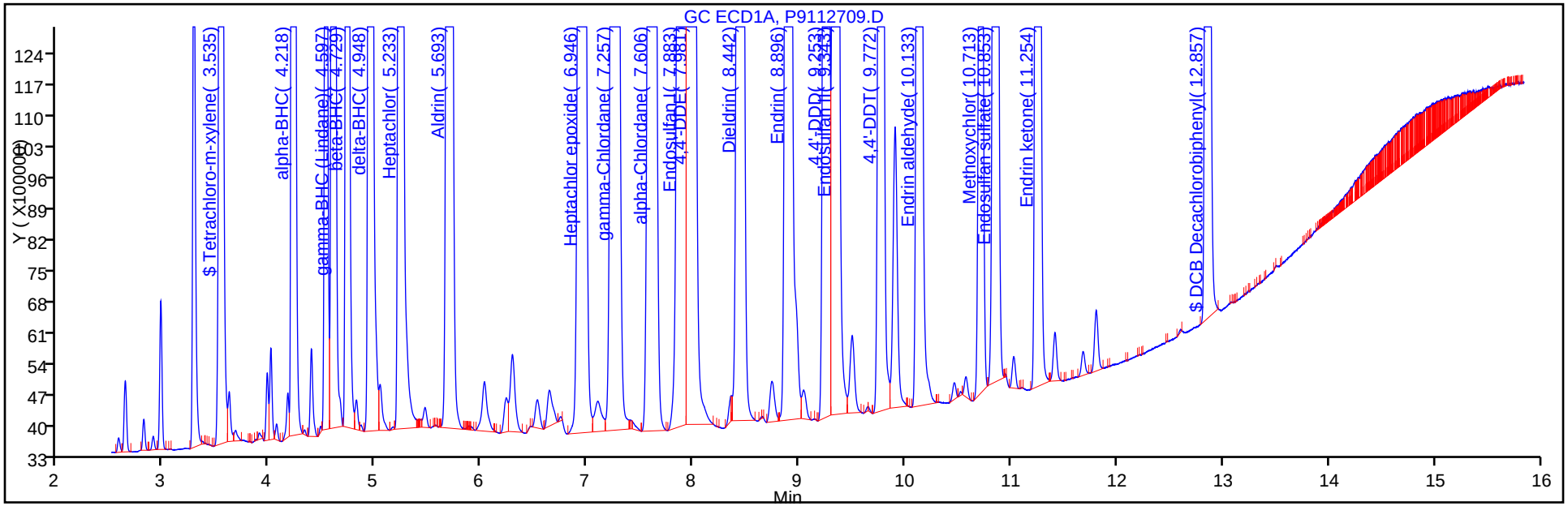
Report Date: 29-Nov-2012 09:55:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

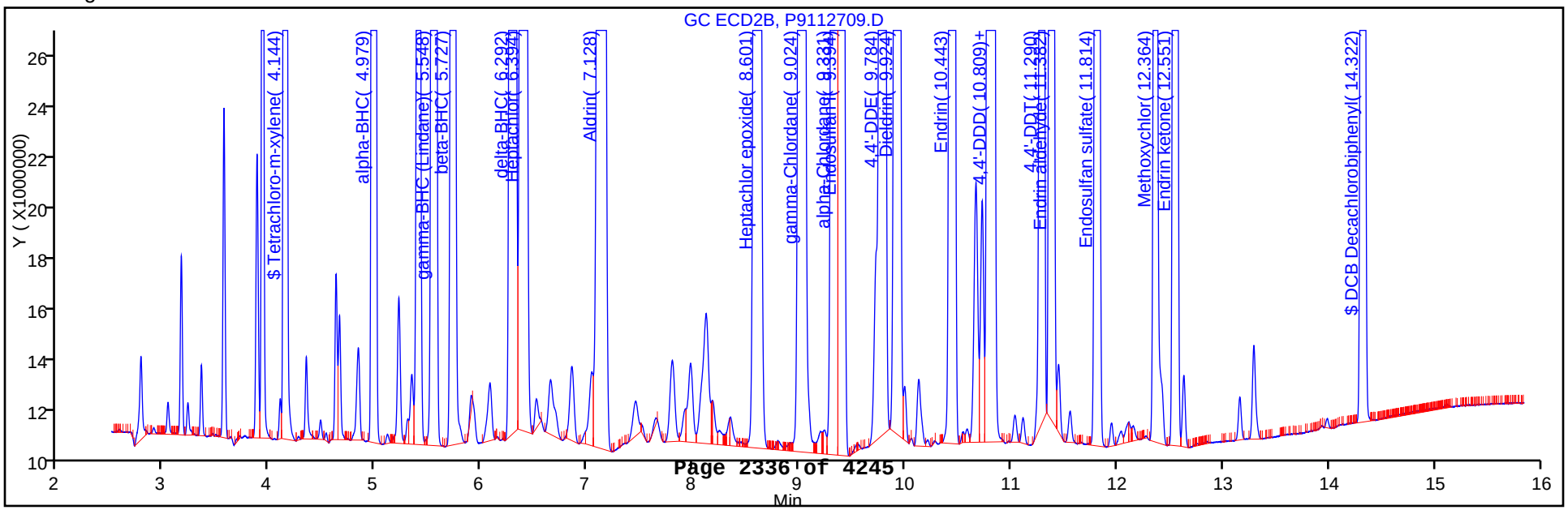
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112709.D

Injection Date:	28-Nov-2012 05:30:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112710.D
Lims ID: STD AB L6 Client ID:
Inject. Date: 28-Nov-2012 05:55:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: 240-0015316-010
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 66500 Lims Sample ID: 10
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:15 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.542	-0.001	453303295	0.1876			
2	100	4.142	4.140	0.002	1448221556	0.2037			
						RPD = 8.23			
5 alpha-BHC									
1	100	4.225	4.225	0.000	645976390	0.2039			
2	100	4.980	4.978	0.002	2285367453	0.2299			
						RPD = 12.01			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	547873505	0.2032			
2	100	5.548	5.547	0.001	1806076915	0.2178			
						RPD = 6.92			
7 beta-BHC									
1	100	4.737	4.739	-0.002	232044158	0.1946			
2	100	5.727	5.726	0.001	707677990	0.1963			
						RPD = 0.83			
11 delta-BHC									
1	100	4.955	4.957	-0.002	561318018	0.2164			
2	100	6.292	6.292	0.000	1848244996	0.2336			
						RPD = 7.62			
22 Heptachlor									
1	100	5.243	5.243	0.000	472352159	0.1938			
2	100	6.394	6.394	0.000	1409699760	0.1974			
						RPD = 1.83			
4 Aldrin									
1	100	5.703	5.705	-0.002	580677178	0.1957			
2	100	7.131	7.130	0.001	1679176514	0.2044			
						RPD = 4.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.959	6.961	-0.002	467013104	0.1894			
2	100	8.604	8.603	0.001	1344707940	0.1968			
						RPD = 3.83			
21 gamma-Chlordane									
1	100	7.270	7.275	-0.005	532845994	0.2017			
2	100	9.025	9.024	0.001	1446103331	0.2075			
						RPD = 2.86			
6 alpha-Chlordane									
1	100	7.621	7.623	-0.002	540294147	0.1991			
2	100	9.335	9.334	0.001	1435449896	0.2040			
						RPD = 2.40			
14 Endosulfan I									
1	100	7.895	7.896	-0.001	441726686	0.1897			
2	100	9.395	9.396	-0.001	1114942430	0.1936			
						RPD = 2.04			
2 4,4'-DDE									
1	100	7.994	7.995	-0.001	573706412	0.1982			
2	100	9.786	9.785	0.001	1488391863	0.2065			
						RPD = 4.11			
13 Dieldrin									
1	100	8.452	8.455	-0.003	474575217	0.1954			
2	100	9.925	9.926	-0.001	1279814987	0.2026			
						RPD = 3.63			
17 Endrin									
1	100	8.905	8.908	-0.003	421931840	0.1889			
2	100	10.445	10.445	0.000	1175172336	0.2020			
						RPD = 6.67			
1 4,4'-DDD									
1	100	9.260	9.263	-0.003	364468396	0.2034			
2	100	10.810	10.810	0.000	2025798167	0.2065			
						RPD = 1.52			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	409210791	0.1930			
2	100	10.810	10.810	0.000	2025798167	0.2065			
						RPD = 6.79			
3 4,4'-DDT									
1	100	9.778	9.781	-0.003	322124691	0.2268			
2	100	11.291	11.292	-0.001	782127021	0.2349			
						RPD = 3.50			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	305452696	0.1940			
2	100	11.383	11.383	0.000	758873285	0.1984			
						RPD = 2.22			
27 Methoxychlor									
1	100	10.721	10.723	-0.002	137489775	0.2023			
2	100	12.365	12.365	0.000	354136490	0.2131			
						RPD = 5.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	344366445	0.1994			
2	100	11.815	11.815	0.000	929753170	0.2155			
						RPD = 7.77			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	372090274	0.1966			
2	100	12.551	12.552	-0.001	916522247	0.2091			
						RPD = 6.15			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.862	-0.002	405785033	0.1968			
2	100	14.323	14.325	-0.002	974973426	0.2060			
						RPD = 4.58			

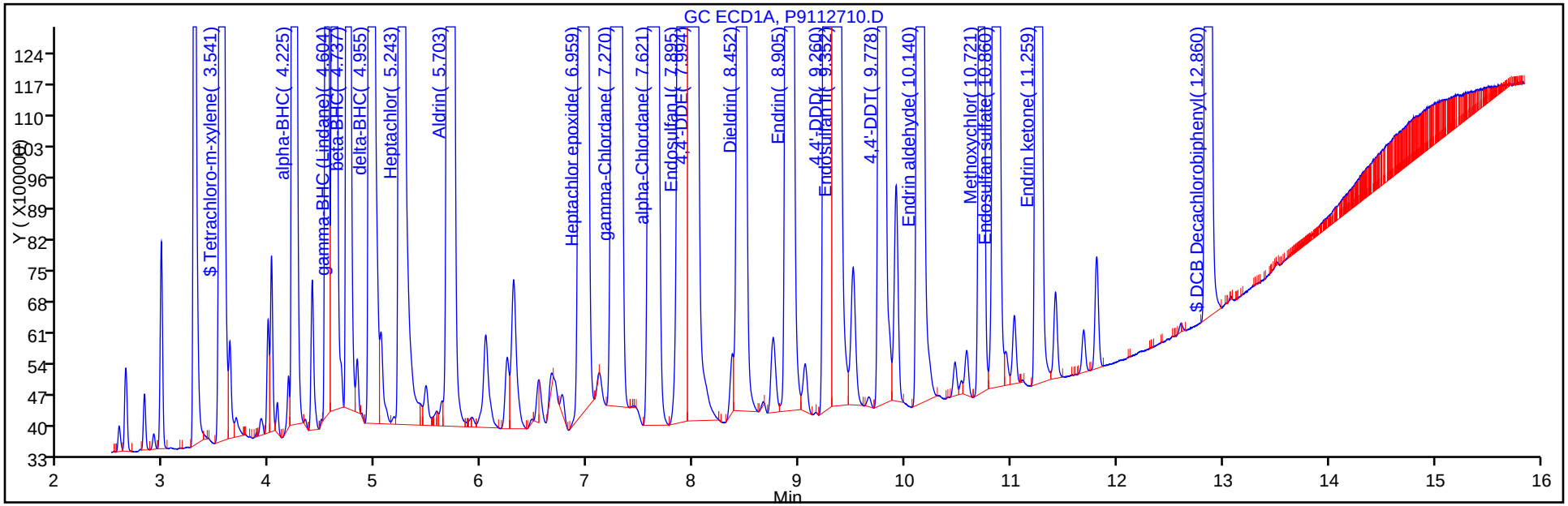
Report Date: 29-Nov-2012 09:55:16 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

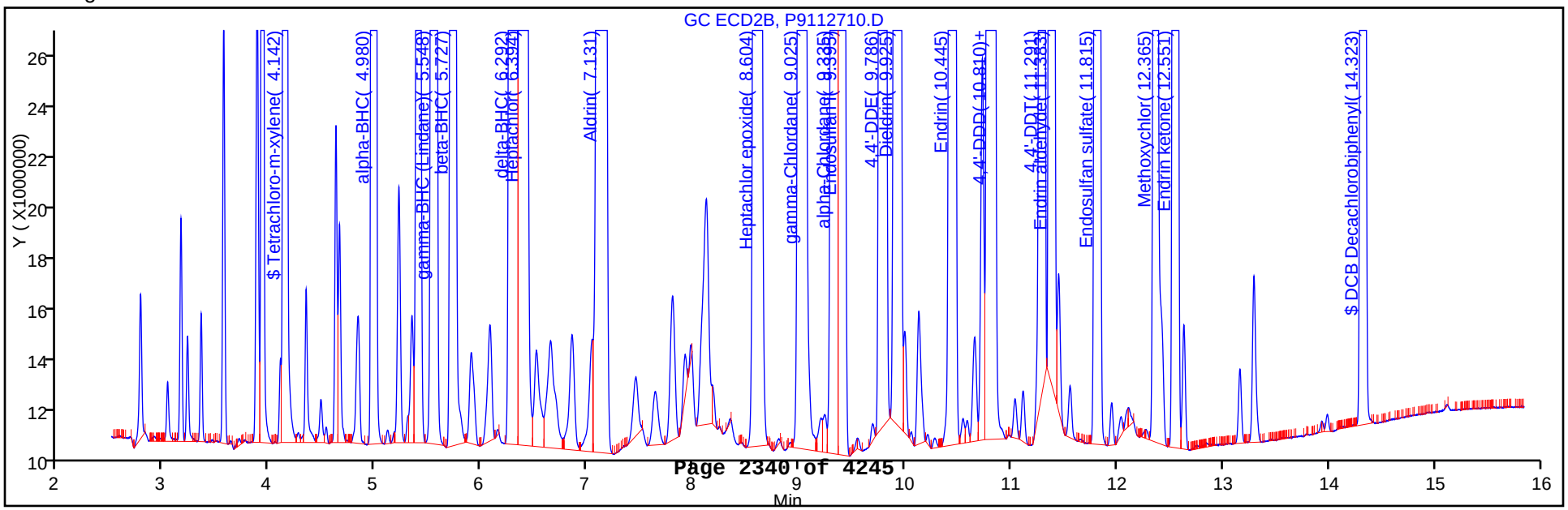
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112710.D

Injection Date:	28-Nov-2012 05:55:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	4.979	4.978	4.978	4.979	4.979	4.980					4.948 - 5.008	4.979
gamma-BHC (Lindane)	5.548	5.547	5.547	5.547	5.548	5.548					5.517 - 5.577	5.548
beta-BHC	5.728	5.727	5.726	5.727	5.727	5.727					5.696 - 5.756	5.727
delta-BHC	6.293	6.292	6.292	6.292	6.292	6.292					6.262 - 6.322	6.292
Heptachlor	6.394	6.393	6.394	6.394	6.394	6.394					6.359 - 6.429	6.394
Aldrin	7.132	7.131	7.130	7.129	7.128	7.131					7.100 - 7.160	7.130
Heptachlor epoxide	8.606	8.604	8.603	8.603	8.601	8.604					8.573 - 8.633	8.604
gamma-Chlordane	9.027	9.024	9.024	9.024	9.024	9.025					8.994 - 9.054	9.025
alpha-Chlordane	9.335	9.334	9.334	9.333	9.331	9.335					9.304 - 9.364	9.334
Endosulfan I	9.396	9.396	9.396	9.395	9.394	9.395					9.366 - 9.426	9.395
4,4'-DDE	9.787	9.787	9.785	9.786	9.784	9.786					9.755 - 9.815	9.786
Dieldrin	9.927	9.927	9.926	9.924	9.924	9.925					9.896 - 9.956	9.926
Endrin	10.447	10.445	10.445	10.444	10.443	10.445					10.415 - 10.475	10.445
4,4'-DDD	10.812	10.812	10.810	10.810	10.809	10.810					10.780 - 10.840	10.811
Endosulfan II	10.812	10.812	10.810	10.810	10.809	10.810					10.780 - 10.840	10.811
4,4'-DDT	11.292	11.293	11.292	11.291	11.290	11.291					11.262 - 11.322	11.292
Endrin aldehyde	11.384	11.384	11.383	11.383	11.382	11.383					11.353 - 11.413	11.383
Endosulfan sulfate	11.814	11.815	11.815	11.814	11.814	11.815					11.785 - 11.845	11.815
Methoxychlor	12.365	12.366	12.365	12.364	12.364	12.365					12.335 - 12.395	12.365
Endrin ketone	12.552	12.553	12.552	12.551	12.551	12.551					12.522 - 12.582	12.552
Tetrachloro-m-xylene	4.142	4.141	4.140	4.141	4.144	4.142					4.110 - 4.170	4.142
DCB Decachlorobiphenyl	14.325	14.324	14.325	14.324	14.322	14.323					14.295 - 14.355	14.324

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	9176184400 10506250420	7980803700 11426837265	10161988280	10388472160	Ave		9940089371				12.0		20.0			
gamma-BHC (Lindane)	8148808800 8362582050	6918069200 9030384575	8725067160	8576696420	Ave		8293601368				8.9		20.0			
beta-BHC	4010121200 3402461510	3339417600 3538389950	3813613800	3529369240	Ave		3605562217				7.1		20.0			
delta-BHC	7136654600 8429887770	6302047900 9241224980	8286378520	8080205840	Ave		7912733268				13.0		20.0			
Heptachlor	7630125000 6846566630	6416269000 7048498800	7684012320	7218710640	Ave		7140697065				6.7		20.0			
Aldrin	8626886000 8188255960	7308046100 8395882570	8503278960	8268430160	Ave		8215129958				5.7		20.0			
Heptachlor epoxide	7283022400 6640949040	6221706900 6723539700	7265815600	6856000920	Ave		6831839093				5.9		20.0			
gamma-Chlordane	7242896600 6866329570	6117090200 7230516655	7364456240	6991234840	Ave		6968754018				6.5		20.0			
alpha-Chlordane	7501775600 6861247790	6280686700 7177249480	7418167000	6988528520	Ave		7037942515				6.3		20.0			
Endosulfan I	6246333600 5535860370	5280505700 5574712150	6178059880	5743173540	Ave		5759774207				6.6		20.0			
4,4'-DDE	7725134800 7271842190	6373828300 7441959315	7435492200	6993951460	Ave		7207034711				6.6		20.0			
Dieldrin	6622450400 6221497070	5575898700 6399074935	6700977480	6386027340	Ave		6317654321				6.4		20.0			
Endrin	6039854200 5670591580	5163793100 5875861680	6291509360	5870463280	Ave		5818678867				6.6		20.0			
4,4'-DDD	1001892800 96816524O	8579299500 10128990835	10539243840	9909528140	Ave		9809607119				6.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endosulfan II	1001892800 9681652400	8579299500 1012899083 5	1053924384 0	9909528140	Ave		9809607119				6.8		20.0			
4,4'-DDT	2951900600 3417238010	2681521700 3910635105	3635334040	3381355000	Ave		3329664076				13.0		20.0			
Endrin aldehyde	4076508000 3679920780	3482525000 3794366425	4145381360	3775962440	Ave		3825777334				6.5		20.0			
Endosulfan sulfate	4319947800 4305252500	3714703800 4648765850	4593900760	4302665900	Ave		4314206102				7.7		20.0			
Methoxychlor	1592786000 1660246020	1439599200 1770682450	1776251360	1733476880	Ave		1662173652				7.8		20.0			
Endrin ketone	4450545200 4282980260	3839833100 4582611235	4713239520	4435687820	Ave		4384149523				6.9		20.0			
Tetrachloro-m-xylene	7695511600 7055681690	6450042300 7241107780	7207493920	6997530140	Ave		7107894572				5.7		20.0			
DCB Decachlorobiphenyl	5112469800 4577023060	4318209700 4874867130	4804456520	4705303160	Ave		4732054895				5.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/5	P9112705.D
Level 2	STD 240-66500/6	P9112706.D
Level 3	STD 240-66500/7	P9112707.D
Level 4	STD 240-66500/8	P9112708.D
Level 5	STD 240-66500/9	P9112709.D
Level 6	STD 240-66500/10	P9112710.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	45880922 2285367453	79808037	254049707	519423608	1050625042	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-BHC (Lindane)	Ave	40744044 1806076915	69180692	218126679	428834821	836258205	0.00500 0.200	0.0100	0.0250	0.0500	0.100
beta-BHC	Ave	20050606 707677990	33394176	95340345	176468462	340246151	0.00500 0.200	0.0100	0.0250	0.0500	0.100
delta-BHC	Ave	35683273 1848244996	63020479	207159463	404010292	842988777	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor	Ave	38150625 1409699760	64162690	192100308	360935532	684656663	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Aldrin	Ave	43134430 1679176514	73080461	212581974	413421508	818825596	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Heptachlor epoxide	Ave	36415112 1344707940	62217069	181645390	342800046	664094904	0.00500 0.200	0.0100	0.0250	0.0500	0.100
gamma-Chlordane	Ave	36214483 1446103331	61170902	184111406	349561742	686632957	0.00500 0.200	0.0100	0.0250	0.0500	0.100
alpha-Chlordane	Ave	37508878 1435449896	62806867	185454175	349426426	686124779	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan I	Ave	31231668 1114942430	52805057	154451497	287158677	553586037	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDE	Ave	38625674 1488391863	63738283	185887305	349697573	727184219	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Dieldrin	Ave	33112252 1279814987	55758987	167524437	319301367	622149707	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin	Ave	30199271 1175172336	51637931	157287734	293523164	567059158	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDD	Ave	50094640 2025798167	85792995	263481096	495476407	968165240	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan II	Ave	50094640 2025798167	85792995	263481096	495476407	968165240	0.00500 0.200	0.0100	0.0250	0.0500	0.100
4,4'-DDT	Ave	14759503 782127021	26815217	90883351	169067750	341723801	0.00500 0.200	0.0100	0.0250	0.0500	0.100

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 03:51 Calibration End Date: 11/28/2012 05:55 Calibration ID: 12531

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	20382540 758873285	34825250	103634534	188798122	367992078	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endosulfan sulfate	Ave	21599739 929753170	37147038	114847519	215133295	430525250	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Methoxychlor	Ave	7963930 354136490	14395992	44406284	86673844	166024602	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Endrin ketone	Ave	22252726 916522247	38398331	117830988	221784391	428298026	0.00500 0.200	0.0100	0.0250	0.0500	0.100
Tetrachloro-m-xylene	Ave	38477558 1448221556	64500423	180187348	349876507	705568169	0.00500 0.200	0.0100	0.0250	0.0500	0.100
DCB Decachlorobiphenyl	Ave	25562349 974973426	43182097	120111413	235265158	457702306	0.00500 0.200	0.0100	0.0250	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112705.D
Lims ID: STD AB L1 Client ID:
Inject. Date: 28-Nov-2012 03:51:54 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015316-005
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 66500 Lims Sample ID: 5
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:04 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	13414757	0.005553			
2	100	4.142	4.140	0.002	38477558	0.005413			
						RPD = 2.55			
5 alpha-BHC									
1	100	4.226	4.225	0.001	15361104	0.004848			
2	100	4.979	4.978	0.001	45880922	0.004616			
						RPD = 4.90			
20 gamma-BHC (Lindane)									
1	100	4.606	4.605	0.001	13209691	0.004899			
2	100	5.548	5.547	0.001	40744044	0.004913			
						RPD = 0.27			
7 beta-BHC									
1	100	4.739	4.739	0.000	6287006	0.005274			
2	100	5.728	5.726	0.002	20050606	0.005561			
						RPD = 5.30			
11 delta-BHC									
1	100	4.958	4.957	0.001	11937577	0.004603			
2	100	6.293	6.292	0.001	35683273	0.004510			
						RPD = 2.05			
22 Heptachlor									
1	100	5.245	5.243	0.002	12212079	0.005011			
2	100	6.394	6.394	0.000	38150625	0.005343			
						RPD = 6.40			
4 Aldrin									
1	100	5.705	5.705	0.000	15467014	0.005213			
2	100	7.132	7.130	0.002	43134430	0.005251			
						RPD = 0.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.962	6.961	0.001	12839220	0.005208			
2	100	8.606	8.603	0.003	36415112	0.005330			
						RPD = 2.32			
21 gamma-Chlordane									
1	100	7.277	7.275	0.002	13215608	0.005002			
2	100	9.027	9.024	0.003	36214483	0.005197			
						RPD = 3.83			
6 alpha-Chlordane									
1	100	7.625	7.623	0.002	13950240	0.005141			
2	100	9.335	9.334	0.001	37508878	0.005330			
						RPD = 3.60			
14 Endosulfan I									
1	100	7.898	7.896	0.002	12068741	0.005182			
2	100	9.396	9.396	0.000	31231668	0.005422			
						RPD = 4.54			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	15005760	0.005184			
2	100	9.787	9.785	0.002	38625674	0.005359			
						RPD = 3.33			
13 Dieldrin									
1	100	8.456	8.455	0.001	12267727	0.005050			
2	100	9.927	9.926	0.001	33112252	0.005241			
						RPD = 3.72			
17 Endrin									
1	100	8.909	8.908	0.001	11544116	0.005169			
2	100	10.447	10.445	0.002	30199271	0.005190			
						RPD = 0.41			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	8858716	0.004944			
2	100	10.812	10.810	0.002	50094640	0.005107			
						RPD = 3.24			
15 Endosulfan II									
1	100	9.354	9.353	0.001	10840375	0.005112			
2	100	10.812	10.810	0.002	50094640	0.005107			
						RPD = 0.09			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	6160204	0.004338			
2	100	11.292	11.292	0.000	14759503	0.004433			
						RPD = 2.17			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	8126335	0.005162			
2	100	11.384	11.383	0.001	20382540	0.005328			
						RPD = 3.17			
27 Methoxychlor									
1	100	10.722	10.723	-0.001	3269347	0.004810			
2	100	12.365	12.365	0.000	7963930	0.004791			
						RPD = 0.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	8776233	0.005081			
2	100	11.814	11.815	-0.001	21599739	0.005007			
						RPD = 1.48			
19 Endrin ketone									
1	100	11.261	11.260	0.001	9704977	0.005127			
2	100	12.552	12.552	0.000	22252726	0.005076			
						RPD = 1.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	10733315	0.005206			
2	100	14.325	14.325	0.000	25562349	0.005402			
						RPD = 3.70			

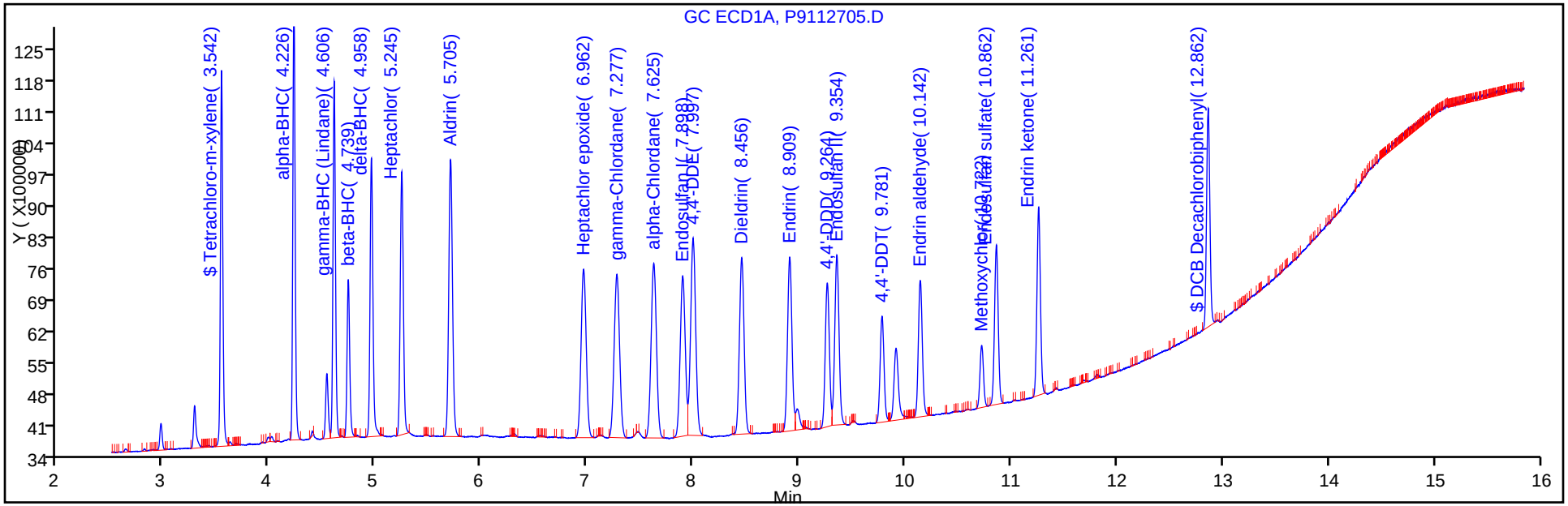
Report Date: 29-Nov-2012 09:55:05 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

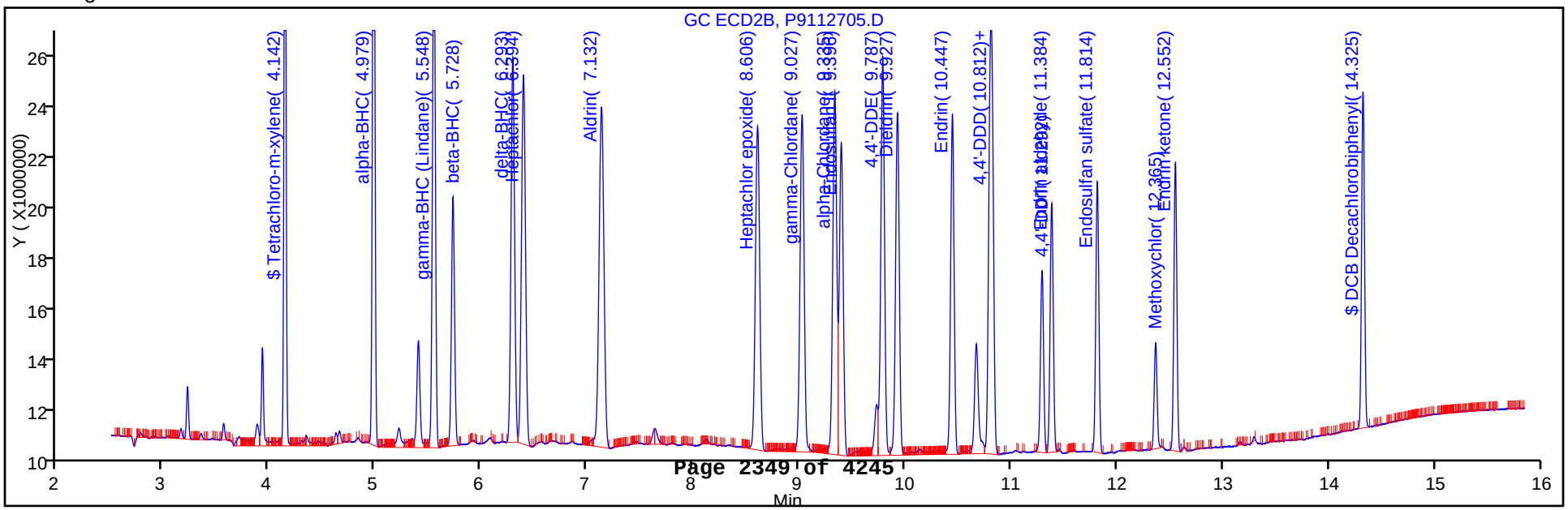
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112705.D

Injection Date:	28-Nov-2012 03:51:54	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	5
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112706.D		
Lims ID:	STD AB L2	Client ID:	
Inject. Date:	28-Nov-2012 04:19:44	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015316-006		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	66500	Lims Sample ID:	6
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:06	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	22713171	0.009402			
2	100	4.141	4.140	0.001	64500423	0.009074			
						RPD = 3.54			
5 alpha-BHC									
1	100	4.224	4.225	-0.001	27194279	0.008582			
2	100	4.978	4.978	0.000	79808037	0.008029			
						RPD = 6.66			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	23015504	0.008536			
2	100	5.547	5.547	0.000	69180692	0.008341			
						RPD = 2.31			
7 beta-BHC									
1	100	4.738	4.739	-0.001	10784735	0.009047			
2	100	5.727	5.726	0.001	33394176	0.009262			
						RPD = 2.35			
11 delta-BHC									
1	100	4.957	4.957	0.000	21171945	0.008164			
2	100	6.292	6.292	0.000	63020479	0.007964			
						RPD = 2.47			
22 Heptachlor									
1	100	5.243	5.243	0.000	21766652	0.008932			
2	100	6.393	6.394	-0.001	64162690	0.008985			
						RPD = 0.60			
4 Aldrin									
1	100	5.704	5.705	-0.001	26462599	0.008919			
2	100	7.131	7.130	0.001	73080461	0.008896			
						RPD = 0.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	22311480	0.009050			
2	100	8.604	8.603	0.001	62217069	0.009107			
						RPD = 0.63			
21 gamma-Chlordane									
1	100	7.274	7.275	-0.001	23333396	0.008831			
2	100	9.024	9.024	0.000	61170902	0.008778			
						RPD = 0.60			
6 alpha-Chlordane									
1	100	7.625	7.623	0.002	24234648	0.008931			
2	100	9.334	9.334	0.000	62806867	0.008924			
						RPD = 0.08			
14 Endosulfan I									
1	100	7.899	7.896	0.003	21319989	0.009154			
2	100	9.396	9.396	0.000	52805057	0.009168			
						RPD = 0.15			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	26415459	0.009126			
2	100	9.787	9.785	0.002	63738283	0.008844			
						RPD = 3.14			
13 Dieldrin									
1	100	8.458	8.455	0.003	21811833	0.008979			
2	100	9.927	9.926	0.001	55758987	0.008826			
						RPD = 1.71			
17 Endrin									
1	100	8.908	8.908	0.000	20259835	0.009072			
2	100	10.445	10.445	0.000	51637931	0.008875			
						RPD = 2.20			
1 4,4'-DDD									
1	100	9.266	9.263	0.003	15812120	0.008824			
2	100	10.812	10.810	0.002	85792995	0.008746			
						RPD = 0.89			
15 Endosulfan II									
1	100	9.354	9.353	0.001	19599257	0.009242			
2	100	10.812	10.810	0.002	85792995	0.008746			
						RPD = 5.51			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	11421027	0.008042			
2	100	11.293	11.292	0.001	26815217	0.008053			
						RPD = 0.14			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	14081874	0.008944			
2	100	11.384	11.383	0.001	34825250	0.009103			
						RPD = 1.76			
27 Methoxychlor									
1	100	10.723	10.723	0.000	6010772	0.008843			
2	100	12.366	12.365	0.001	14395992	0.008661			
						RPD = 2.08			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	15371965	0.008900			
2	100	11.815	11.815	0.000	37147038	0.008610			
						RPD = 3.31			
19 Endrin ketone									
1	100	11.262	11.260	0.002	17089125	0.009028			
2	100	12.553	12.552	0.001	38398331	0.008758			
						RPD = 3.04			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.862	0.001	18779414	0.009108			
2	100	14.324	14.325	-0.001	43182097	0.009125			
						RPD = 0.19			

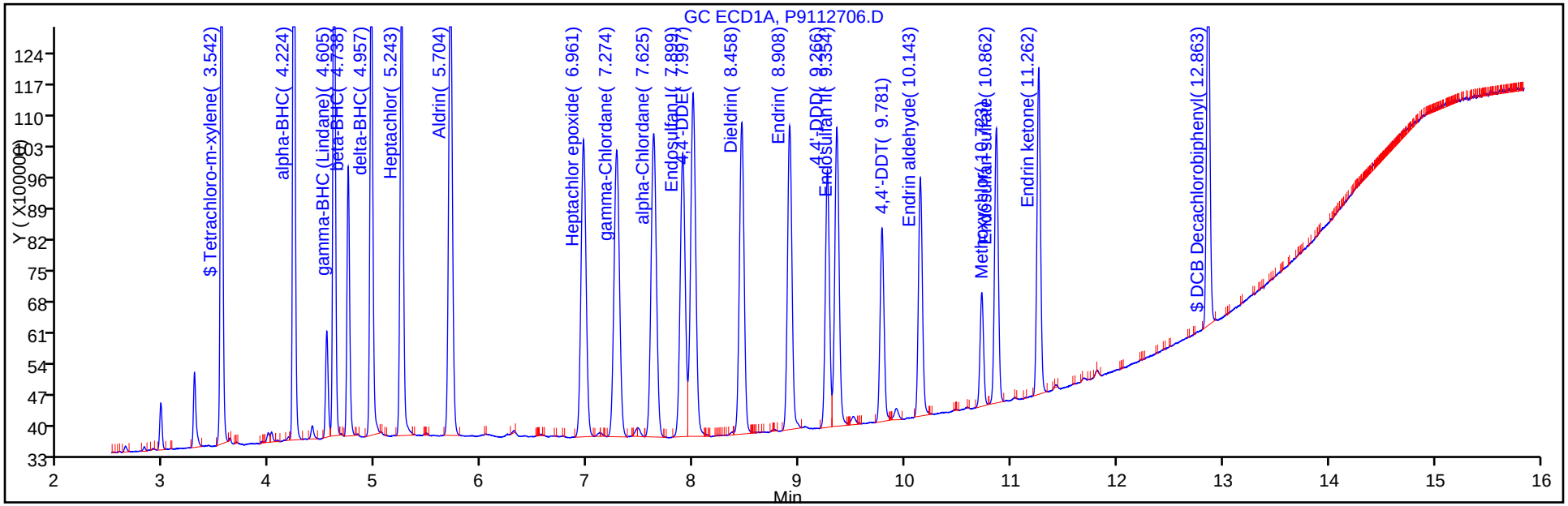
Report Date: 29-Nov-2012 09:55:08 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

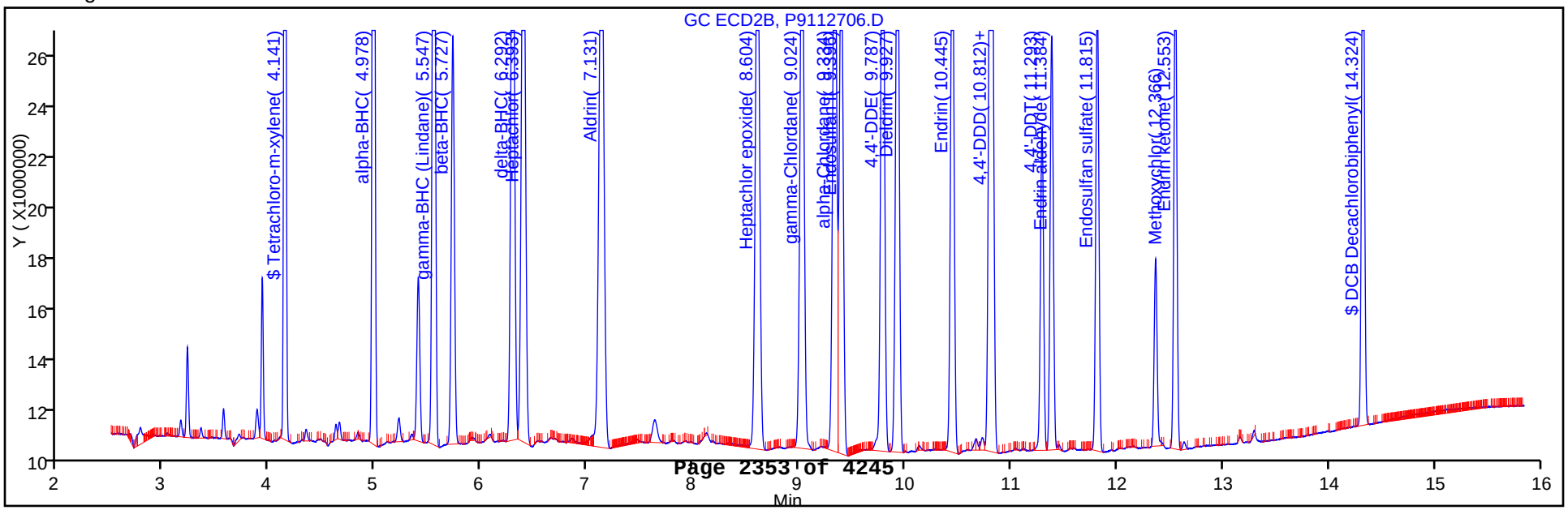
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112706.D

Injection Date:	28-Nov-2012 04:19:44	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	6
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D		
Lims ID:	STD AB L3	Client ID:	
Inject. Date:	28-Nov-2012 04:47:25	Dil. Factor:	1.0000
Sample Type:	ICRT	Calib Level:	3
Sample ID:	240-0015316-007		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	66500	Lims Sample ID:	7
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:08	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:35:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	63435034	0.0263			
2	100	4.140	4.140	0.000	180187348	0.0254			
						RPD = 3.52			
5 alpha-BHC									
1	100	4.225	4.225	0.000	85315068	0.0269			
2	100	4.978	4.978	0.000	254049707	0.0256			
						RPD = 5.21			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	74067417	0.0275			
2	100	5.547	5.547	0.000	218126679	0.0263			
						RPD = 4.35			
7 beta-BHC									
1	100	4.739	4.739	0.000	32466494	0.0272			
2	100	5.726	5.726	0.000	95340345	0.0264			
						RPD = 2.95			
11 delta-BHC									
1	100	4.957	4.957	0.000	70701379	0.0273			
2	100	6.292	6.292	0.000	207159463	0.0262			
						RPD = 4.05			
22 Heptachlor									
1	100	5.243	5.243	0.000	67803001	0.0278			
2	100	6.394	6.394	0.000	192100308	0.0269			
						RPD = 3.37			
4 Aldrin									
1	100	5.705	5.705	0.000	79080833	0.0267			
2	100	7.130	7.130	0.000	212581974	0.0259			
						RPD = 2.95			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	67605641	0.0274			
2	100	8.603	8.603	0.000	181645390	0.0266			
						RPD = 3.09			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	71578901	0.0271			
2	100	9.024	9.024	0.000	184111406	0.0264			
						RPD = 2.50			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	73477159	0.0271			
2	100	9.334	9.334	0.000	185454175	0.0264			
						RPD = 2.73			
14 Endosulfan I									
1	100	7.896	7.896	0.000	64705942	0.0278			
2	100	9.396	9.396	0.000	154451497	0.0268			
						RPD = 3.54			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	77611943	0.0268			
2	100	9.785	9.785	0.000	185887305	0.0258			
						RPD = 3.88			
13 Dieldrin									
1	100	8.455	8.455	0.000	66457693	0.0274			
2	100	9.926	9.926	0.000	167524437	0.0265			
						RPD = 3.12			
17 Endrin									M
1	100	8.908	8.908	0.000	62299800	0.0279			M
2	100	10.445	10.445	0.000	157287734	0.0270			
						RPD = 3.15			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	49525658	0.0276			
2	100	10.810	10.810	0.000	263481096	0.0269			
						RPD = 2.86			
15 Endosulfan II									
1	100	9.353	9.353	0.000	59747209	0.0282			
2	100	10.810	10.810	0.000	263481096	0.0269			
						RPD = 4.77			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	39680453	0.0279			
2	100	11.292	11.292	0.000	90883351	0.0273			
						RPD = 2.34			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	43691326	0.0278			
2	100	11.383	11.383	0.000	103634534	0.0271			
						RPD = 2.42			
27 Methoxychlor									
1	100	10.723	10.723	0.000	19257369	0.0283			
2	100	12.365	12.365	0.000	44406284	0.0267			
						RPD = 5.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	47741448	0.0276			
2	100	11.815	11.815	0.000	114847519	0.0266			
						RPD = 3.76			
19 Endrin ketone									
1	100	11.260	11.260	0.000	52279079	0.0276			
2	100	12.552	12.552	0.000	117830988	0.0269			
						RPD = 2.73			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	54709867	0.0265			
2	100	14.325	14.325	0.000	120111413	0.0254			
						RPD = 4.44			

QC Flag Legend

Review Flags
M - Manually Integrated

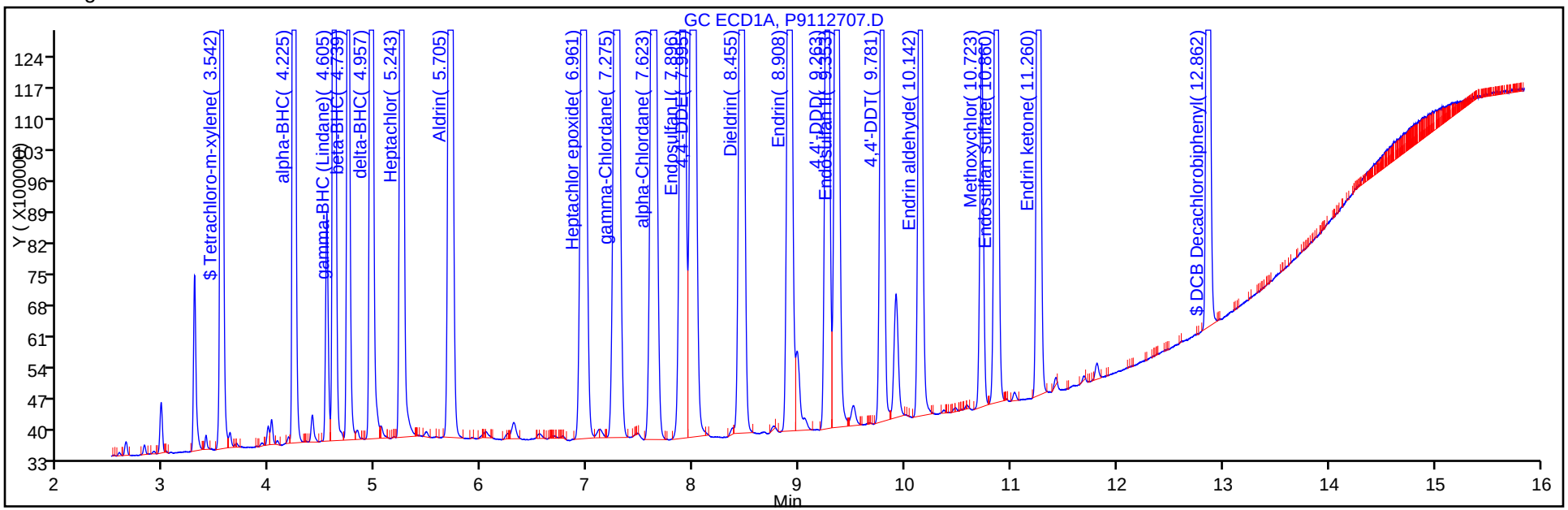
Report Date: 29-Nov-2012 09:55:10 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

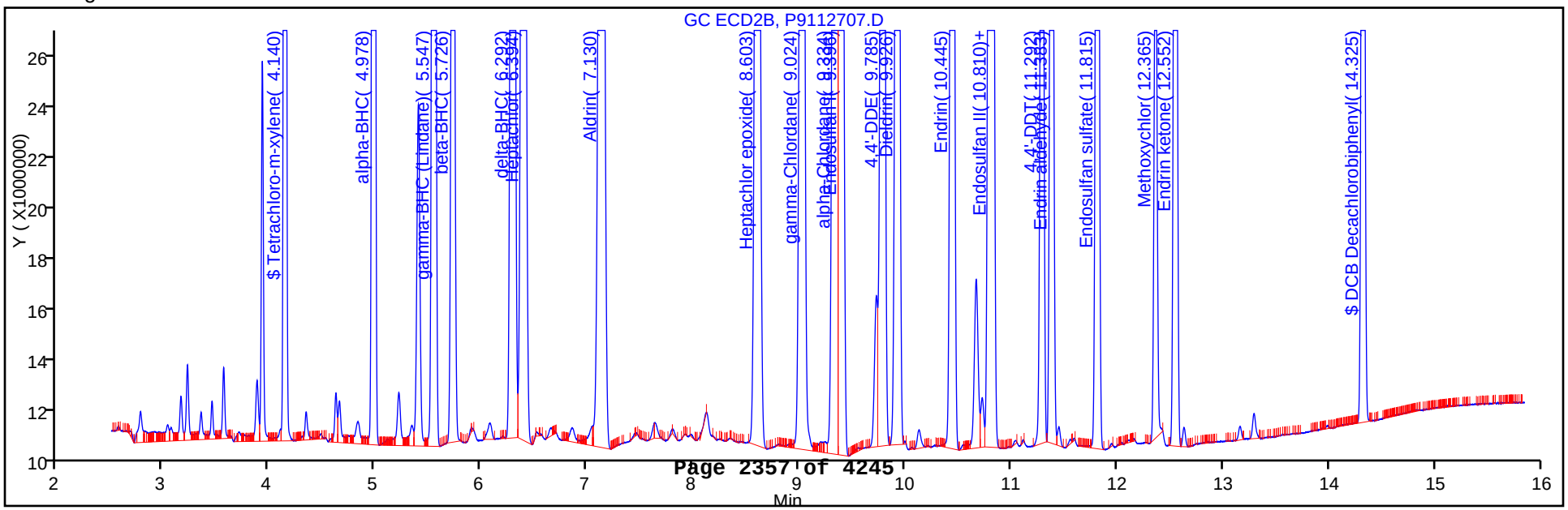
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112707.D

Injection Date:	28-Nov-2012 04:47:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	7
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112708.D
Lims ID: STD AB L4 Client ID:
Inject. Date: 28-Nov-2012 05:11:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015316-008
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 66500 Lims Sample ID: 8
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:11 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.542	-0.002	120308300	0.0498			
2	100	4.141	4.140	0.001	349876507	0.0492			
						RPD = 1.17			
5 alpha-BHC									
1	100	4.224	4.225	-0.001	168246491	0.0531			
2	100	4.979	4.978	0.001	519423608	0.0523			
						RPD = 1.60			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	142541536	0.0529			
2	100	5.547	5.547	0.000	428834821	0.0517			
						RPD = 2.22			
7 beta-BHC									
1	100	4.737	4.739	-0.002	60784519	0.0510			
2	100	5.727	5.726	0.001	176468462	0.0489			
						RPD = 4.09			
11 delta-BHC									
1	100	4.955	4.957	-0.002	135742987	0.0523			
2	100	6.292	6.292	0.000	404010292	0.0511			
						RPD = 2.48			
22 Heptachlor									
1	100	5.241	5.243	-0.002	127680749	0.0524			
2	100	6.394	6.394	0.000	360935532	0.0505			
						RPD = 3.59			
4 Aldrin									
1	100	5.702	5.705	-0.003	152469576	0.0514			
2	100	7.129	7.130	-0.001	413421508	0.0503			
						RPD = 2.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.957	6.961	-0.004	127476829	0.0517			
2	100	8.603	8.603	0.000	342800046	0.0502			
						RPD = 3.01			
21 gamma-Chlordane									
1	100	7.270	7.275	-0.005	136108350	0.0515			
2	100	9.024	9.024	0.000	349561742	0.0502			
						RPD = 2.66			
6 alpha-Chlordane									
1	100	7.619	7.623	-0.004	138438807	0.0510			
2	100	9.333	9.334	-0.001	349426426	0.0496			
						RPD = 2.72			
14 Endosulfan I									
1	100	7.894	7.896	-0.002	118897646	0.0511			
2	100	9.395	9.396	-0.001	287158677	0.0499			
						RPD = 2.37			
2 4,4'-DDE									
1	100	7.991	7.995	-0.004	143606885	0.0496			
2	100	9.786	9.785	0.001	349697573	0.0485			
						RPD = 2.22			
13 Dieldrin									
1	100	8.452	8.455	-0.003	126120451	0.0519			
2	100	9.924	9.926	-0.002	319301367	0.0505			
						RPD = 2.68			
17 Endrin									
1	100	8.905	8.908	-0.003	113505434	0.0508			
2	100	10.444	10.445	-0.001	293523164	0.0504			
						RPD = 0.75			
1 4,4'-DDD									
1	100	9.259	9.263	-0.004	90234850	0.0504			
2	100	10.810	10.810	0.000	495476407	0.0505			
						RPD = 0.30			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	105333851	0.0497			
2	100	10.810	10.810	0.000	495476407	0.0505			
						RPD = 1.68			
3 4,4'-DDT									
1	100	9.779	9.781	-0.002	74188574	0.0522			
2	100	11.291	11.292	-0.001	169067750	0.0508			
						RPD = 2.84			
18 Endrin aldehyde									
1	100	10.139	10.142	-0.003	80263512	0.0510			
2	100	11.383	11.383	0.000	188798122	0.0493			
						RPD = 3.25			
27 Methoxychlor									
1	100	10.720	10.723	-0.003	35097830	0.0516			
2	100	12.364	12.365	-0.001	86673844	0.0521			
						RPD = 0.98			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.859	10.860	-0.001	88030573	0.0510			
2	100	11.814	11.815	-0.001	215133295	0.0499			
						RPD = 2.19			
19 Endrin ketone									
1	100	11.258	11.260	-0.002	97151486	0.0513			
2	100	12.551	12.552	-0.001	221784391	0.0506			
						RPD = 1.45			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.862	-0.002	106216984	0.0515			
2	100	14.324	14.325	-0.001	235265158	0.0497			
						RPD = 3.56			

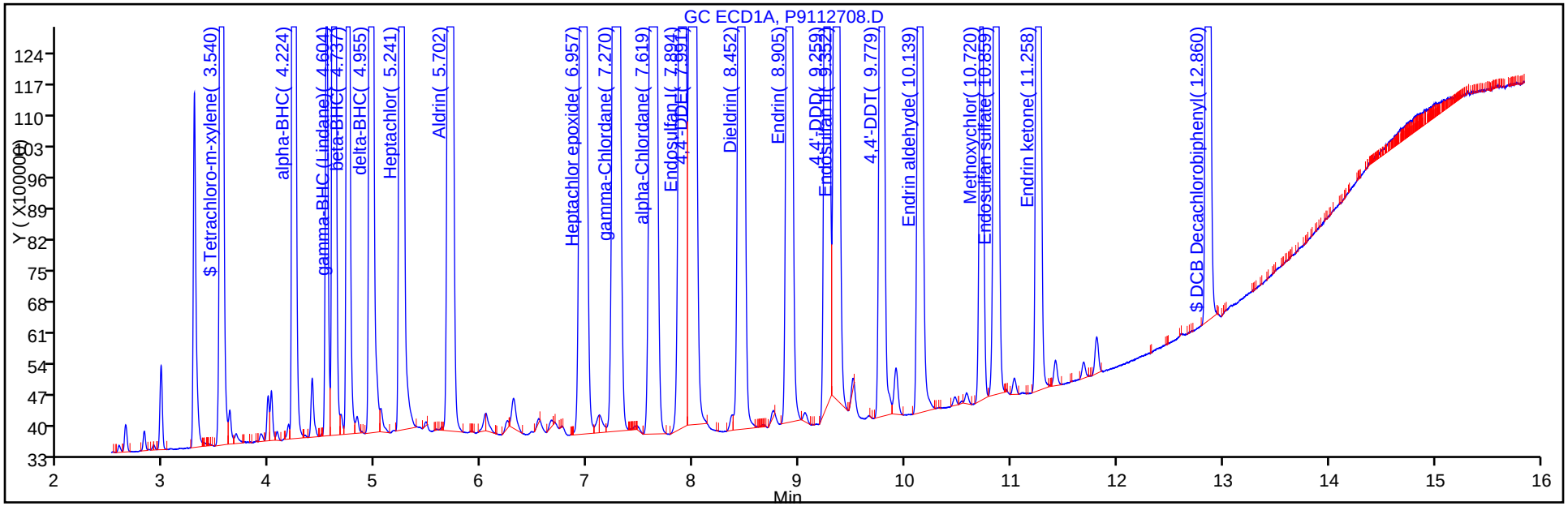
Report Date: 29-Nov-2012 09:55:12 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

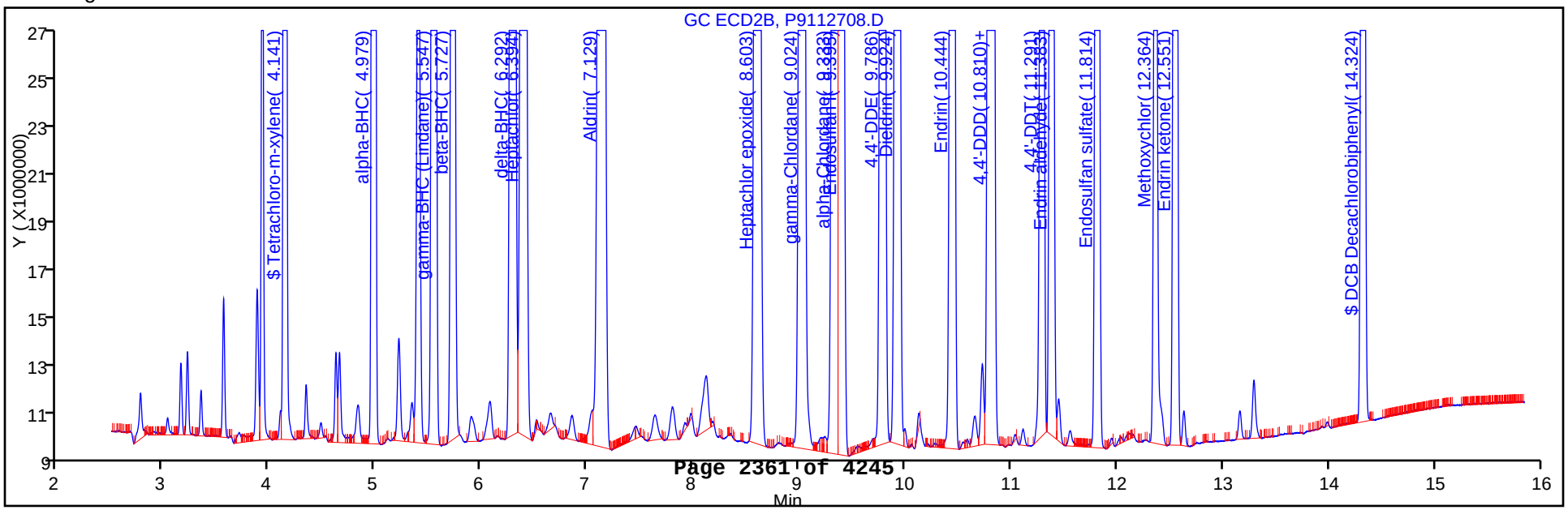
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112708.D

Injection Date:	28-Nov-2012 05:11:37	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	8
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112709.D
Lims ID: STD AB L5 Client ID:
Inject. Date: 28-Nov-2012 05:30:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015316-009
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 66500 Lims Sample ID: 9
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:13 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.535	3.542	-0.007	233043289	0.0965			
2	100	4.144	4.140	0.004	705568169	0.0993			
						RPD = 2.86			
5 alpha-BHC									
1	100	4.218	4.225	-0.007	321294010	0.1014			
2	100	4.979	4.978	0.001	1050625042	0.1057			
						RPD = 4.15			
20 gamma-BHC (Lindane)									
1	100	4.597	4.605	-0.008	268105436	0.0994			
2	100	5.548	5.547	0.001	836258205	0.1008			
						RPD = 1.39			
7 beta-BHC									
1	100	4.729	4.739	-0.010	114225893	0.0958			
2	100	5.727	5.726	0.001	340246151	0.0944			
						RPD = 1.53			
11 delta-BHC									
1	100	4.948	4.957	-0.009	270604940	0.1043			
2	100	6.292	6.292	0.000	842988777	0.1065			
						RPD = 2.08			
22 Heptachlor									
1	100	5.233	5.243	-0.010	237500162	0.0975			
2	100	6.394	6.394	0.000	684656663	0.0959			
						RPD = 1.63			
4 Aldrin									
1	100	5.693	5.705	-0.012	294664832	0.0993			
2	100	7.128	7.130	-0.002	818825596	0.0997			
						RPD = 0.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.946	6.961	-0.015	240402105	0.0975			
2	100	8.601	8.603	-0.002	664094904	0.0972			
						RPD = 0.32			
21 gamma-Chlordane									
1	100	7.257	7.275	-0.018	262785355	0.0995			
2	100	9.024	9.024	0.000	686632957	0.0985			
						RPD = 0.93			
6 alpha-Chlordane									
1	100	7.606	7.623	-0.017	265767351	0.0979			
2	100	9.331	9.334	-0.003	686124779	0.0975			
						RPD = 0.47			
14 Endosulfan I									
1	100	7.883	7.896	-0.013	225351773	0.0968			
2	100	9.394	9.396	-0.002	553586037	0.0961			
						RPD = 0.67			
2 4,4'-DDE									
1	100	7.981	7.995	-0.014	287944529	0.0995			
2	100	9.784	9.785	-0.001	727184219	0.1009			
						RPD = 1.42			
13 Dieldrin									
1	100	8.442	8.455	-0.013	238769123	0.0983			
2	100	9.924	9.926	-0.002	622149707	0.0985			
						RPD = 0.20			
17 Endrin									
1	100	8.896	8.908	-0.012	219329606	0.0982			
2	100	10.443	10.445	-0.002	567059158	0.0975			
						RPD = 0.77			
1 4,4'-DDD									
1	100	9.253	9.263	-0.010	179041064	0.0999			
2	100	10.809	10.810	-0.001	968165240	0.0987			
						RPD = 1.23			
15 Endosulfan II									
1	100	9.343	9.353	-0.010	205405499	0.0969			
2	100	10.809	10.810	-0.001	968165240	0.0987			
						RPD = 1.88			
3 4,4'-DDT									
1	100	9.772	9.781	-0.009	146524084	0.1032			
2	100	11.290	11.292	-0.002	341723801	0.1026			
						RPD = 0.53			
18 Endrin aldehyde									
1	100	10.133	10.142	-0.009	153274604	0.0974			
2	100	11.382	11.383	-0.001	367992078	0.0962			
						RPD = 1.21			
27 Methoxychlor									
1	100	10.713	10.723	-0.010	66368596	0.0976			
2	100	12.364	12.365	-0.001	166024602	0.0999			
						RPD = 2.27			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.853	10.860	-0.007	167836771	0.0972			
2	100	11.814	11.815	-0.001	430525250	0.0998			
						RPD = 2.66			
19 Endrin ketone									
1	100	11.254	11.260	-0.006	181236644	0.0957			
2	100	12.551	12.552	-0.001	428298026	0.0977			
						RPD = 2.01			
$ 10 DCB Decachlorobiphenyl									
1	100	12.857	12.862	-0.005	200449899	0.0972			
2	100	14.322	14.325	-0.003	457702306	0.0967			
						RPD = 0.51			

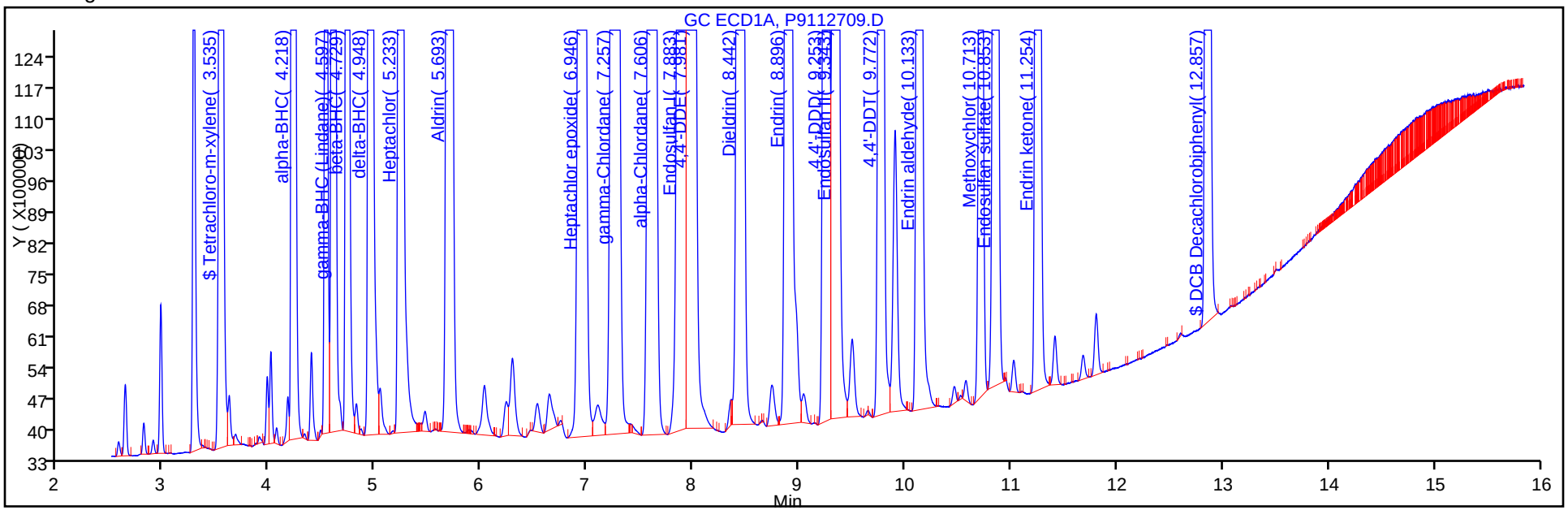
Report Date: 29-Nov-2012 09:55:14 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

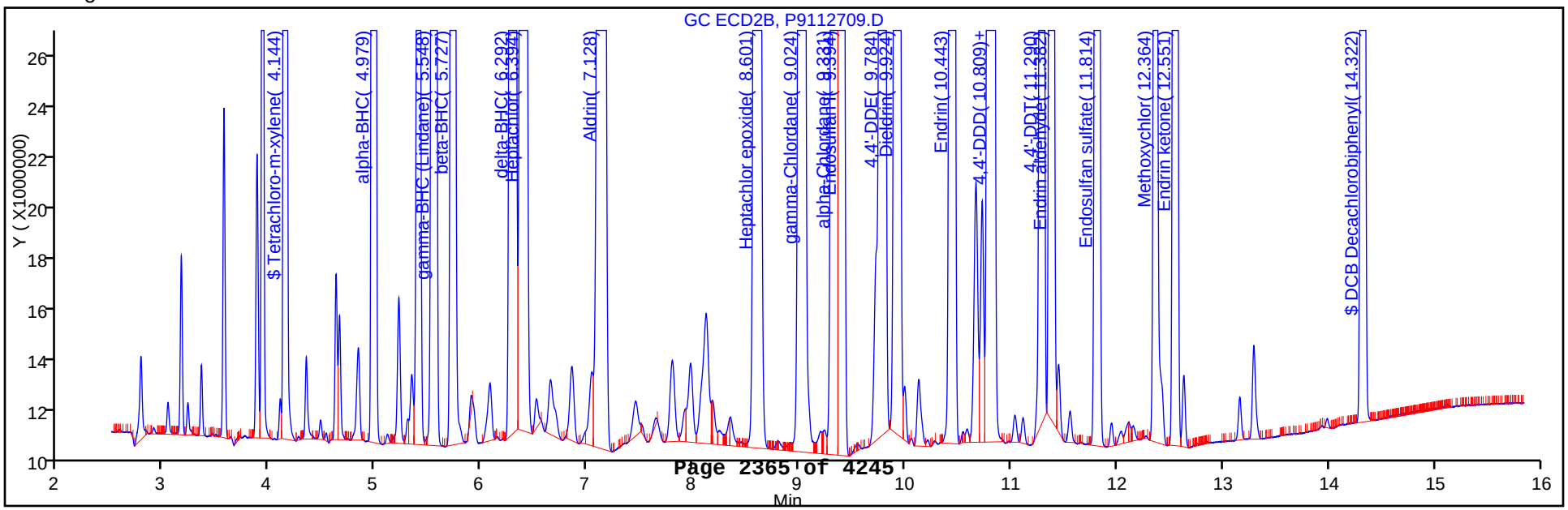
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112709.D

Injection Date:	28-Nov-2012 05:30:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	9
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112710.D		
Lims ID:	STD AB L6	Client ID:	
Inject. Date:	28-Nov-2012 05:55:06	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	240-0015316-010		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	66500	Lims Sample ID:	10
Sublist:	chrom-PEST9*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:15	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.542	-0.001	453303295	0.1876			
2	100	4.142	4.140	0.002	1448221556	0.2037			
						RPD = 8.23			
5 alpha-BHC									
1	100	4.225	4.225	0.000	645976390	0.2039			
2	100	4.980	4.978	0.002	2285367453	0.2299			
						RPD = 12.01			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	547873505	0.2032			
2	100	5.548	5.547	0.001	1806076915	0.2178			
						RPD = 6.92			
7 beta-BHC									
1	100	4.737	4.739	-0.002	232044158	0.1946			
2	100	5.727	5.726	0.001	707677990	0.1963			
						RPD = 0.83			
11 delta-BHC									
1	100	4.955	4.957	-0.002	561318018	0.2164			
2	100	6.292	6.292	0.000	1848244996	0.2336			
						RPD = 7.62			
22 Heptachlor									
1	100	5.243	5.243	0.000	472352159	0.1938			
2	100	6.394	6.394	0.000	1409699760	0.1974			
						RPD = 1.83			
4 Aldrin									
1	100	5.703	5.705	-0.002	580677178	0.1957			
2	100	7.131	7.130	0.001	1679176514	0.2044			
						RPD = 4.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.959	6.961	-0.002	467013104	0.1894			
2	100	8.604	8.603	0.001	1344707940	0.1968			
						RPD = 3.83			
21 gamma-Chlordane									
1	100	7.270	7.275	-0.005	532845994	0.2017			
2	100	9.025	9.024	0.001	1446103331	0.2075			
						RPD = 2.86			
6 alpha-Chlordane									
1	100	7.621	7.623	-0.002	540294147	0.1991			
2	100	9.335	9.334	0.001	1435449896	0.2040			
						RPD = 2.40			
14 Endosulfan I									
1	100	7.895	7.896	-0.001	441726686	0.1897			
2	100	9.395	9.396	-0.001	1114942430	0.1936			
						RPD = 2.04			
2 4,4'-DDE									
1	100	7.994	7.995	-0.001	573706412	0.1982			
2	100	9.786	9.785	0.001	1488391863	0.2065			
						RPD = 4.11			
13 Dieldrin									
1	100	8.452	8.455	-0.003	474575217	0.1954			
2	100	9.925	9.926	-0.001	1279814987	0.2026			
						RPD = 3.63			
17 Endrin									
1	100	8.905	8.908	-0.003	421931840	0.1889			
2	100	10.445	10.445	0.000	1175172336	0.2020			
						RPD = 6.67			
1 4,4'-DDD									
1	100	9.260	9.263	-0.003	364468396	0.2034			
2	100	10.810	10.810	0.000	2025798167	0.2065			
						RPD = 1.52			
15 Endosulfan II									
1	100	9.352	9.353	-0.001	409210791	0.1930			
2	100	10.810	10.810	0.000	2025798167	0.2065			
						RPD = 6.79			
3 4,4'-DDT									
1	100	9.778	9.781	-0.003	322124691	0.2268			
2	100	11.291	11.292	-0.001	782127021	0.2349			
						RPD = 3.50			
18 Endrin aldehyde									
1	100	10.140	10.142	-0.002	305452696	0.1940			
2	100	11.383	11.383	0.000	758873285	0.1984			
						RPD = 2.22			
27 Methoxychlor									
1	100	10.721	10.723	-0.002	137489775	0.2023			
2	100	12.365	12.365	0.000	354136490	0.2131			
						RPD = 5.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	344366445	0.1994			
2	100	11.815	11.815	0.000	929753170	0.2155			
						RPD = 7.77			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	372090274	0.1966			
2	100	12.551	12.552	-0.001	916522247	0.2091			
						RPD = 6.15			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.862	-0.002	405785033	0.1968			
2	100	14.323	14.325	-0.002	974973426	0.2060			
						RPD = 4.58			

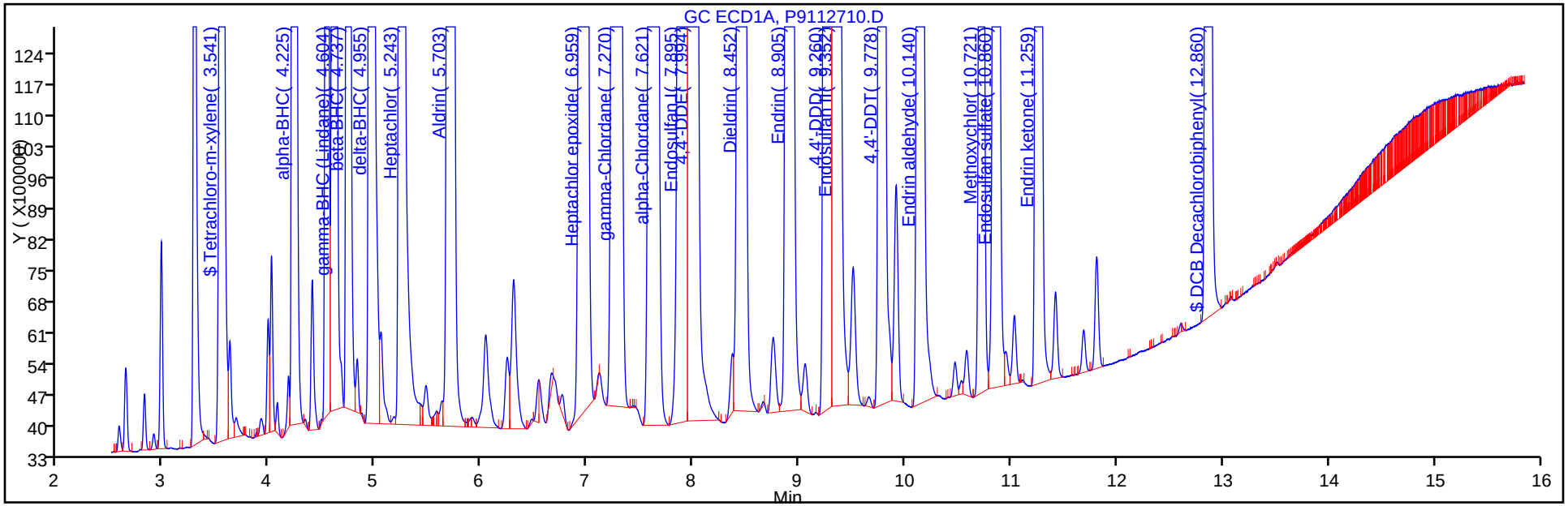
Report Date: 29-Nov-2012 09:55:17 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

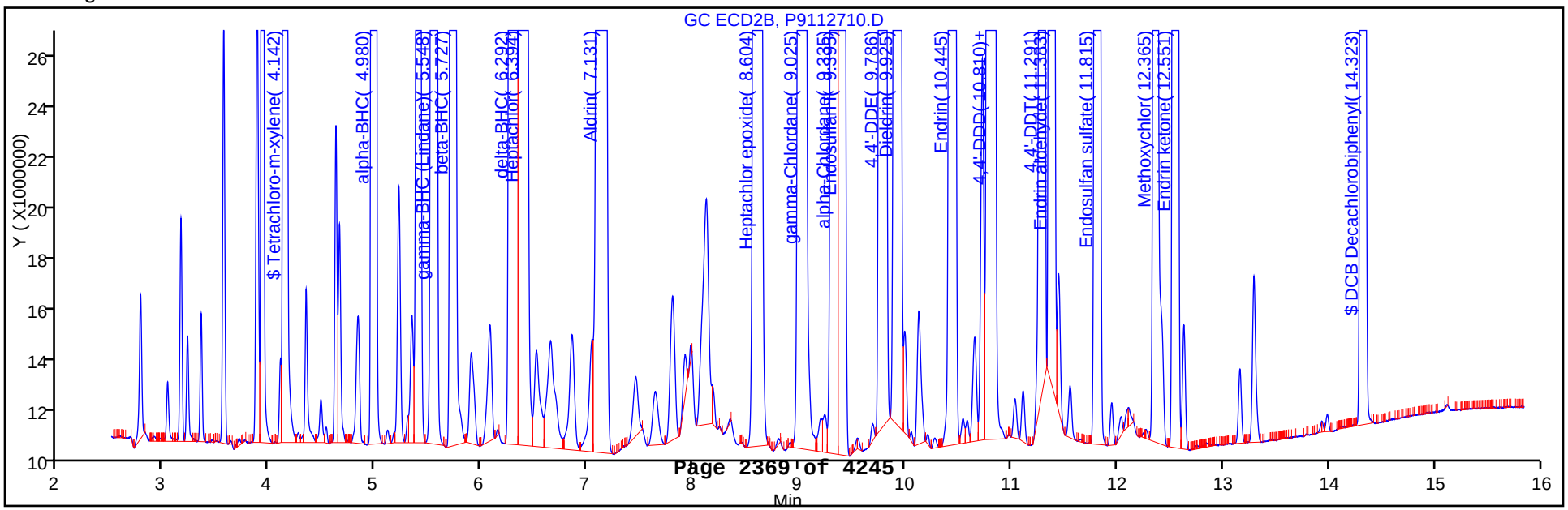
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112710.D

Injection Date:	28-Nov-2012 05:55:06	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	10
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	9.483	9.483	9.486	9.484	9.485						9.453 - 9.513	9.484
Toxaphene Peak 2	10.025	10.026	10.024	10.022	10.026						9.993 - 10.053	10.025
Toxaphene Peak 3	10.090	10.091	10.091	10.089	10.094						10.061 - 10.121	10.091
Toxaphene Peak 4	10.673	10.672	10.671	10.672	10.672						10.641 - 10.701	10.672
Toxaphene Peak 5	11.233	11.235	11.236	11.234	11.236						11.203 - 11.263	11.235

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	80950235 86881336	82753104	80907243	80284826	Ave		82355348.8				3.3		20.0			
Toxaphene Peak 2	82964865 81759889	83067658	77060439	78137229	Ave		80598016.0				3.5		20.0			
Toxaphene Peak 3	54663130 66004296	60911214	60423711	58572962	Ave		60115062.5				6.8		20.0			
Toxaphene Peak 4	74852935 85136678	81306668	77201216	77453284	Ave		79190156.0				5.1		20.0			
Toxaphene Peak 5	42325750 53808245	45373554	46432367	47516675	Ave		47091318.1				9.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-1 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	16190047	41376552	80907243	160569651	434406682	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	16592973	41533829	77060439	156274458	408799446	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	10932626	30455607	60423711	117145923	330021479	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	14970587	40653334	77201216	154906567	425683388	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	8465150	22686777	46432367	95033349	269041226	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 28-Nov-2012 06:50:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015316-012
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 66500 Lims Sample ID: 12
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:19 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:40:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	16190047	0.1966		100.0	M
1	2	10.025	10.023	0.002	16592973	0.2059	75.2- 115.2	102.5	M
1	3	10.090	10.091	-0.001	10932626	0.1819	54.7- 94.7	67.5	M
1	4	10.673	10.671	0.002	14970587	0.1890	75.4- 115.4	92.5	M
1	5	11.233	11.233	0.000	8465150	0.1798	37.4- 77.4	52.3	M
			Average of Peak Amounts =			0.1906			
2	100	10.379	10.382	-0.003	42205034	0.2183		100.0	M
2	2	11.400	11.399	0.001	52217741	0.2075	108.0- 148.0	123.7	M
2	3	11.746	11.746	0.000	18298378	0.1940	28.1- 68.1	43.4	M
2	4	12.149	12.148	0.001	36336407	0.1979	72.6- 112.6	86.1	M
2	5	12.536	12.535	0.001	11019761	0.1820	9.6- 49.6	26.1	M
			Average of Peak Amounts =			0.1999			
						RPD = 4.76			

QC Flag Legend

Review Flags
M - Manually Integrated

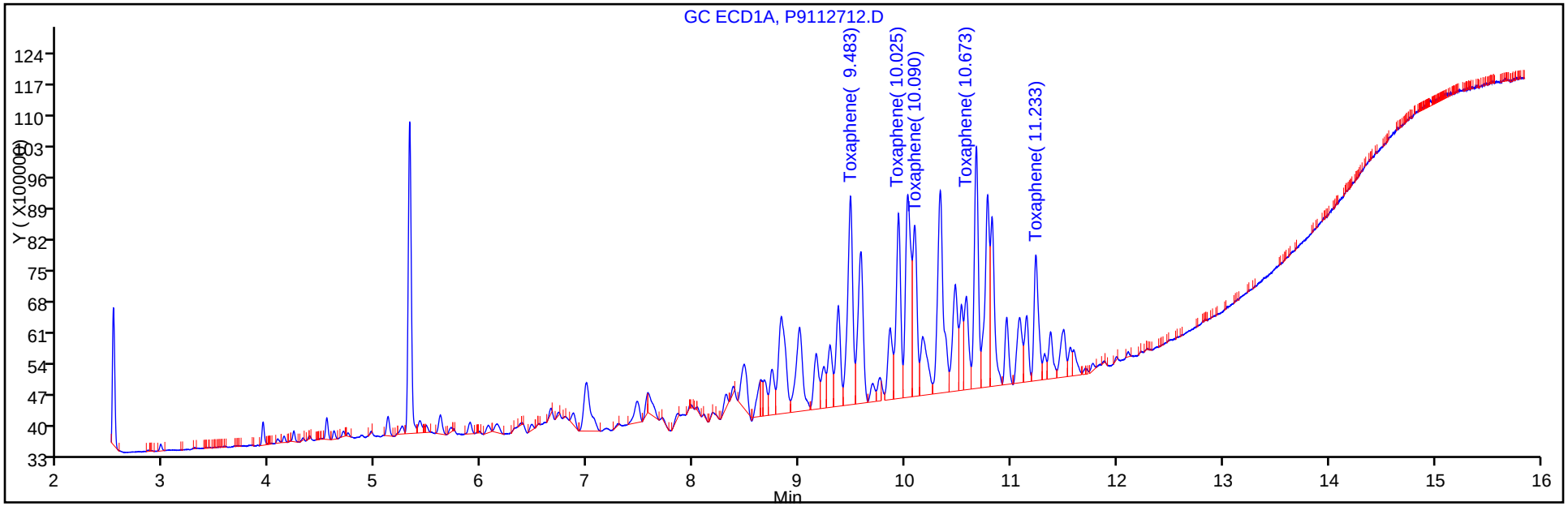
Report Date: 29-Nov-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

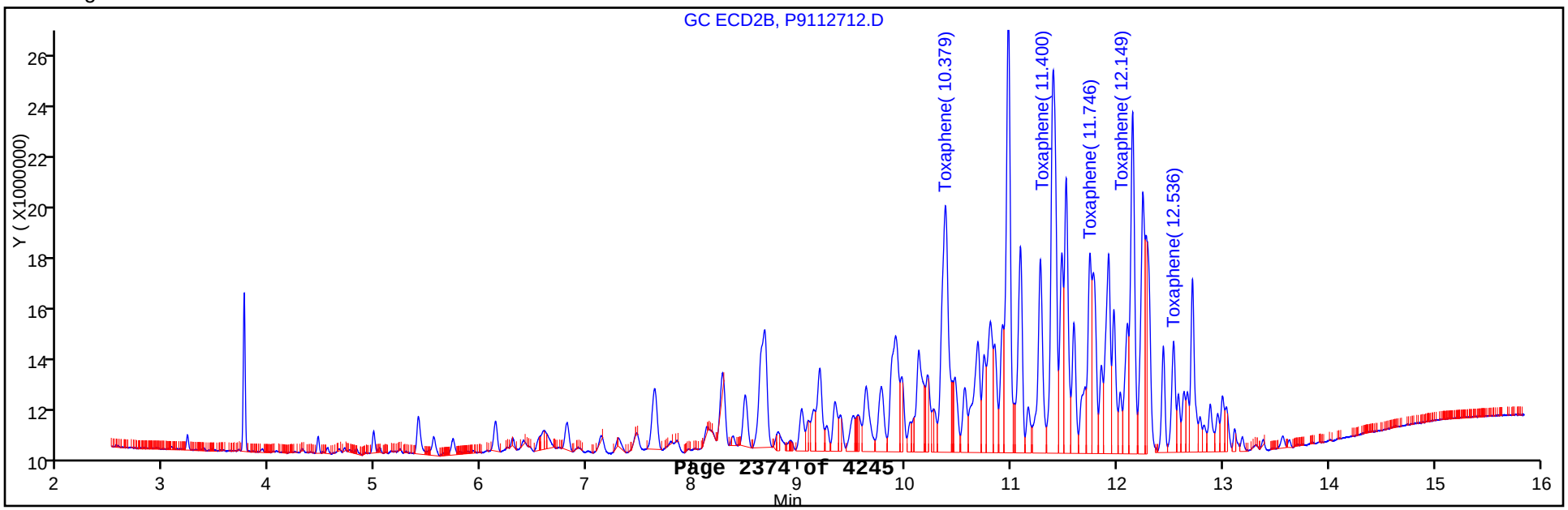
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D

Injection Date:	28-Nov-2012 06:50:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



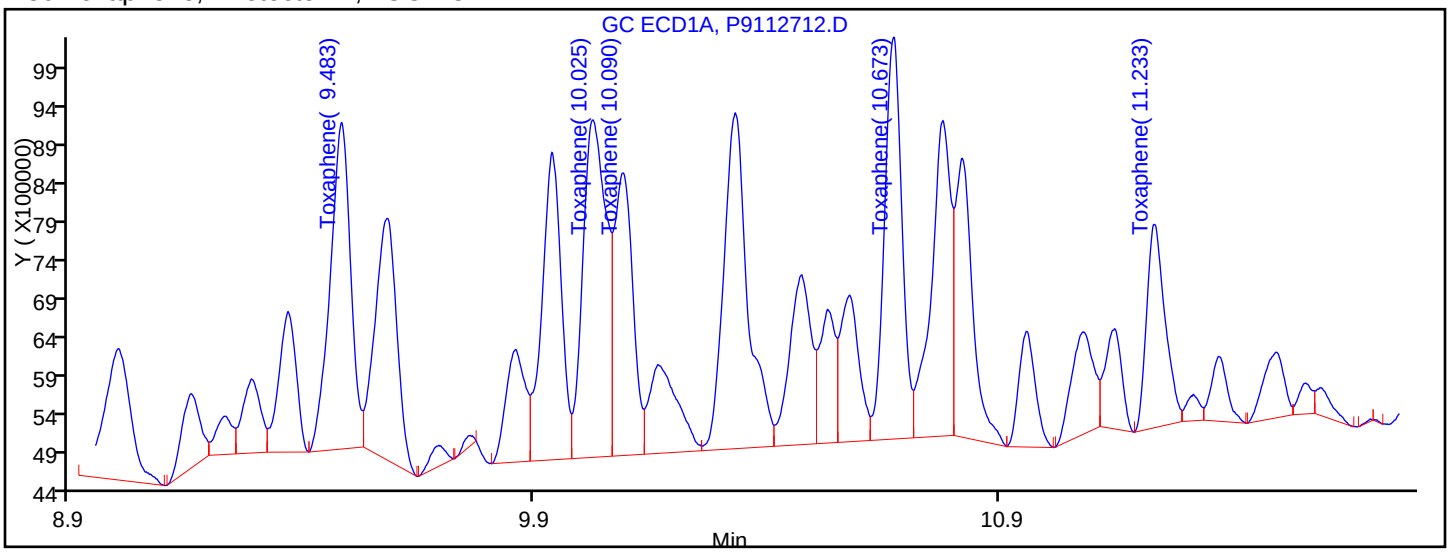
Report Date: 29-Nov-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D

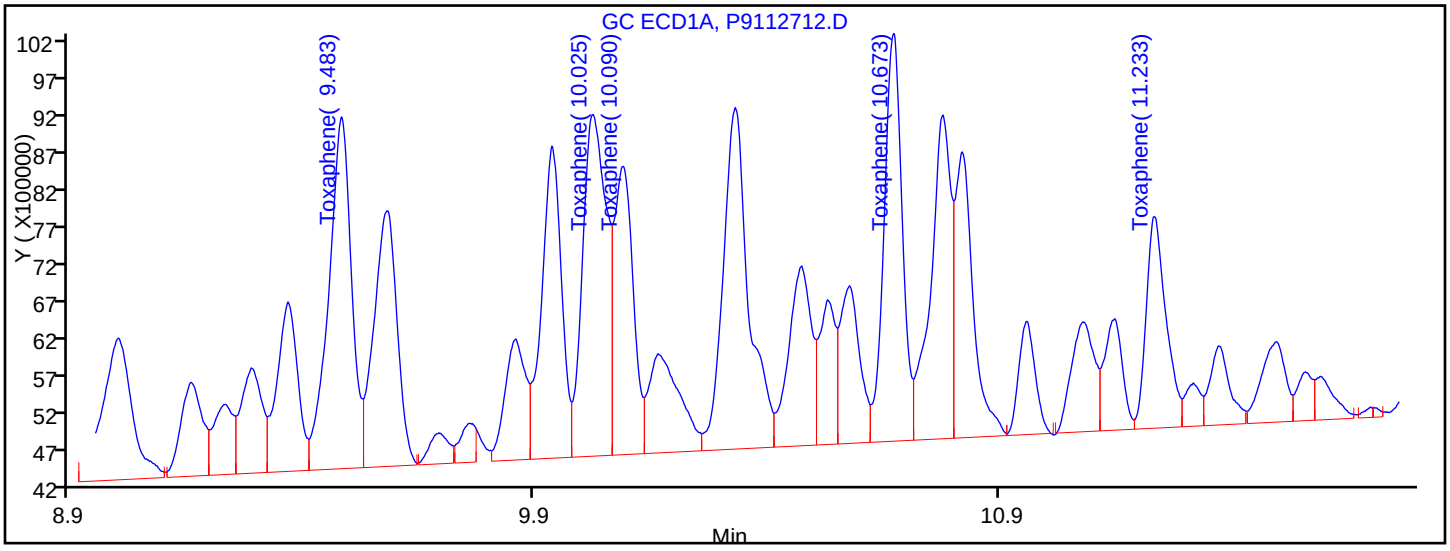
Injection Date:	28-Nov-2012 06:50:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.483	Response = 13166443	M
RT = 10.025	Response = 15781995	M
RT = 10.090	Response = 10271892	M
RT = 10.673	Response = 13886522	M
RT = 11.233	Response = 7379432	M



Manual Integration Results

RT = 9.483	Response = 16190047	M
RT = 10.025	Response = 16592973	M
RT = 10.090	Response = 10932626	M
RT = 10.673	Response = 14970587	M
RT = 11.233	Response = 8465150	M

Reviewer: vandorenc, 29-Nov-2012 09:40:57

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D
Lims ID: STD TOX2 Client ID:
Inject. Date: 28-Nov-2012 07:18:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0015316-013
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 66500 Lims Sample ID: 13
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:22 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:41:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	41376552	0.5024		100.0	
1	2	10.026	10.023	0.003	41533829	0.5153	75.2- 115.2	100.4	
1	3	10.091	10.091	0.000	30455607	0.5066	54.7- 94.7	73.6	
1	4	10.672	10.671	0.001	40653334	0.5134	75.4- 115.4	98.3	
1	5	11.235	11.233	0.002	22686777	0.4818	37.4- 77.4	54.8	
			Average of Peak Amounts =			0.5039			
2	100	10.381	10.382	-0.001	106930022	0.5531		100.0	M
2	2	11.397	11.399	-0.002	136078541	0.5407	108.0- 148.0	127.3	M
2	3	11.748	11.746	0.002	50065956	0.5307	28.1- 68.1	46.8	M
2	4	12.148	12.148	0.000	98032016	0.5339	72.6- 112.6	91.7	M
2	5	12.535	12.535	0.000	32975098	0.5445	9.6- 49.6	30.8	M
			Average of Peak Amounts =			0.5406			
						RPD = 7.02			

QC Flag Legend

Review Flags
M - Manually Integrated

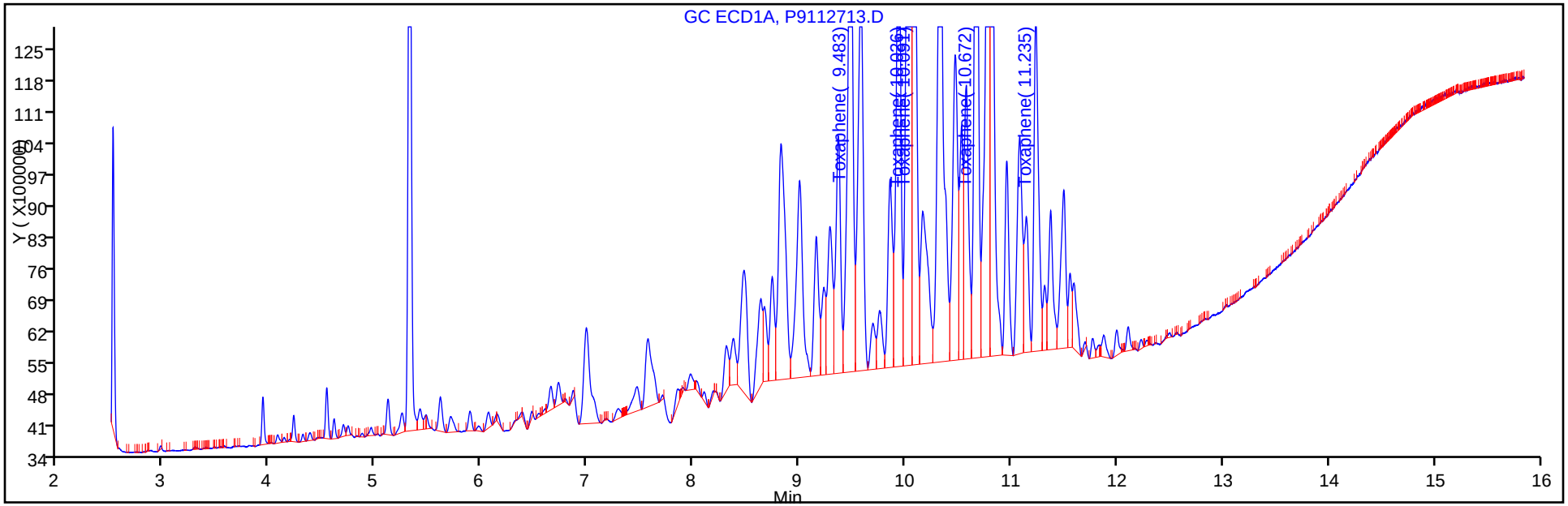
Report Date: 29-Nov-2012 09:55:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

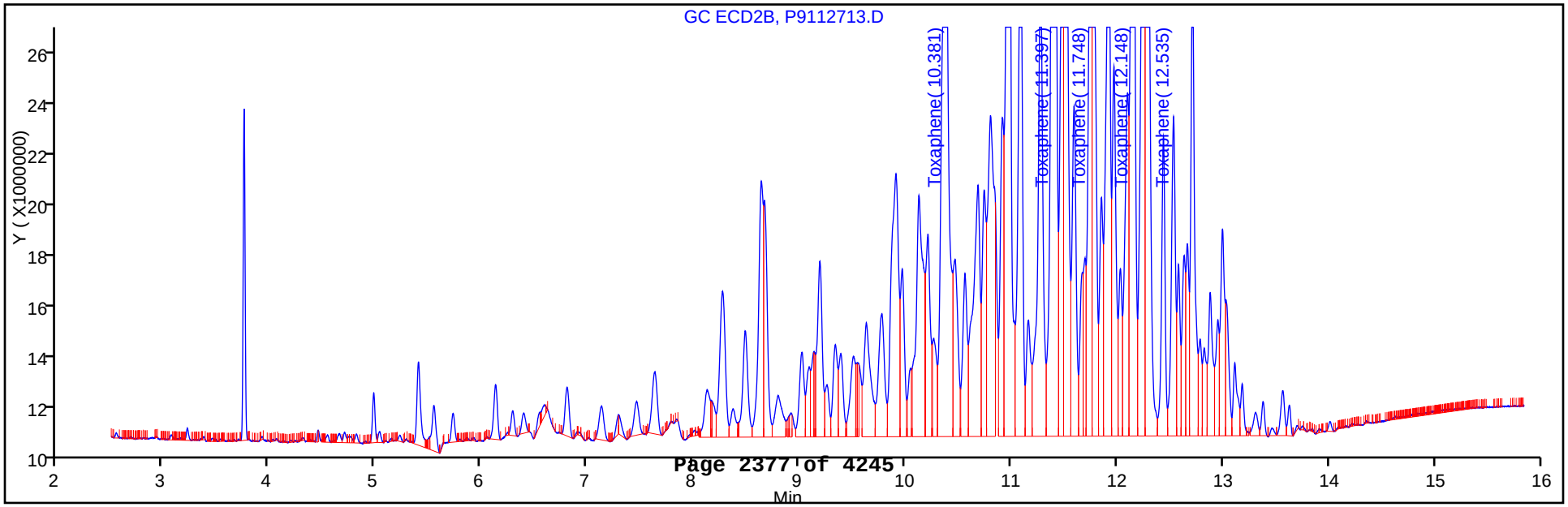
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D

Injection Date:	28-Nov-2012 07:18:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D		
Lims ID:	STD TOX3	Client ID:	
Inject. Date:	28-Nov-2012 07:46:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	240-0015316-014		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	66500	Lims Sample ID:	14
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:24	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:41:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.486	9.486	0.000	80907243	0.9824		100.0	M
1	2	10.024	10.024	0.000	77060439	0.9561	75.2- 115.2	95.2	M
1	3	10.091	10.091	0.000	60423711	1.01	54.7- 94.7	74.7	M
1	4	10.671	10.671	0.000	77201216	0.9749	75.4- 115.4	95.4	M
1	5	11.236	11.236	0.000	46432367	0.9860	37.4- 77.4	57.4	M
			Average of Peak Amounts =			0.9809			
2	100	10.382	10.382	0.000	182034158	0.9416		100.0	M
2	2	11.398	11.398	0.000	232967561	0.9257	108.0- 148.0	128.0	M
2	3	11.746	11.746	0.000	87578224	0.9283	28.1- 68.1	48.1	M
2	4	12.148	12.148	0.000	168652486	0.9185	72.6- 112.6	92.6	M
2	5	12.534	12.534	0.000	53896308	0.8899	9.6- 49.6	29.6	M
			Average of Peak Amounts =			0.9208			
						RPD = 6.32			

QC Flag Legend

Review Flags
M - Manually Integrated

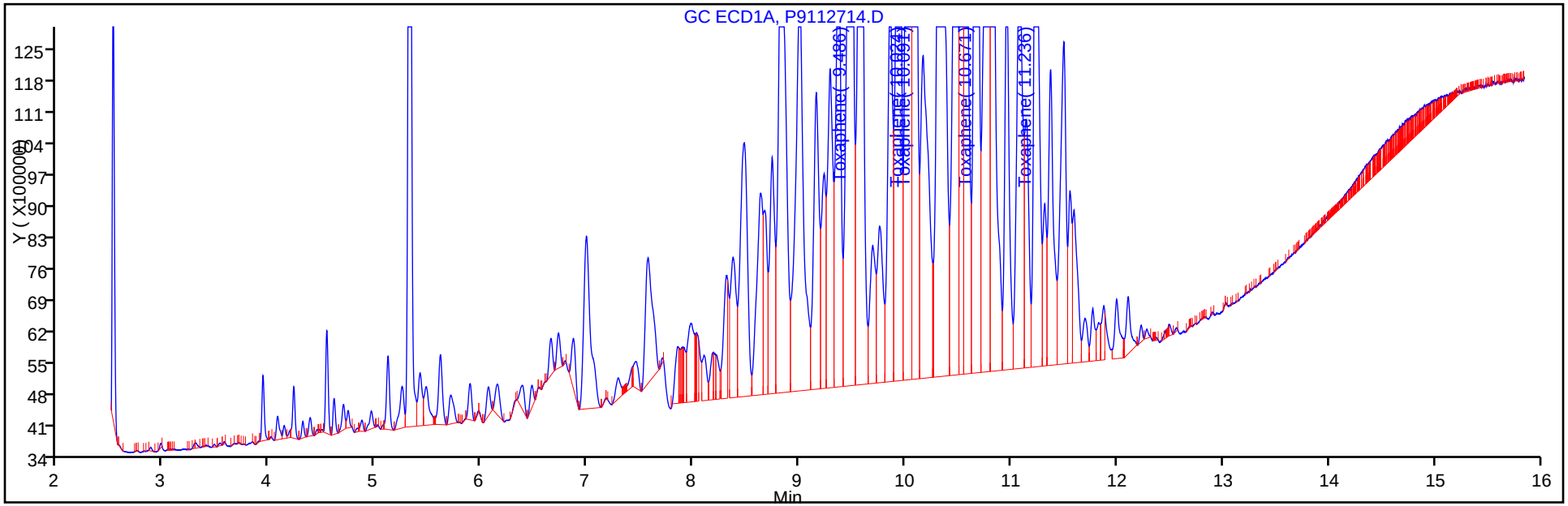
Report Date: 29-Nov-2012 09:55:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

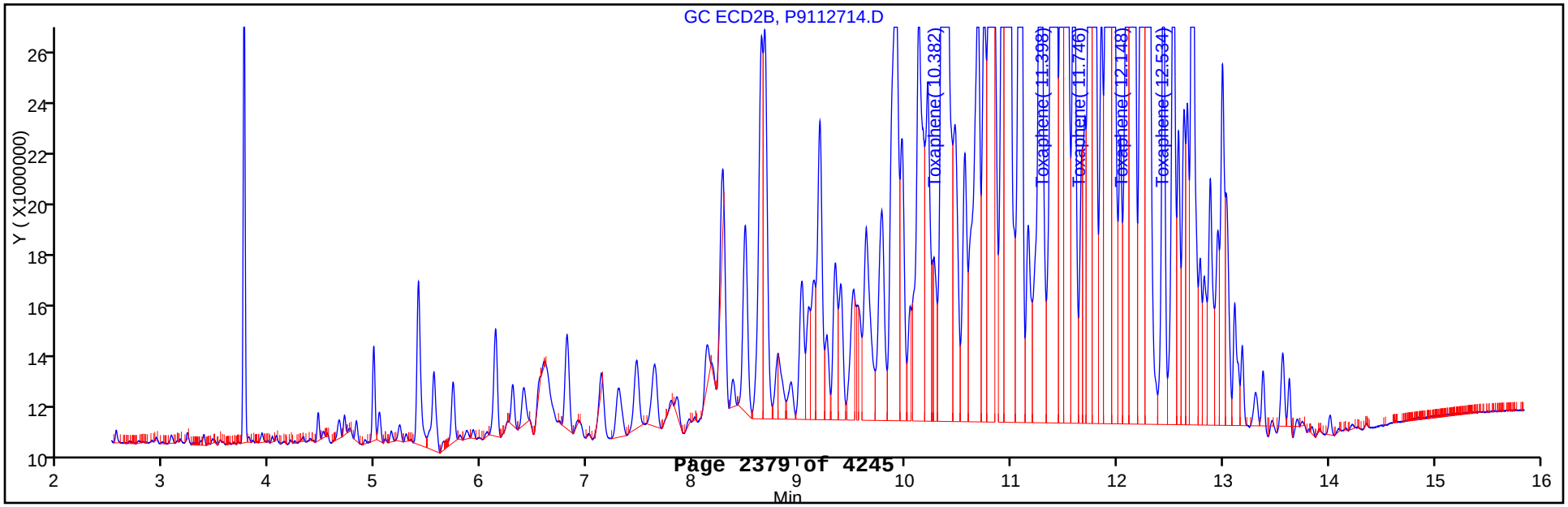
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D

Injection Date:	28-Nov-2012 07:46:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



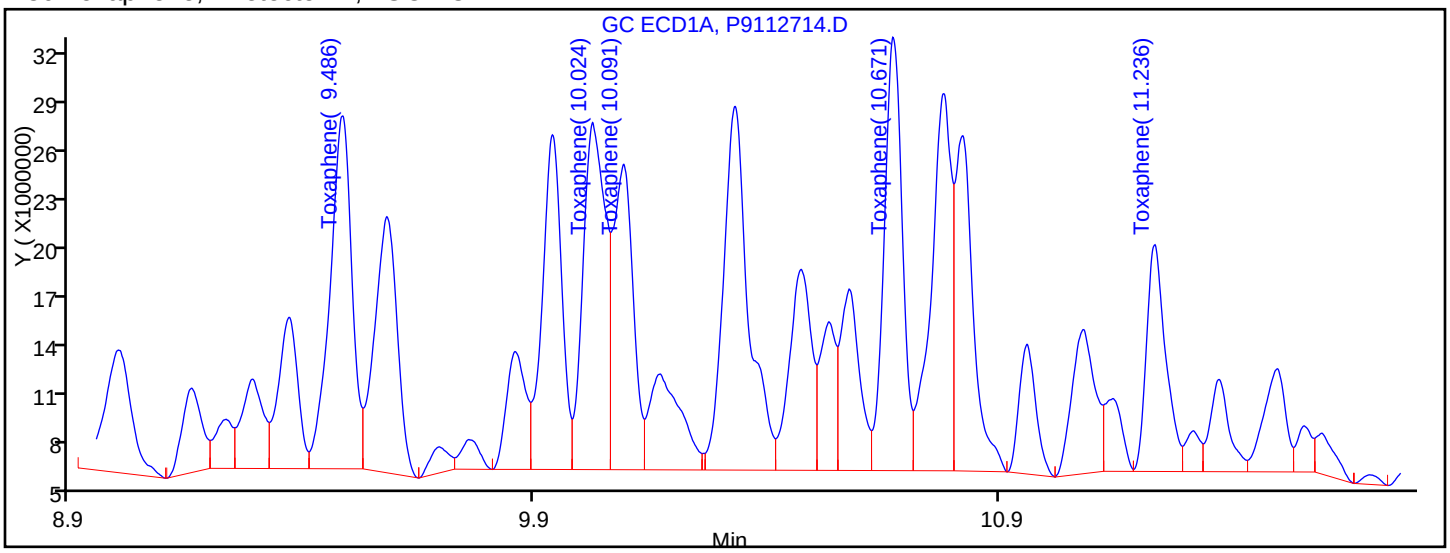
Report Date: 29-Nov-2012 09:55:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D

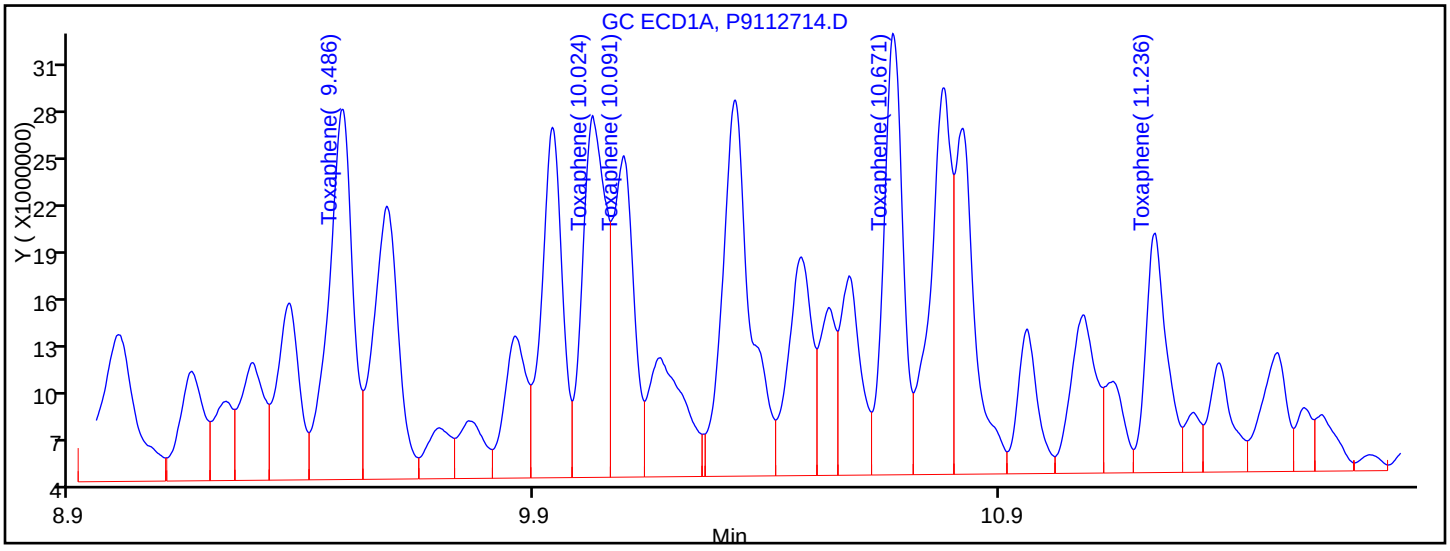
Injection Date:	28-Nov-2012 07:46:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.486	Response = 67959678	M
RT = 10.024	Response = 68741090	M
RT = 10.091	Response = 53142358	M
RT = 10.671	Response = 69286622	M
RT = 11.236	Response = 38329364	M



Manual Integration Results

RT = 9.486	Response = 80907243	M
RT = 10.024	Response = 77060439	M
RT = 10.091	Response = 60423711	M
RT = 10.671	Response = 77201216	M
RT = 11.236	Response = 46432367	M

Reviewer: vandorenc, 29-Nov-2012 09:41:33

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 28-Nov-2012 08:14:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015316-015
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 66500 Lims Sample ID: 15
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:27 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:44:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.484	9.486	-0.002	160569651	1.95		100.0	M
1	2	10.022	10.024	-0.002	156274458	1.94	75.2- 115.2	97.3	M
1	3	10.089	10.091	-0.002	117145923	1.95	54.7- 94.7	73.0	M
1	4	10.672	10.671	0.001	154906567	1.96	75.4- 115.4	96.5	M
1	5	11.234	11.236	-0.002	95033349	2.02	37.4- 77.4	59.2	M
			Average of Peak Amounts =			1.96			
2	100	10.382	10.382	0.000	348824562	1.80		100.0	M
2	2	11.398	11.398	0.000	470139725	1.87	108.0- 148.0	134.8	M
2	3	11.746	11.746	0.000	179113237	1.90	28.1- 68.1	51.3	M
2	4	12.149	12.148	0.001	350034030	1.91	72.6- 112.6	100.3	M
2	5	12.534	12.534	0.000	117886645	1.95	9.6- 49.6	33.8	M
			Average of Peak Amounts =			1.88			
						RPD = 4.03			

QC Flag Legend

Review Flags
M - Manually Integrated

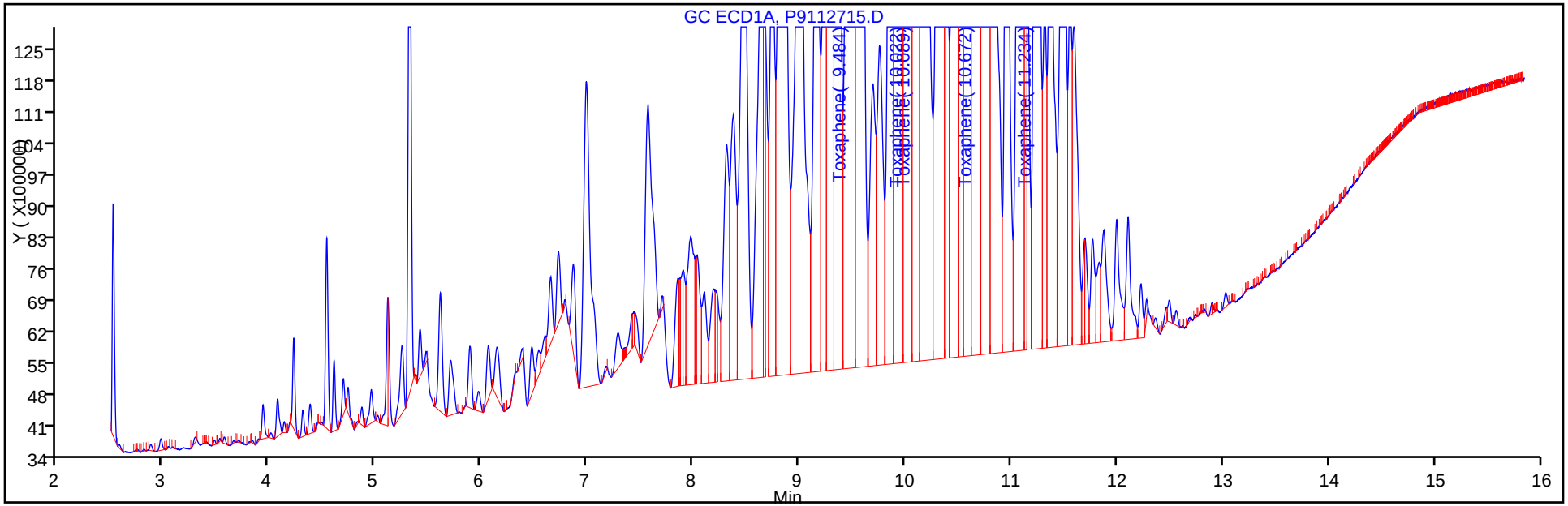
Report Date: 29-Nov-2012 09:55:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

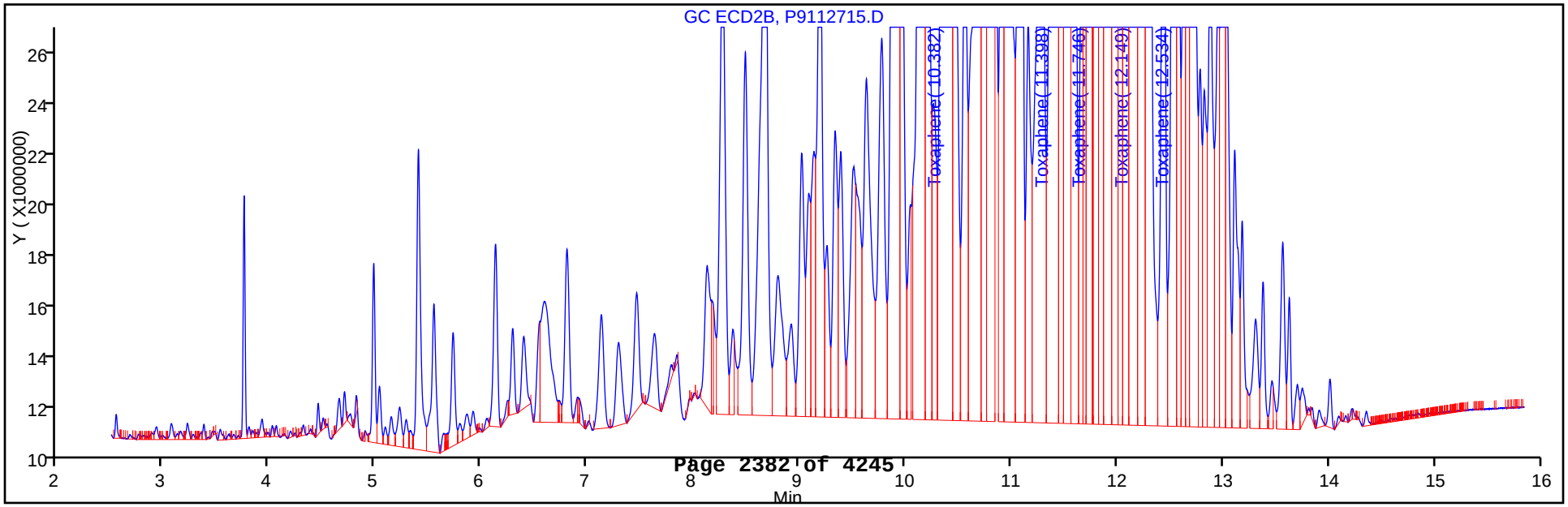
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D

Injection Date:	28-Nov-2012 08:14:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



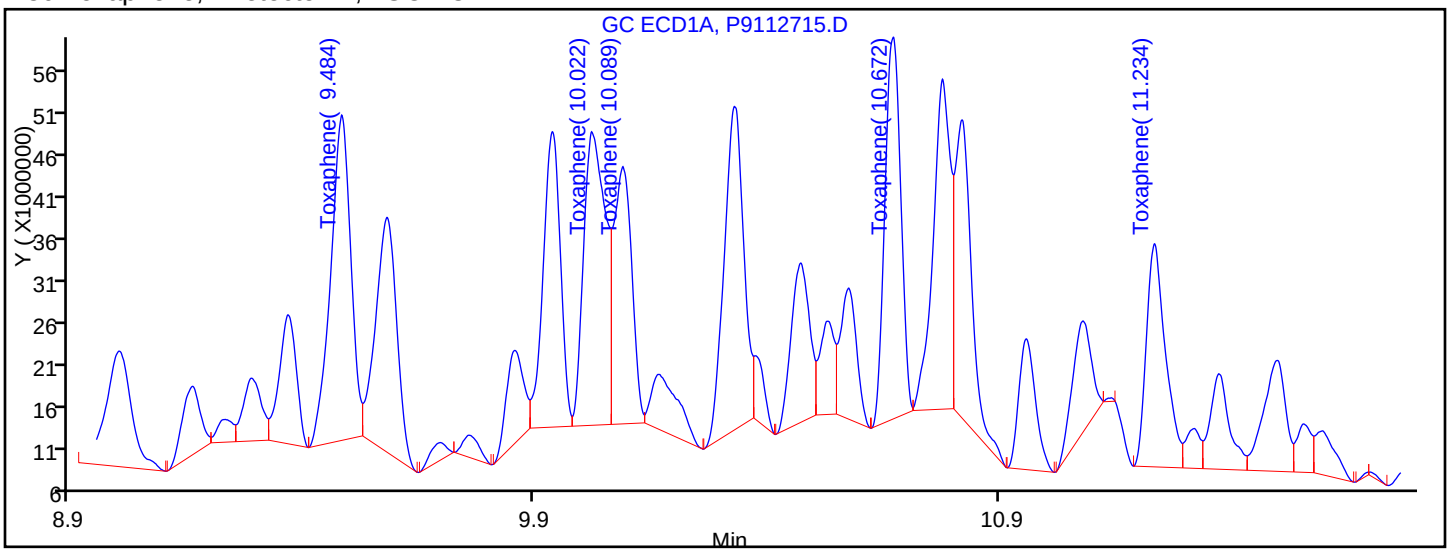
Report Date: 29-Nov-2012 09:55:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D

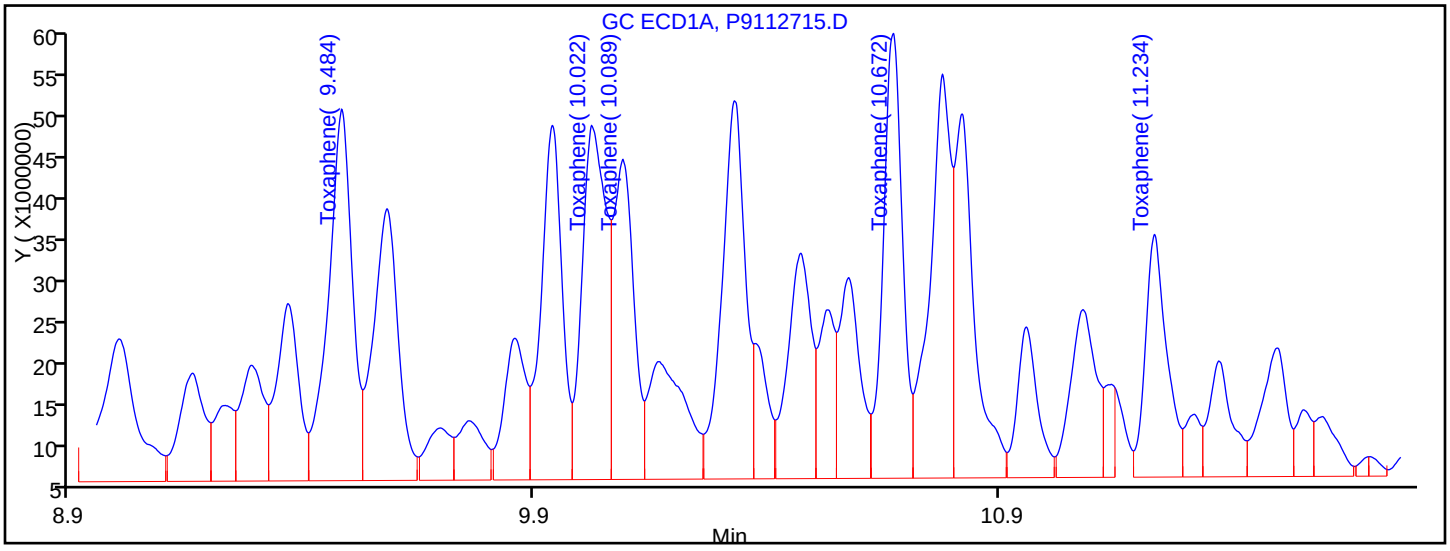
Injection Date:	28-Nov-2012 08:14:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.484	Response = 115596323	M
RT = 10.022	Response = 114545722	M
RT = 10.089	Response = 80855794	M
RT = 10.672	Response = 107394497	M
RT = 11.234	Response = 75599910	M



Manual Integration Results

RT = 9.484	Response = 160569651	M
RT = 10.022	Response = 156274458	M
RT = 10.089	Response = 117145923	M
RT = 10.672	Response = 154906567	M
RT = 11.234	Response = 95033349	M

Reviewer: vandorenc, 29-Nov-2012 09:44:18

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Lims ID: STD TOX5 Client ID:
Inject. Date: 28-Nov-2012 08:42:02 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0015316-016
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 66500 Lims Sample ID: 16
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:29 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:44:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.485	9.486	-0.001	434406682	5.27		100.0	M
1	2	10.026	10.024	0.002	408799446	5.07	75.2- 115.2	94.1	M
1	3	10.094	10.091	0.003	330021479	5.49	54.7- 94.7	76.0	M
1	4	10.672	10.671	0.001	425683388	5.38	75.4- 115.4	98.0	M
1	5	11.236	11.236	0.000	269041226	5.71	37.4- 77.4	61.9	M
			Average of Peak Amounts =			5.39			
2	100	10.383	10.382	0.001	926576092	4.79		100.0	M
2	2	11.397	11.398	-0.001	1285442157	5.11	108.0- 148.0	138.7	M
2	3	11.747	11.746	0.001	514771352	5.46	28.1- 68.1	55.6	M
2	4	12.150	12.148	0.002	983492026	5.36	72.6- 112.6	106.1	M
2	5	12.535	12.534	0.001	344613683	5.69	9.6- 49.6	37.2	M
			Average of Peak Amounts =			5.28			
						RPD = 1.96			

QC Flag Legend

Review Flags
M - Manually Integrated

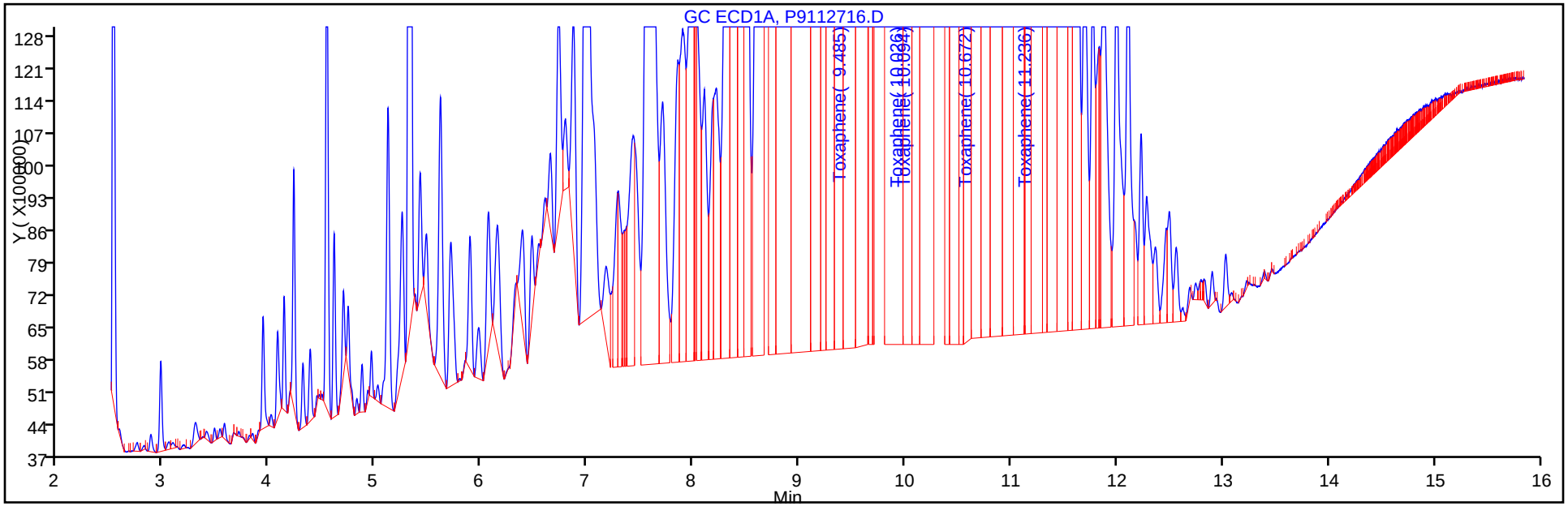
Report Date: 29-Nov-2012 09:55:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

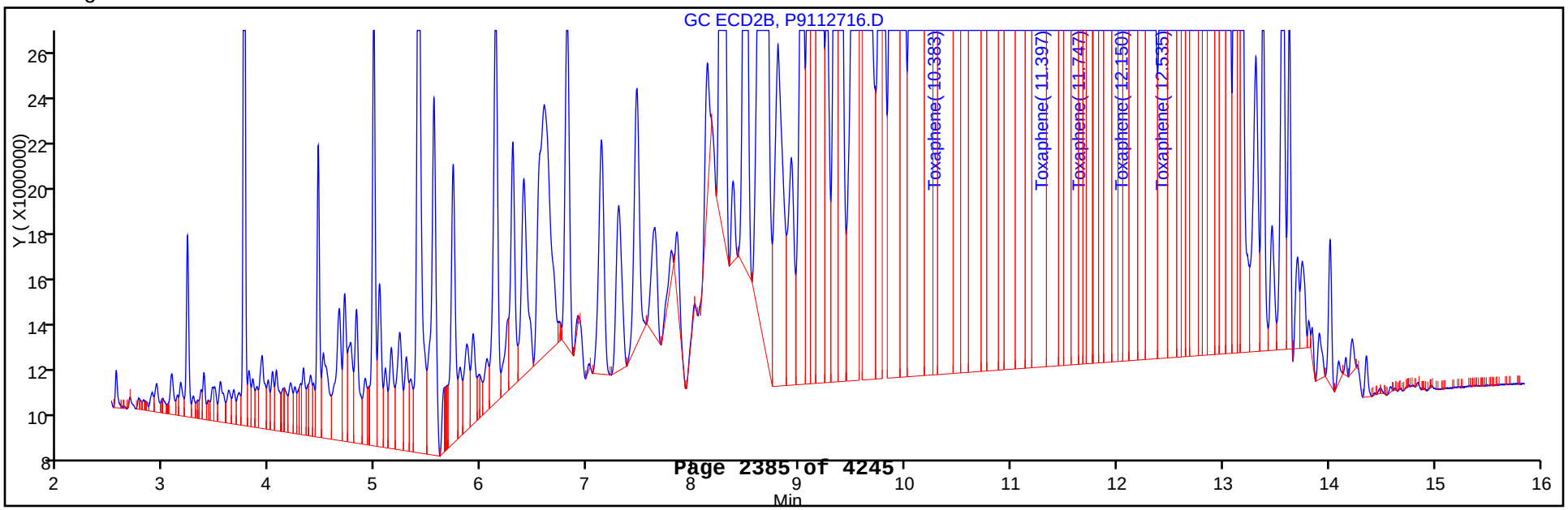
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D

Injection Date:	28-Nov-2012 08:42:02	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



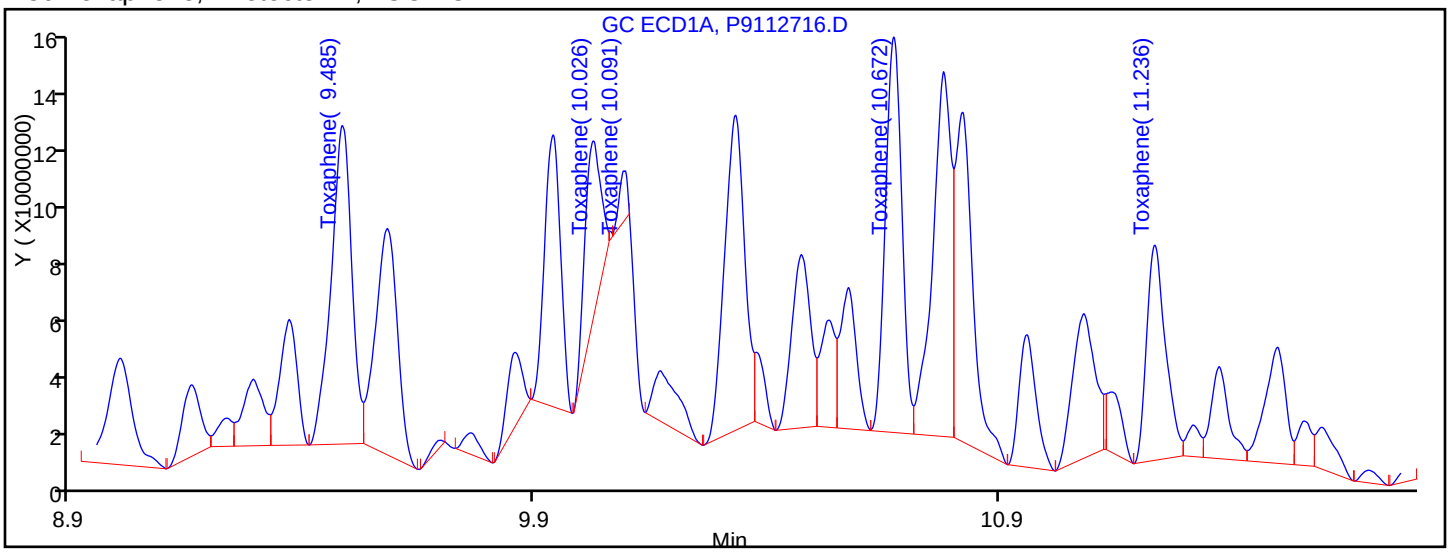
Report Date: 29-Nov-2012 09:55:30 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D

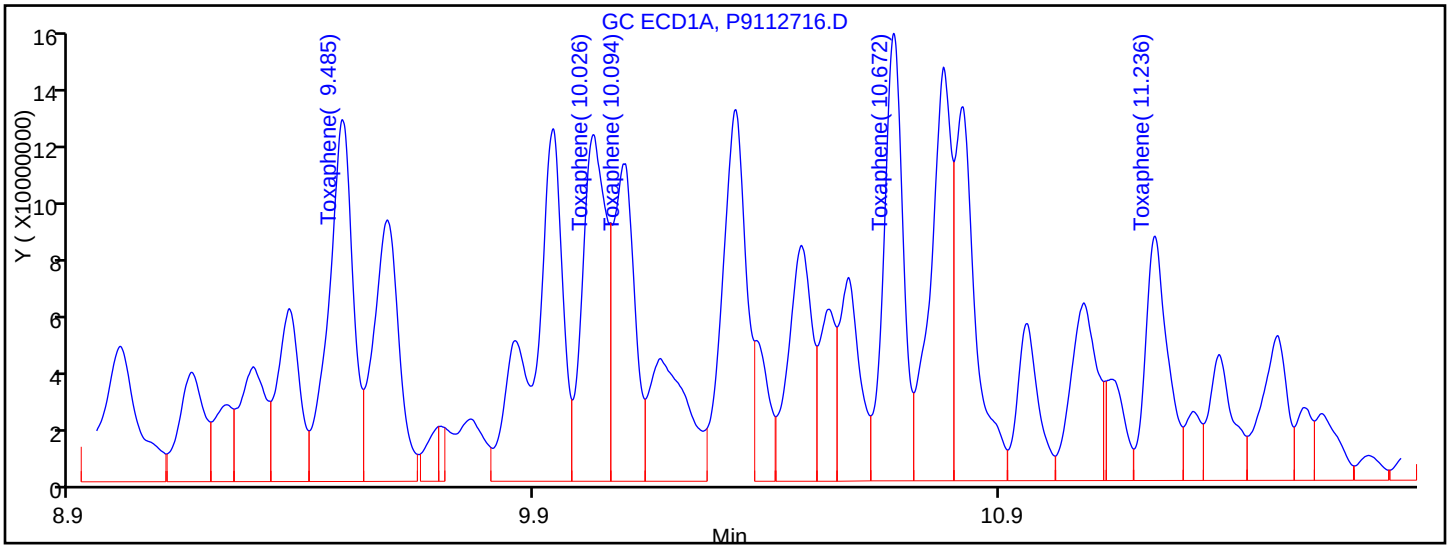
Injection Date:	28-Nov-2012 08:42:02	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.485	Response = 315878934	M
RT = 10.026	Response = 136588031	M
RT = 10.091	Response = 19641023	M
RT = 10.672	Response = 312692020	M
RT = 11.236	Response = 195237610	M



Manual Integration Results

RT = 9.485	Response = 434406682	M
RT = 10.026	Response = 408799446	M
RT = 10.094	Response = 330021479	M
RT = 10.672	Response = 425683388	M
RT = 11.236	Response = 269041226	M

Reviewer: vandorenc, 29-Nov-2012 09:44:43

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	10.379	10.381	10.382	10.382	10.383						10.352 - 10.412	10.381
Toxaphene Peak 2	11.400	11.397	11.398	11.398	11.397						11.369 - 11.429	11.398
Toxaphene Peak 3	11.746	11.748	11.746	11.746	11.747						11.716 - 11.776	11.747
Toxaphene Peak 4	12.149	12.148	12.148	12.149	12.150						12.118 - 12.178	12.149
Toxaphene Peak 5	12.536	12.535	12.534	12.534	12.535						12.505 - 12.565	12.535

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	211025170 185315218	213860044	182034158	174412281	Ave		193329374				9.3		20.0			
Toxaphene Peak 2	261088705 257088431	272157082	232967561	235069863	Ave		251674328				6.8		20.0			
Toxaphene Peak 3	91491890 102954270	100131912	87578224	89556619	Ave		94342583.0				7.2		20.0			
Toxaphene Peak 4	181682035 196698405	196064032	168652486	175017015	Ave		183622795				6.8		20.0			
Toxaphene Peak 5	55098805 68922737	65950196	53896308	58943322	Ave		60562273.6				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-17796-1 Analy Batch No.: 66500

SDG No.:

Instrument ID: A2HP9 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/28/2012 06:50 Calibration End Date: 11/28/2012 08:42 Calibration ID: 12537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-66500/12	P9112712.D
Level 2	STD 240-66500/13	P9112713.D
Level 3	STD 240-66500/14	P9112714.D
Level 4	STD 240-66500/15	P9112715.D
Level 5	STD 240-66500/16	P9112716.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	42205034	106930022	182034158	348824562	926576092	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 2	Ave	52217741	136078541	232967561	470139725	1285442157	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 3	Ave	18298378	50065956	87578224	179113237	514771352	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 4	Ave	36336407	98032016	168652486	350034030	983492026	0.200	0.500	1.00	2.00	5.00
Toxaphene Peak 5	Ave	11019761	32975098	53896308	117886645	344613683	0.200	0.500	1.00	2.00	5.00

Curve Type Legend:
Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D
Lims ID: STD TOX 1 Client ID:
Inject. Date: 28-Nov-2012 06:50:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0015316-012
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 66500 Lims Sample ID: 12
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:19 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:40:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	16190047	0.1966		100.0	M
1	2	10.025	10.023	0.002	16592973	0.2059	75.2- 115.2	102.5	M
1	3	10.090	10.091	-0.001	10932626	0.1819	54.7- 94.7	67.5	M
1	4	10.673	10.671	0.002	14970587	0.1890	75.4- 115.4	92.5	M
1	5	11.233	11.233	0.000	8465150	0.1798	37.4- 77.4	52.3	M
			Average of Peak Amounts =			0.1906			
2	100	10.379	10.382	-0.003	42205034	0.2183		100.0	M
2	2	11.400	11.399	0.001	52217741	0.2075	108.0- 148.0	123.7	M
2	3	11.746	11.746	0.000	18298378	0.1940	28.1- 68.1	43.4	M
2	4	12.149	12.148	0.001	36336407	0.1979	72.6- 112.6	86.1	M
2	5	12.536	12.535	0.001	11019761	0.1820	9.6- 49.6	26.1	M
			Average of Peak Amounts =			0.1999			
						RPD = 4.76			

QC Flag Legend

Review Flags
M - Manually Integrated

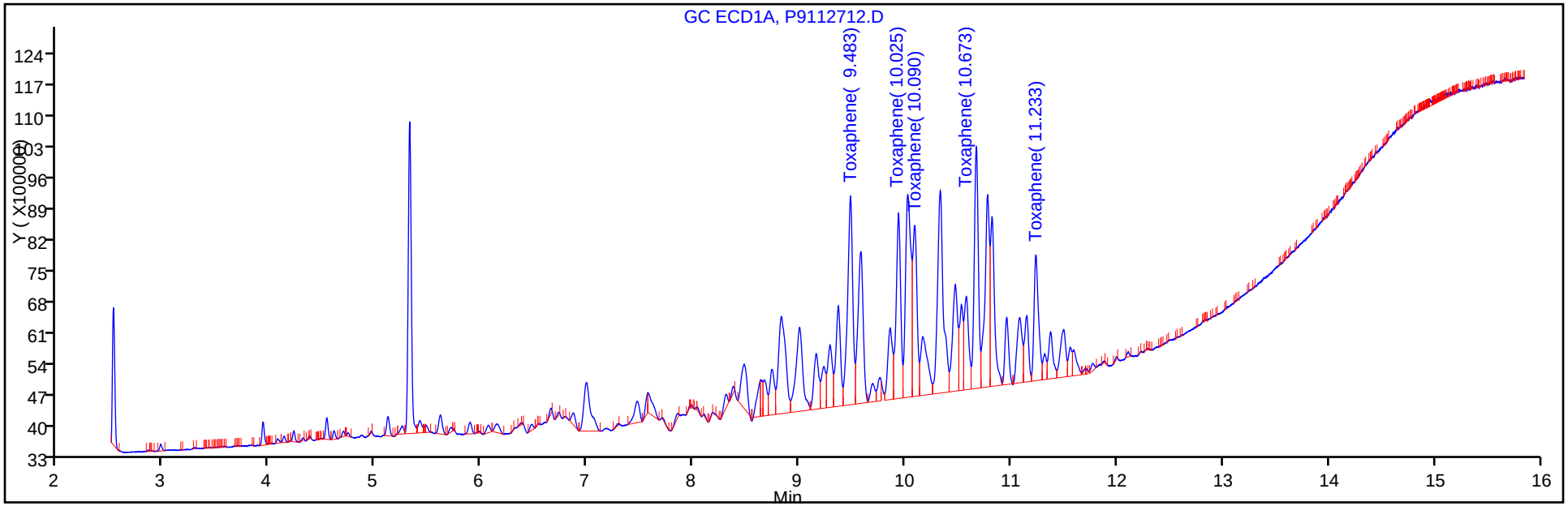
Report Date: 29-Nov-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

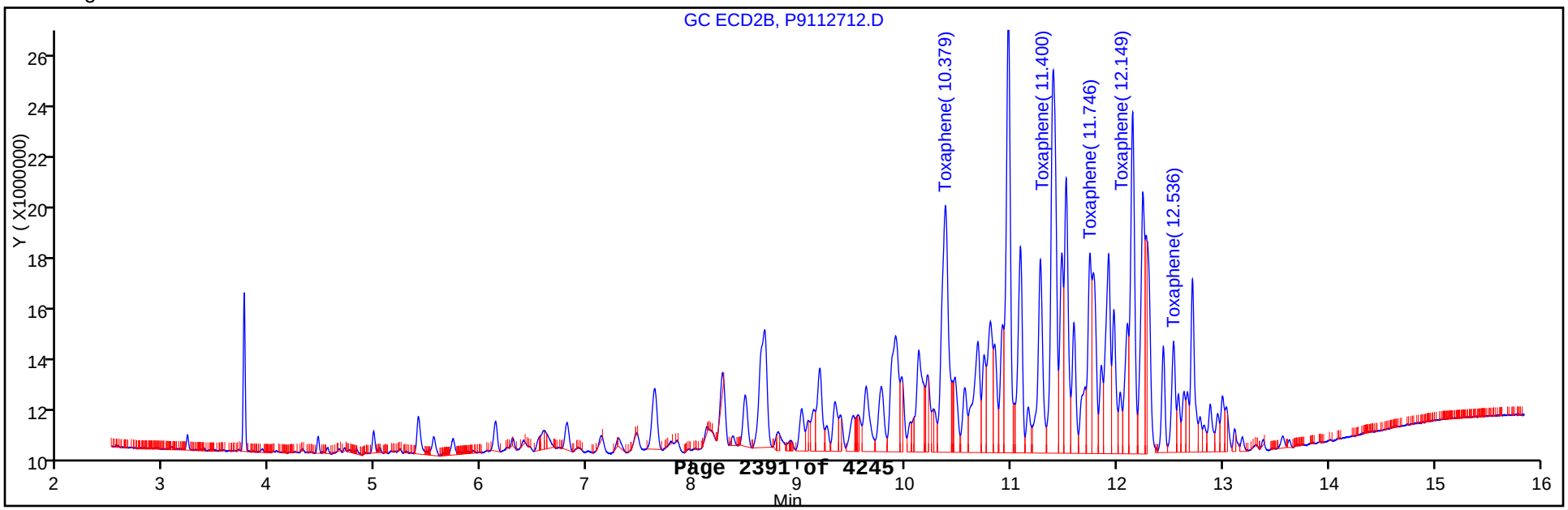
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D

Injection Date:	28-Nov-2012 06:50:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



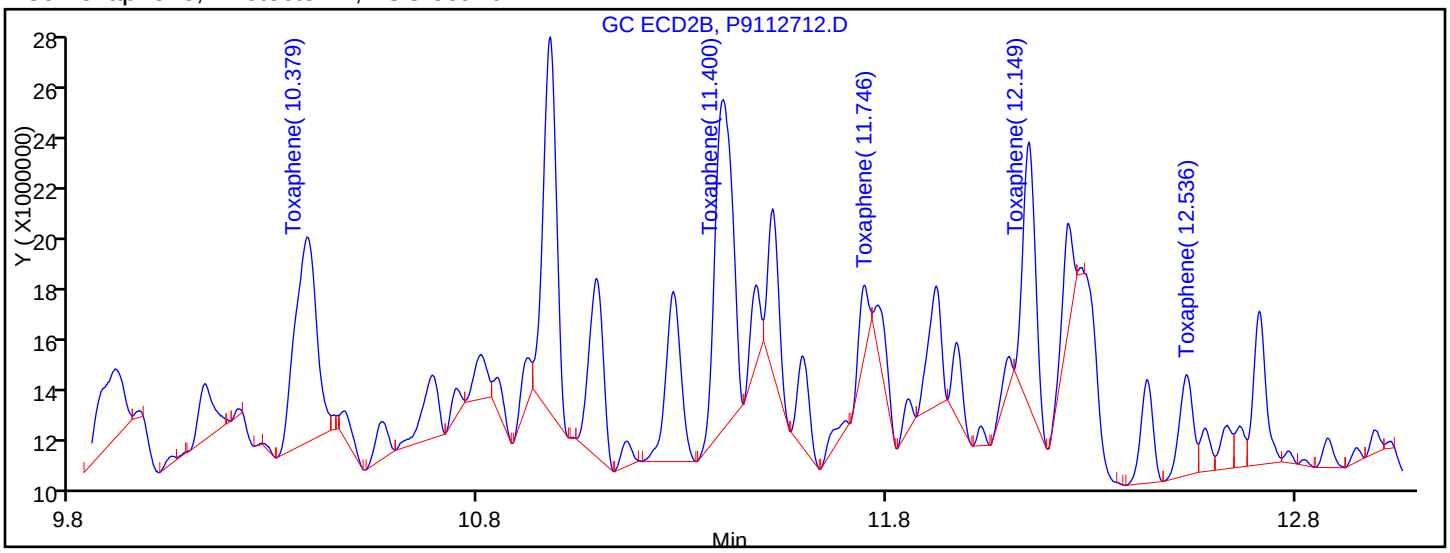
Report Date: 29-Nov-2012 09:55:21 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112712.D

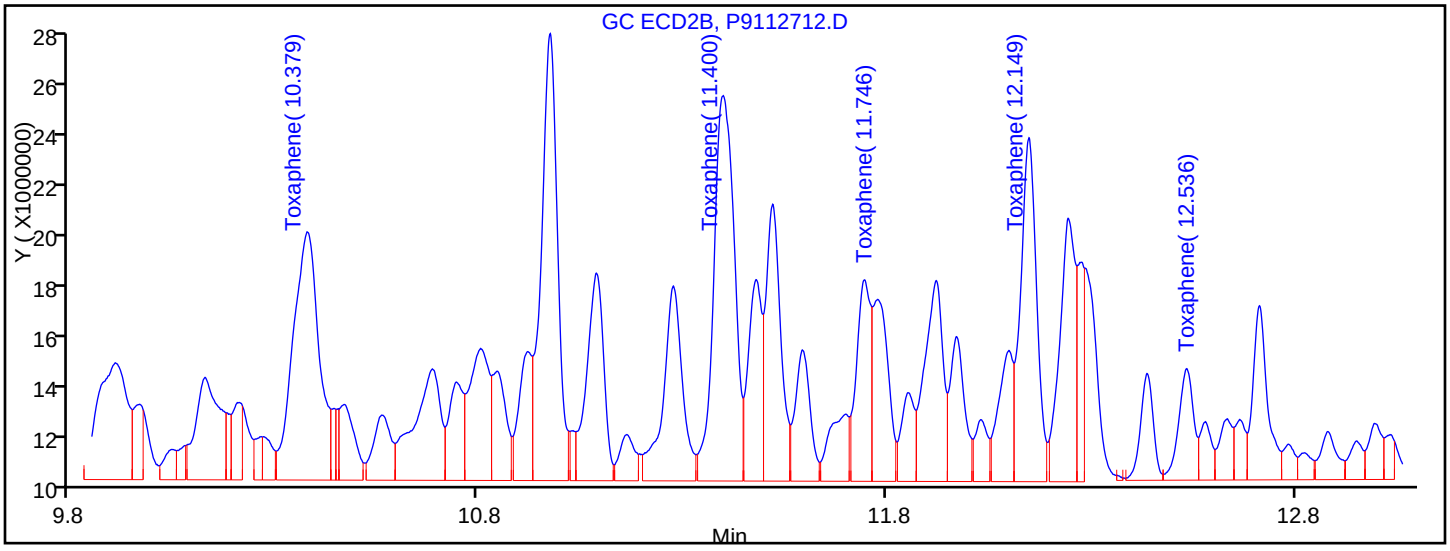
Injection Date:	28-Nov-2012 06:50:48	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	12
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.379	Response = 29084870	M
RT = 11.400	Response = 38125015	M
RT = 11.746	Response = 4343604	M
RT = 12.149	Response = 21759596	M
RT = 12.536	Response = 8976491	M



Manual Integration Results

RT = 10.379	Response = 42205034	M
RT = 11.400	Response = 52217741	M
RT = 11.746	Response = 18298378	M
RT = 12.149	Response = 36336407	M
RT = 12.536	Response = 11019761	M

Reviewer: vandorenc, 29-Nov-2012 09:40:57

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D		
Lims ID:	STD TOX2	Client ID:	
Inject. Date:	28-Nov-2012 07:18:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	240-0015316-013		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	66500	Lims Sample ID:	13
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:22	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:41:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	41376552	0.5024		100.0	
1	2	10.026	10.023	0.003	41533829	0.5153	75.2- 115.2	100.4	
1	3	10.091	10.091	0.000	30455607	0.5066	54.7- 94.7	73.6	
1	4	10.672	10.671	0.001	40653334	0.5134	75.4- 115.4	98.3	
1	5	11.235	11.233	0.002	22686777	0.4818	37.4- 77.4	54.8	
			Average of Peak Amounts =			0.5039			
2	100	10.381	10.382	-0.001	106930022	0.5531		100.0	M
2	2	11.397	11.399	-0.002	136078541	0.5407	108.0- 148.0	127.3	M
2	3	11.748	11.746	0.002	50065956	0.5307	28.1- 68.1	46.8	M
2	4	12.148	12.148	0.000	98032016	0.5339	72.6- 112.6	91.7	M
2	5	12.535	12.535	0.000	32975098	0.5445	9.6- 49.6	30.8	M
			Average of Peak Amounts =			0.5406			
						RPD = 7.02			

QC Flag Legend

Review Flags
M - Manually Integrated

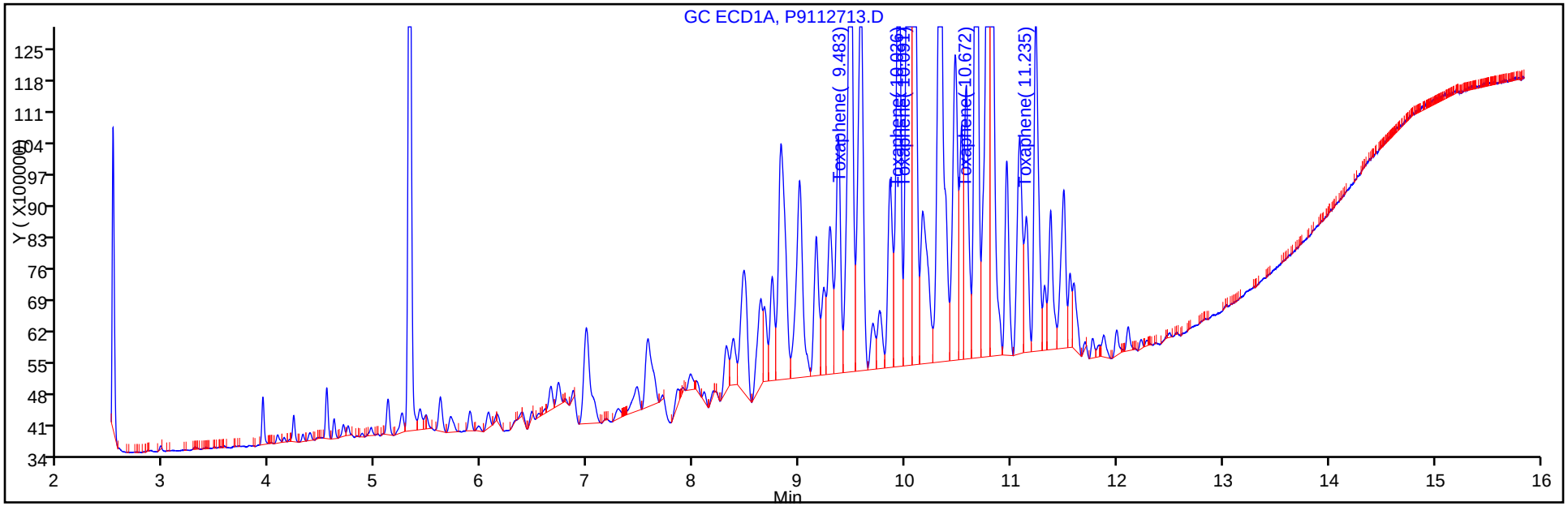
Report Date: 29-Nov-2012 09:55:23 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

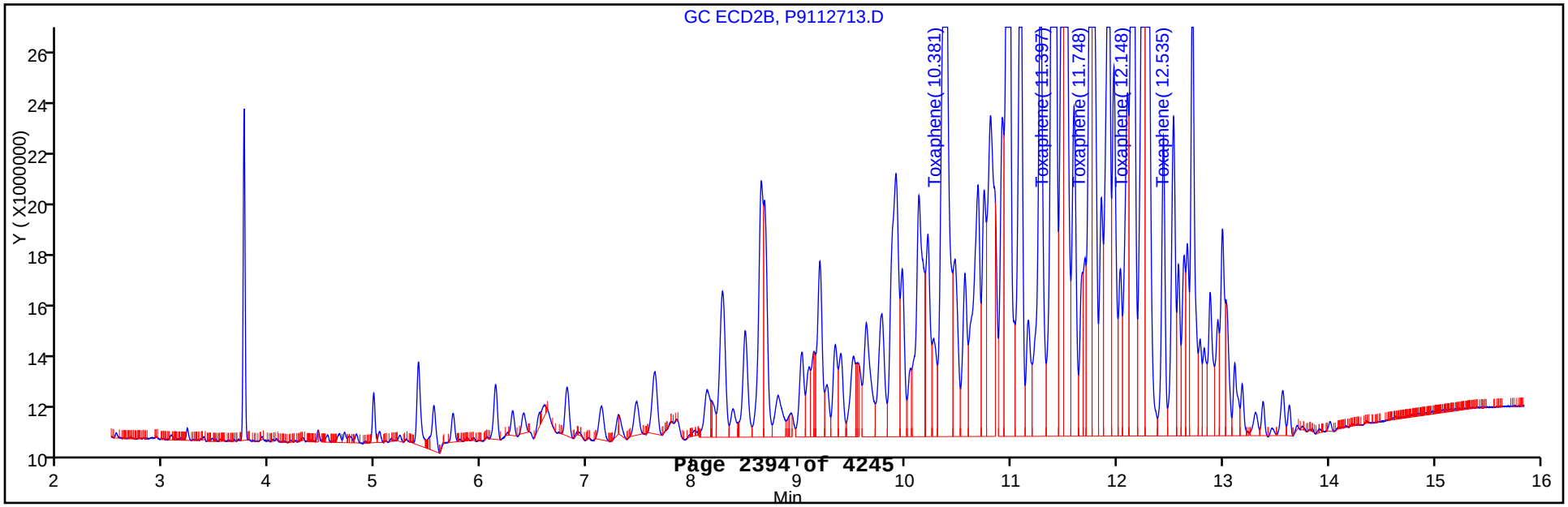
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D

Injection Date:	28-Nov-2012 07:18:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



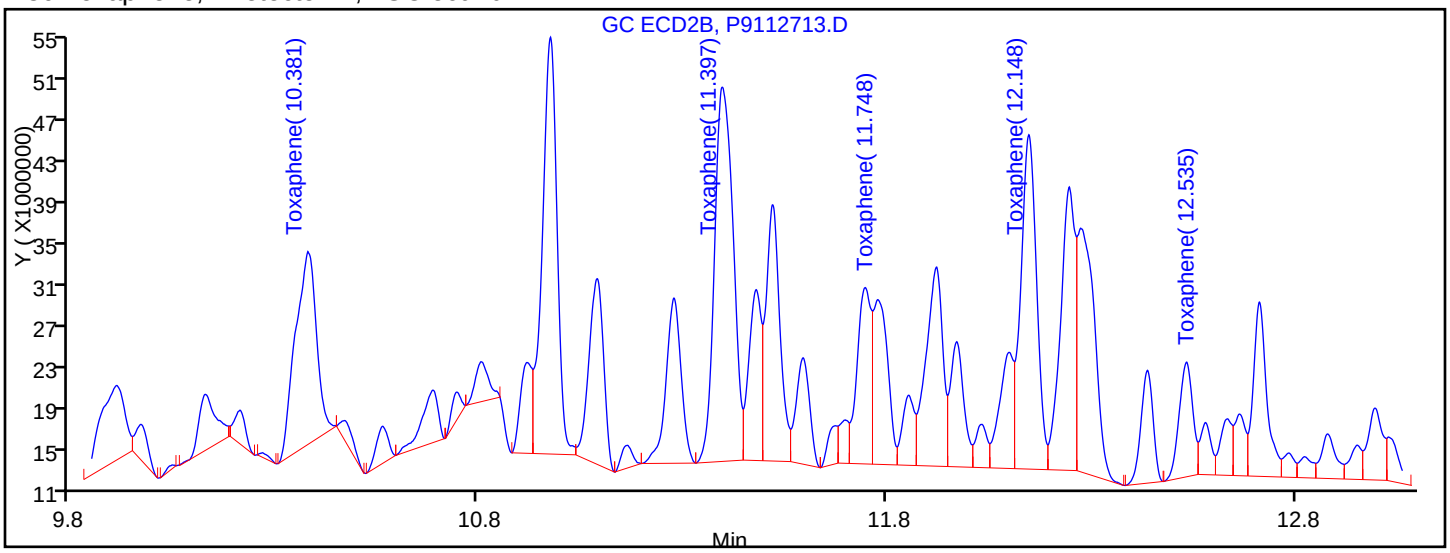
Report Date: 29-Nov-2012 09:55:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112713.D

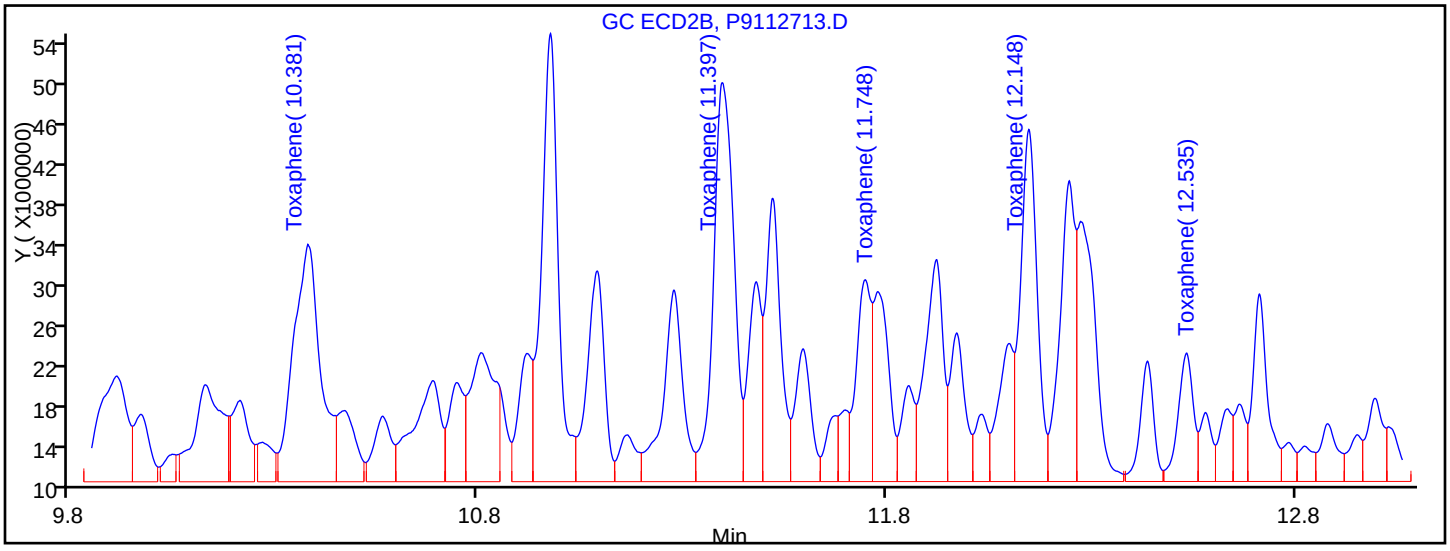
Injection Date:	28-Nov-2012 07:18:24	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	13
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.381	Response = 67131999	M
RT = 11.397	Response = 115021918	M
RT = 11.748	Response = 40574774	M
RT = 12.148	Response = 86910450	M
RT = 12.535	Response = 25807131	M



Manual Integration Results

RT = 10.381	Response = 106930022	M
RT = 11.397	Response = 136078541	M
RT = 11.748	Response = 50065956	M
RT = 12.148	Response = 98032016	M
RT = 12.535	Response = 32975098	M

Reviewer: vandorenc, 29-Nov-2012 09:41:10

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D
Lims ID: STD TOX3 Client ID:
Inject. Date: 28-Nov-2012 07:46:19 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0015316-014
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 66500 Lims Sample ID: 14
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:41:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.486	9.486	0.000	80907243	0.9824		100.0	M
1	2	10.024	10.024	0.000	77060439	0.9561	75.2- 115.2	95.2	M
1	3	10.091	10.091	0.000	60423711	1.01	54.7- 94.7	74.7	M
1	4	10.671	10.671	0.000	77201216	0.9749	75.4- 115.4	95.4	M
1	5	11.236	11.236	0.000	46432367	0.9860	37.4- 77.4	57.4	M
			Average of Peak Amounts =			0.9809			
2	100	10.382	10.382	0.000	182034158	0.9416		100.0	M
2	2	11.398	11.398	0.000	232967561	0.9257	108.0- 148.0	128.0	M
2	3	11.746	11.746	0.000	87578224	0.9283	28.1- 68.1	48.1	M
2	4	12.148	12.148	0.000	168652486	0.9185	72.6- 112.6	92.6	M
2	5	12.534	12.534	0.000	53896308	0.8899	9.6- 49.6	29.6	M
			Average of Peak Amounts =			0.9208			
						RPD = 6.32			

QC Flag Legend

Review Flags
M - Manually Integrated

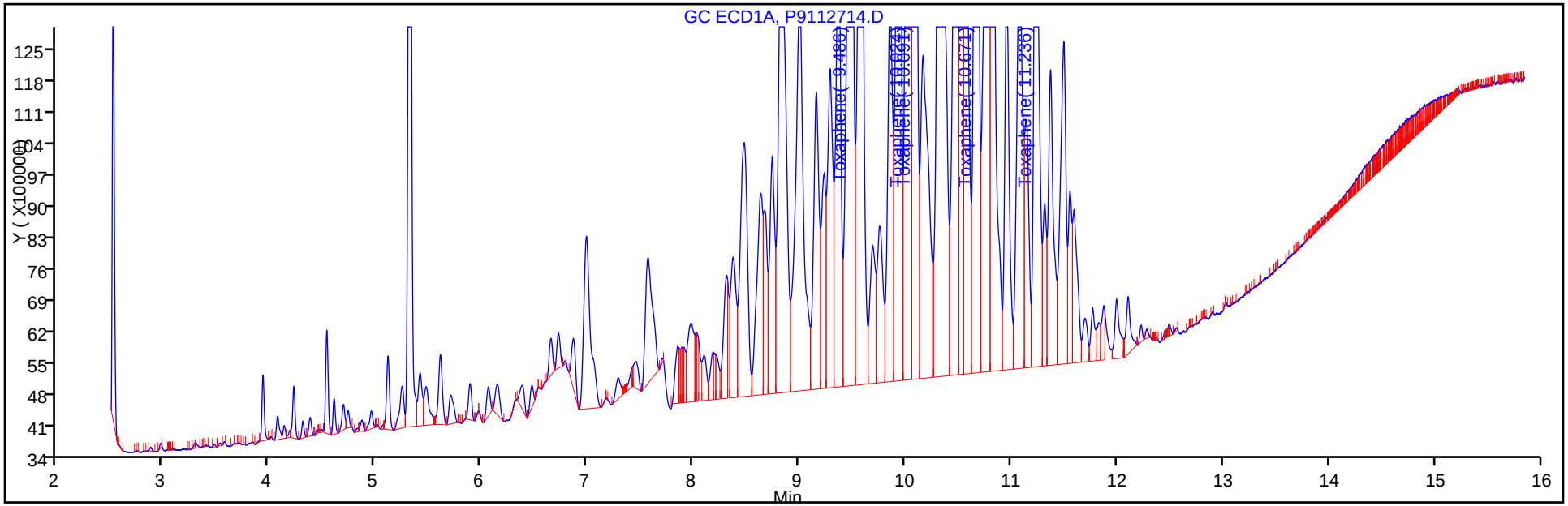
Report Date: 29-Nov-2012 09:55:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

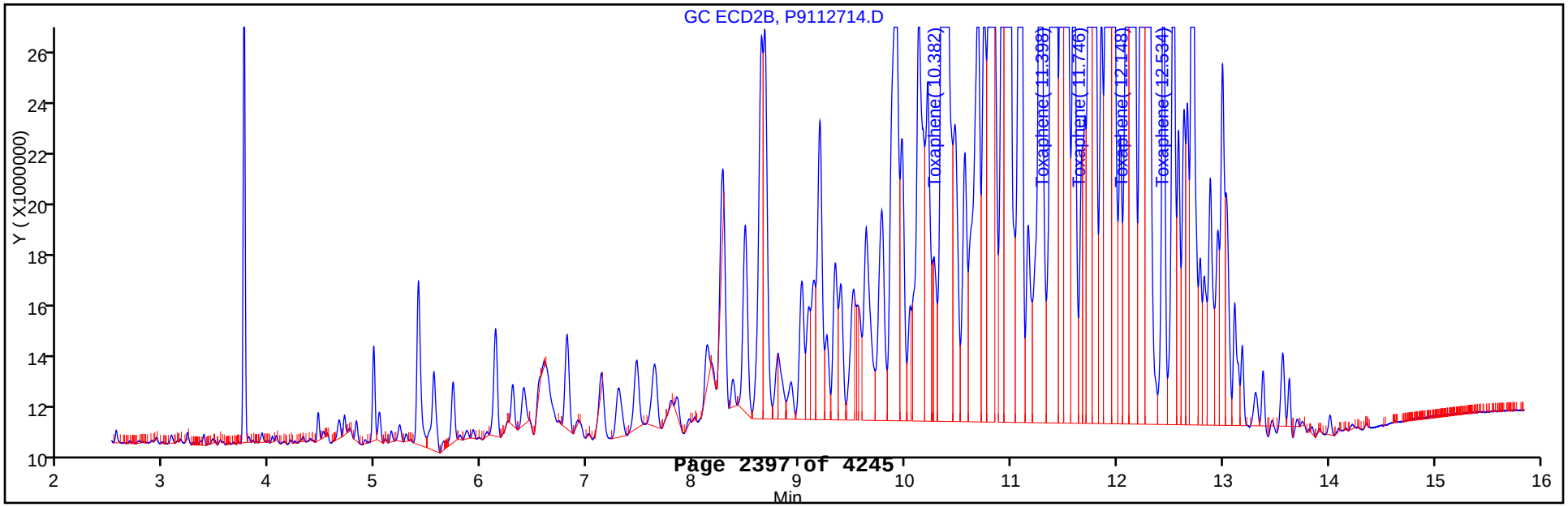
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D

Injection Date:	28-Nov-2012 07:46:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



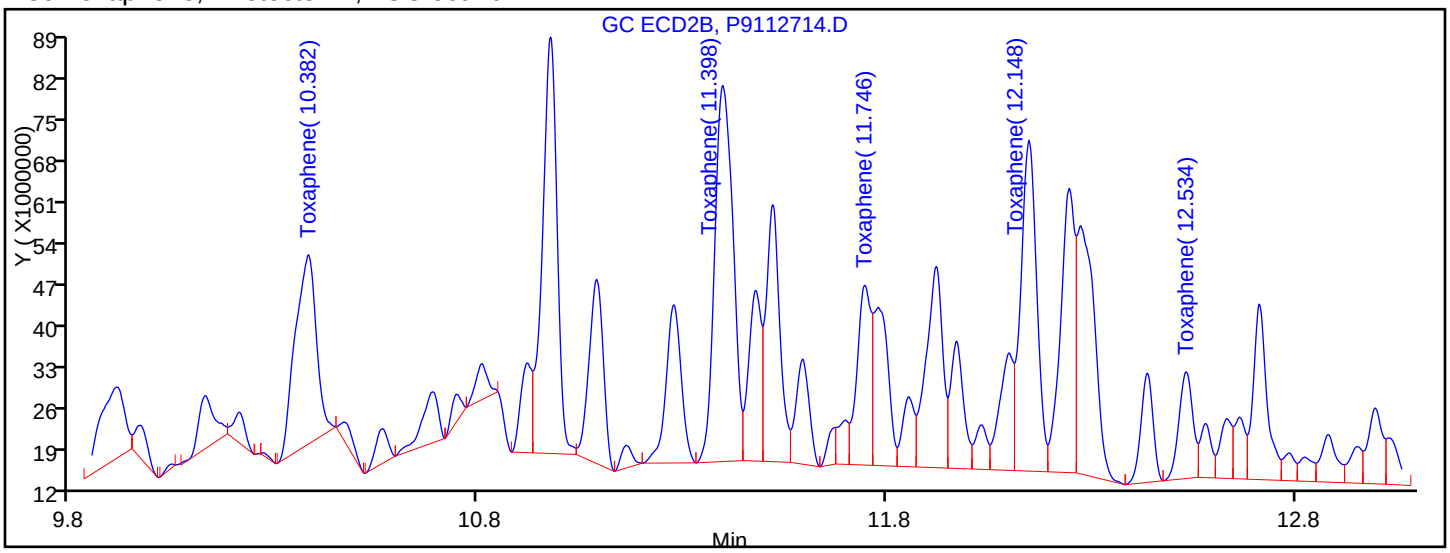
Report Date: 29-Nov-2012 09:55:26 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112714.D

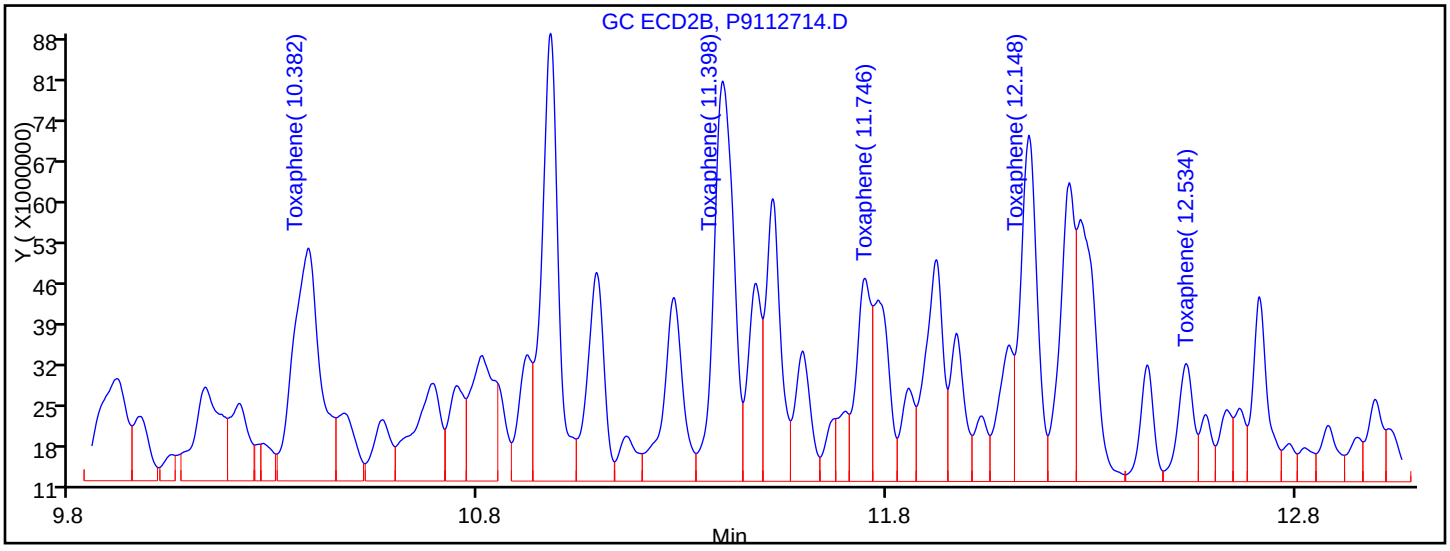
Injection Date:	28-Nov-2012 07:46:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	14
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.382	Response = 115653340	M
RT = 11.398	Response = 198840920	M
RT = 11.746	Response = 72314040	M
RT = 12.148	Response = 152027492	M
RT = 12.534	Response = 43043492	M



Manual Integration Results

RT = 10.382	Response = 182034158	M
RT = 11.398	Response = 232967561	M
RT = 11.746	Response = 87578224	M
RT = 12.148	Response = 168652486	M
RT = 12.534	Response = 53896308	M

Reviewer: vandorenc, 29-Nov-2012 09:41:33

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D
Lims ID: STD TOX4 Client ID:
Inject. Date: 28-Nov-2012 08:14:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0015316-015
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 66500 Lims Sample ID: 15
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:27 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:44:18

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.484	9.486	-0.002	160569651	1.95		100.0	M
1	2	10.022	10.024	-0.002	156274458	1.94	75.2- 115.2	97.3	M
1	3	10.089	10.091	-0.002	117145923	1.95	54.7- 94.7	73.0	M
1	4	10.672	10.671	0.001	154906567	1.96	75.4- 115.4	96.5	M
1	5	11.234	11.236	-0.002	95033349	2.02	37.4- 77.4	59.2	M
			Average of Peak Amounts =			1.96			
2	100	10.382	10.382	0.000	348824562	1.80		100.0	M
2	2	11.398	11.398	0.000	470139725	1.87	108.0- 148.0	134.8	M
2	3	11.746	11.746	0.000	179113237	1.90	28.1- 68.1	51.3	M
2	4	12.149	12.148	0.001	350034030	1.91	72.6- 112.6	100.3	M
2	5	12.534	12.534	0.000	117886645	1.95	9.6- 49.6	33.8	M
			Average of Peak Amounts =			1.88			
						RPD = 4.03			

QC Flag Legend

Review Flags
M - Manually Integrated

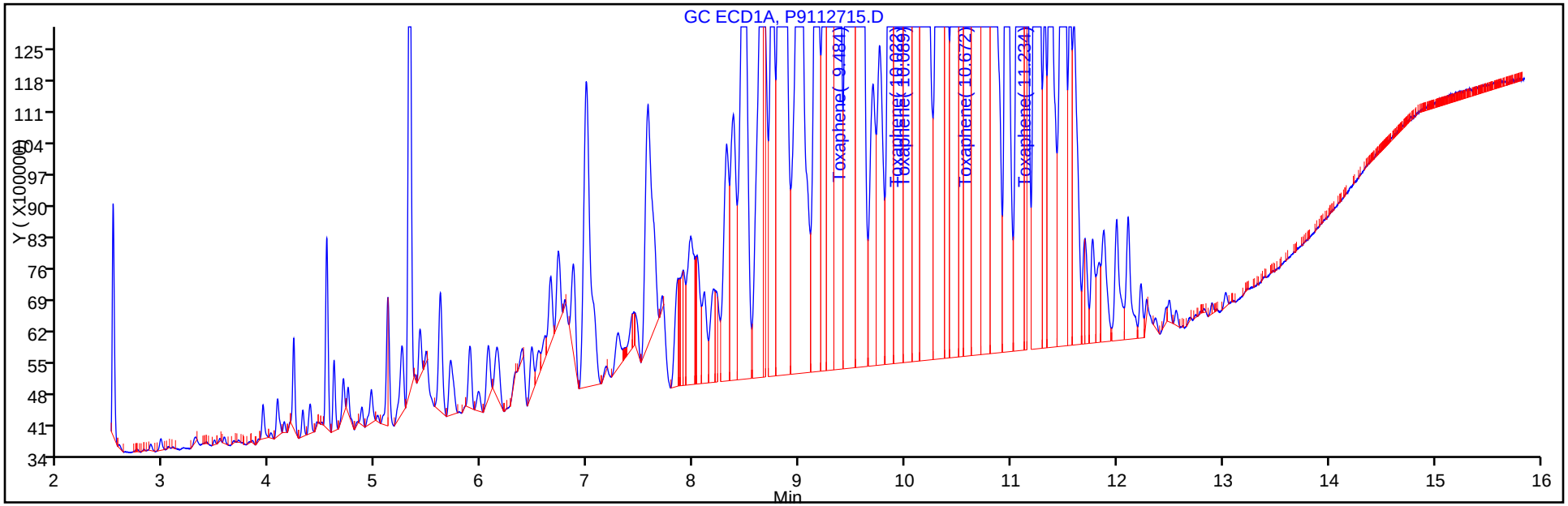
Report Date: 29-Nov-2012 09:55:28 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

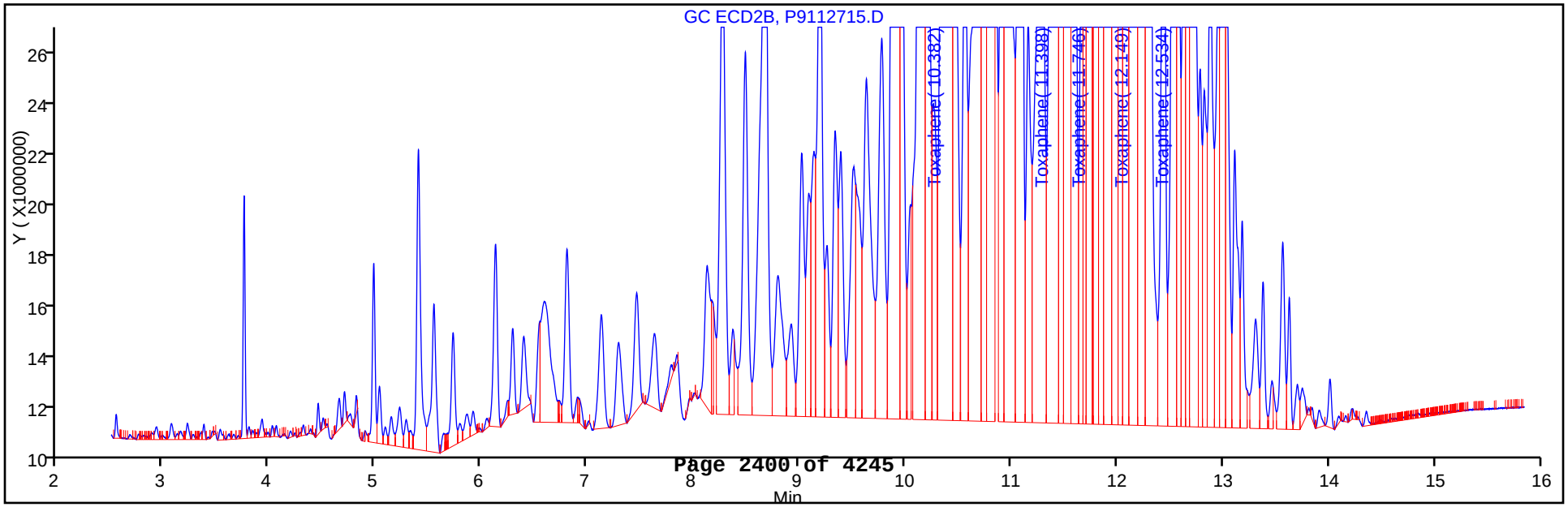
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D

Injection Date:	28-Nov-2012 08:14:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



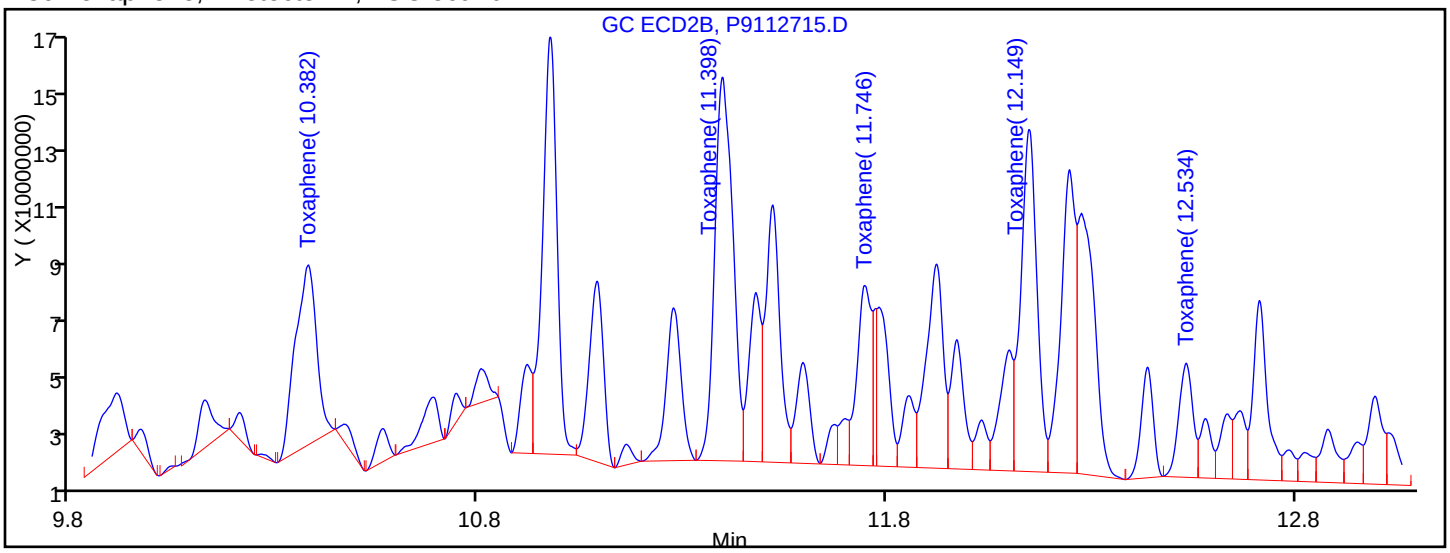
Report Date: 29-Nov-2012 09:55:29 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112715.D

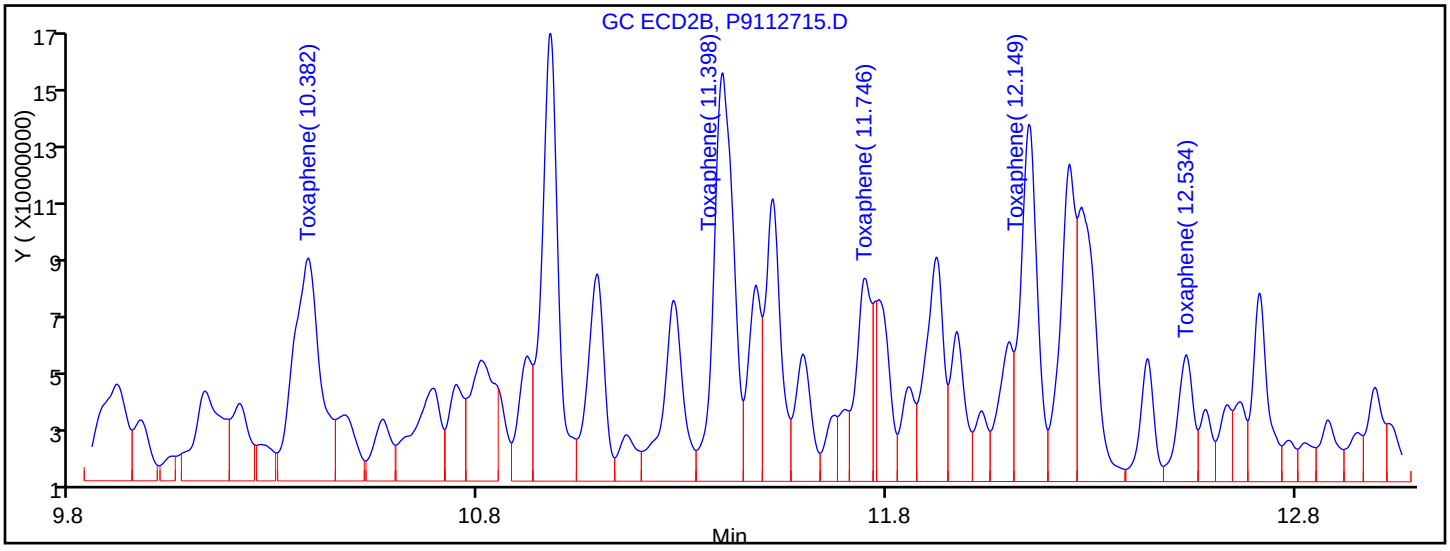
Injection Date:	28-Nov-2012 08:14:09	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	15
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.382	Response = 219422240	M
RT = 11.398	Response = 398309182	M
RT = 11.746	Response = 148387873	M
RT = 12.149	Response = 316283435	M
RT = 12.534	Response = 92604178	M



Manual Integration Results

RT = 10.382	Response = 348824562	M
RT = 11.398	Response = 470139725	M
RT = 11.746	Response = 179113237	M
RT = 12.149	Response = 350034030	M
RT = 12.534	Response = 117886645	M

Reviewer: vandorenc, 29-Nov-2012 09:44:18

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

TestAmerica Canton
Target Compound Quantitation Report

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Lims ID:	STD TOX5	Client ID:	
Inject. Date:	28-Nov-2012 08:42:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	240-0015316-016		
Misc. Info.:			
Operator:	093905	Instrument ID:	A2HP9
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	66500	Lims Sample ID:	16
Sublist:	chrom-PEST9*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ecd2b		
Method:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m		
Last Update:	29-Nov-2012 09:55:29	Calib Date:	28-Nov-2012 08:42:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D		
Limit Group:	GC 8081 D0D ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK034		

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:44:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.485	9.486	-0.001	434406682	5.27		100.0	M
1	2	10.026	10.024	0.002	408799446	5.07	75.2- 115.2	94.1	M
1	3	10.094	10.091	0.003	330021479	5.49	54.7- 94.7	76.0	M
1	4	10.672	10.671	0.001	425683388	5.38	75.4- 115.4	98.0	M
1	5	11.236	11.236	0.000	269041226	5.71	37.4- 77.4	61.9	M
			Average of Peak Amounts =			5.39			
2	100	10.383	10.382	0.001	926576092	4.79		100.0	M
2	2	11.397	11.398	-0.001	1285442157	5.11	108.0- 148.0	138.7	M
2	3	11.747	11.746	0.001	514771352	5.46	28.1- 68.1	55.6	M
2	4	12.150	12.148	0.002	983492026	5.36	72.6- 112.6	106.1	M
2	5	12.535	12.534	0.001	344613683	5.69	9.6- 49.6	37.2	M
			Average of Peak Amounts =			5.28			
						RPD = 1.96			

QC Flag Legend

Review Flags
M - Manually Integrated

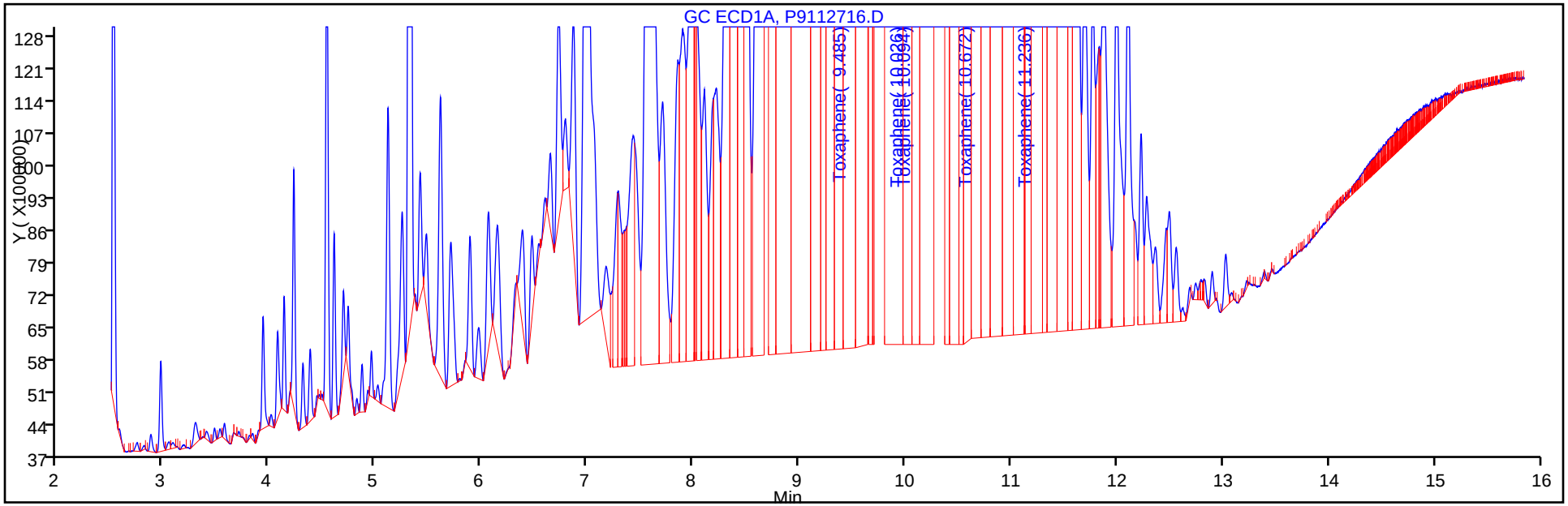
Report Date: 29-Nov-2012 09:55:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

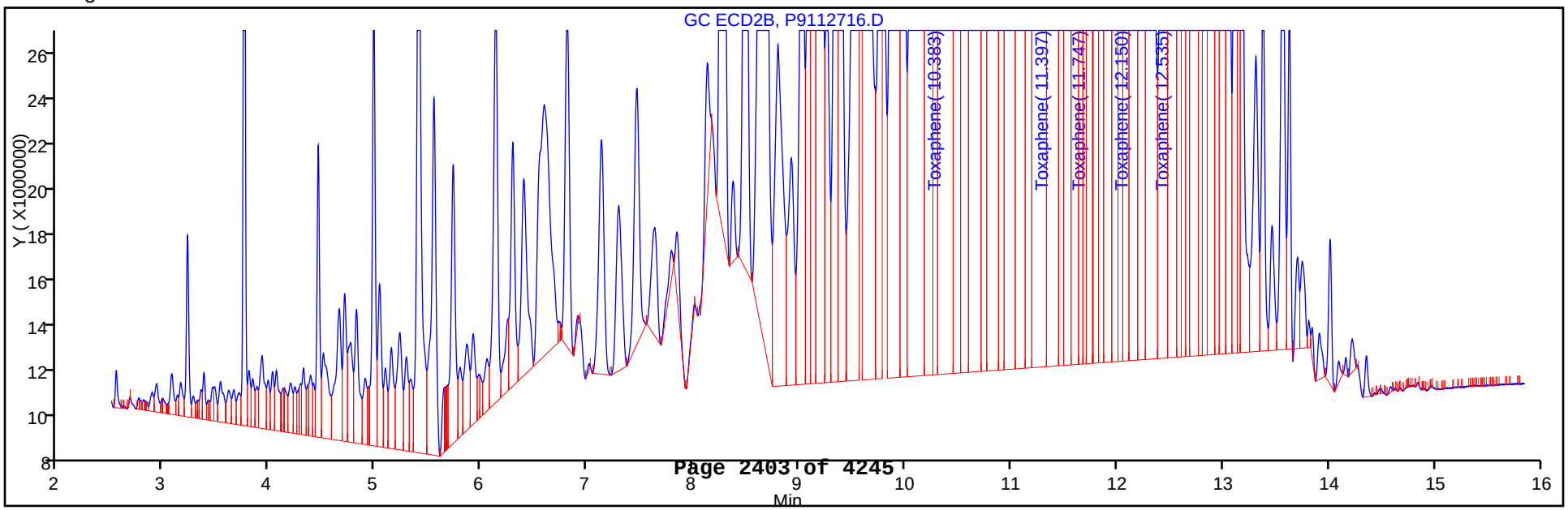
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D

Injection Date:	28-Nov-2012 08:42:02	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



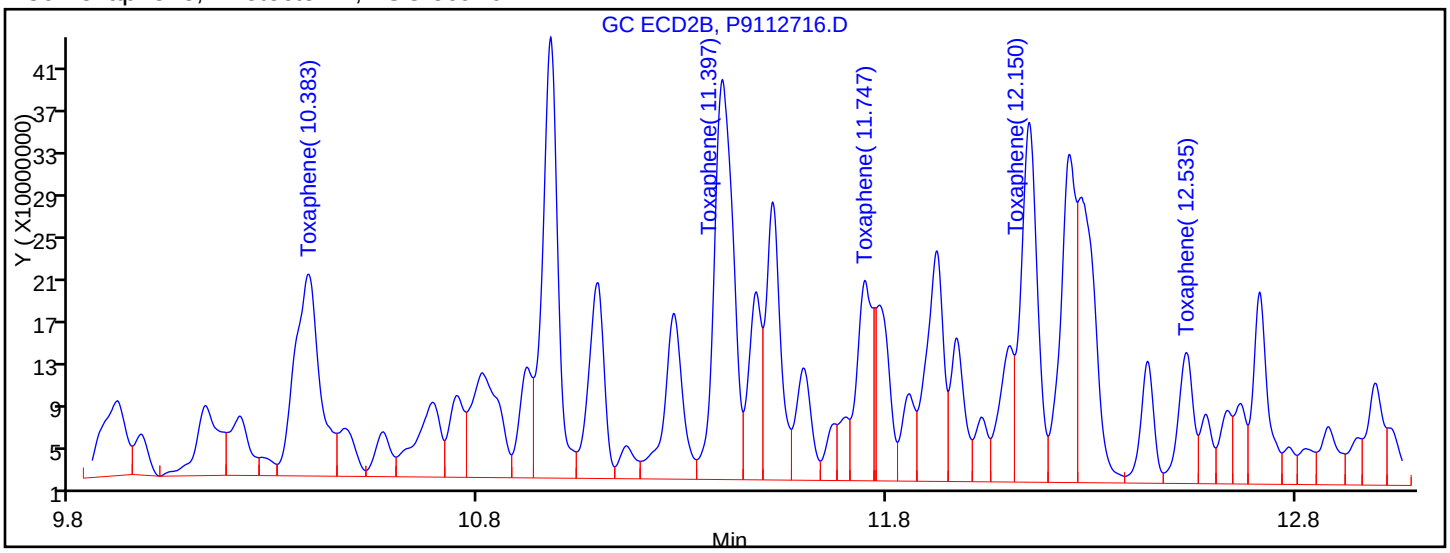
Report Date: 29-Nov-2012 09:55:31 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D

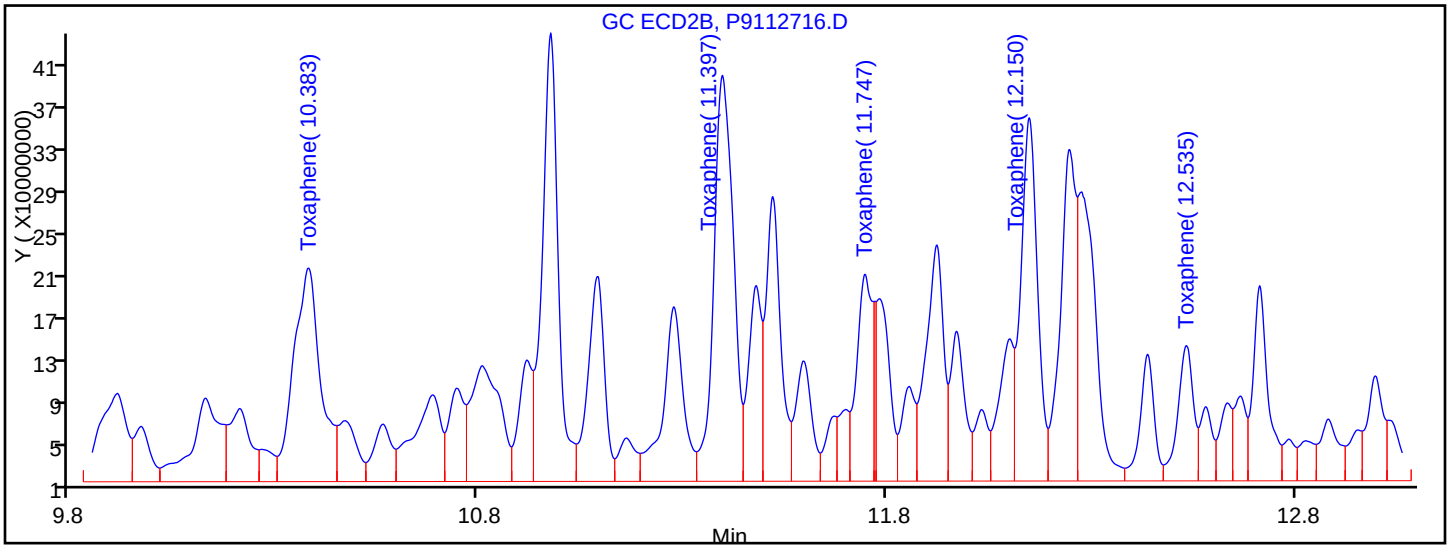
Injection Date:	28-Nov-2012 08:42:02	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	16
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.383	Response = 811927536	M
RT = 11.397	Response = 1221225664	M
RT = 11.747	Response = 485955278	M
RT = 12.150	Response = 950727617	M
RT = 12.535	Response = 317342254	M



Manual Integration Results

RT = 10.383	Response = 926576092	M
RT = 11.397	Response = 1285442157	M
RT = 11.747	Response = 514771352	M
RT = 12.150	Response = 983492026	M
RT = 12.535	Response = 344613683	M

Reviewer: vandorenc, 29-Nov-2012 09:44:43

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: PEM 240-66500/4 Calibration Date: 11/28/2012 03:23

Instrument ID: A2HP9 Calib Start Date: 11/06/2012 18:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/06/2012 21:05

Lab File ID: P9112704.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.91	111084018	3.63	15	
Endrin aldehyde	10.16	1418500			
Endrin ketone	11.26	2767198			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.78	161158770	7.83	15	
4,4'-DDD	9.26	8173047			
4,4'-DDE	8.00	5523846			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112704.D
Lims ID: PEM Client ID:
Inject. Date: 28-Nov-2012 03:23:52 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015316-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 66500 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:33:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.542	-0.001	50758874	0.0210			
2	100	4.140	4.140	0.000	147332041	0.0207			
						RPD = 1.36			
5 alpha-BHC									
1	100	4.225	4.225	0.000	33184735	0.0105			
2	100	4.978	4.978	0.000	98497625	0.0099			
						RPD = 5.53			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	28505369	0.0106			
2	100	5.548	5.547	0.001	85943105	0.0104			
						RPD = 2.00			
7 beta-BHC									
1	100	4.738	4.739	-0.001	13069179	0.0110			
2	100	5.728	5.726	0.002	40276313	0.0112			
						RPD = 1.88			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	5523846	0.001908			
2	100	9.788	9.785	0.003	13883164	0.001926			
						RPD = 0.94			
17 Endrin									
1	100	8.908	8.908	0.000	111084018	0.0497			
2	100	10.444	10.445	-0.001	288761692	0.0496			
						RPD = 0.23			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	8173047	0.004561			
2	100	10.800	10.810	-0.010	21707316	0.002213			
						RPD = 69.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.779	9.781	-0.002	161158770	0.1135			
2	100	11.292	11.292	0.000	408065806	0.1226			
						RPD = 7.69			
18 Endrin aldehyde									M
1	100	10.158	10.142	0.016	1418500	0.000901			7
2	100	11.383	11.383	0.000	1574378	0.000412			7
						RPD = 74.58			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.723						
2	100		12.365						
19 Endrin ketone									
1	100	11.259	11.260	-0.001	2767198	0.001462			
2	100	12.547	12.552	-0.005	11383027	0.002596			
						RPD = 55.91			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

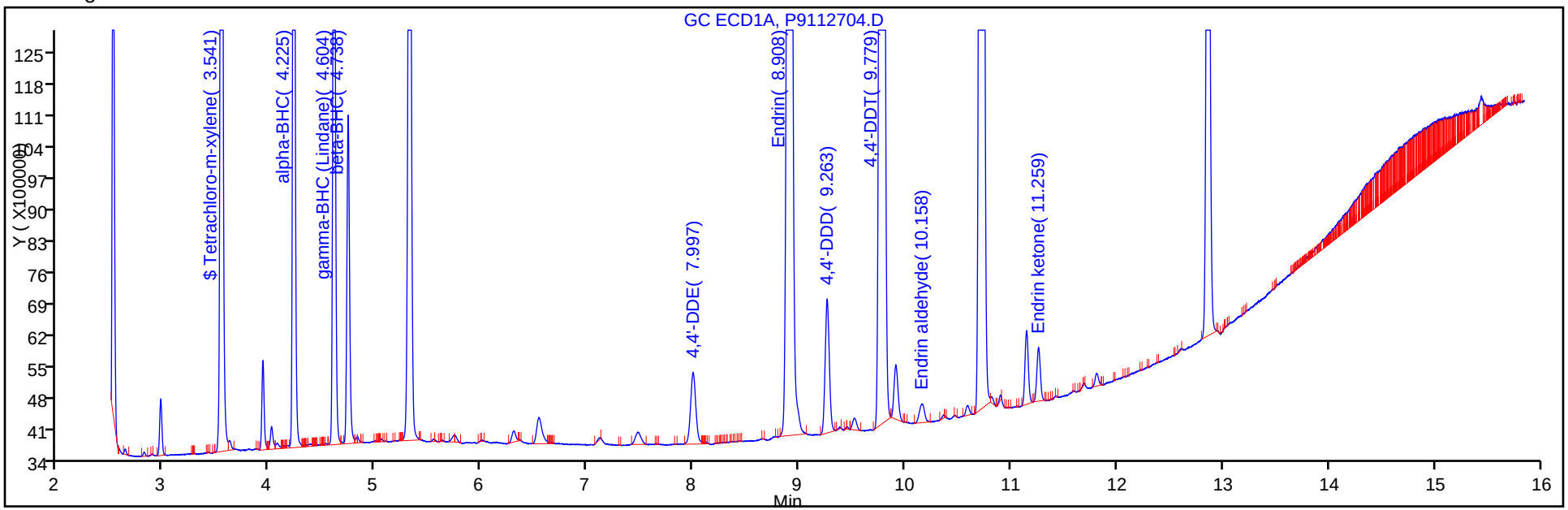
Report Date: 29-Nov-2012 09:55:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

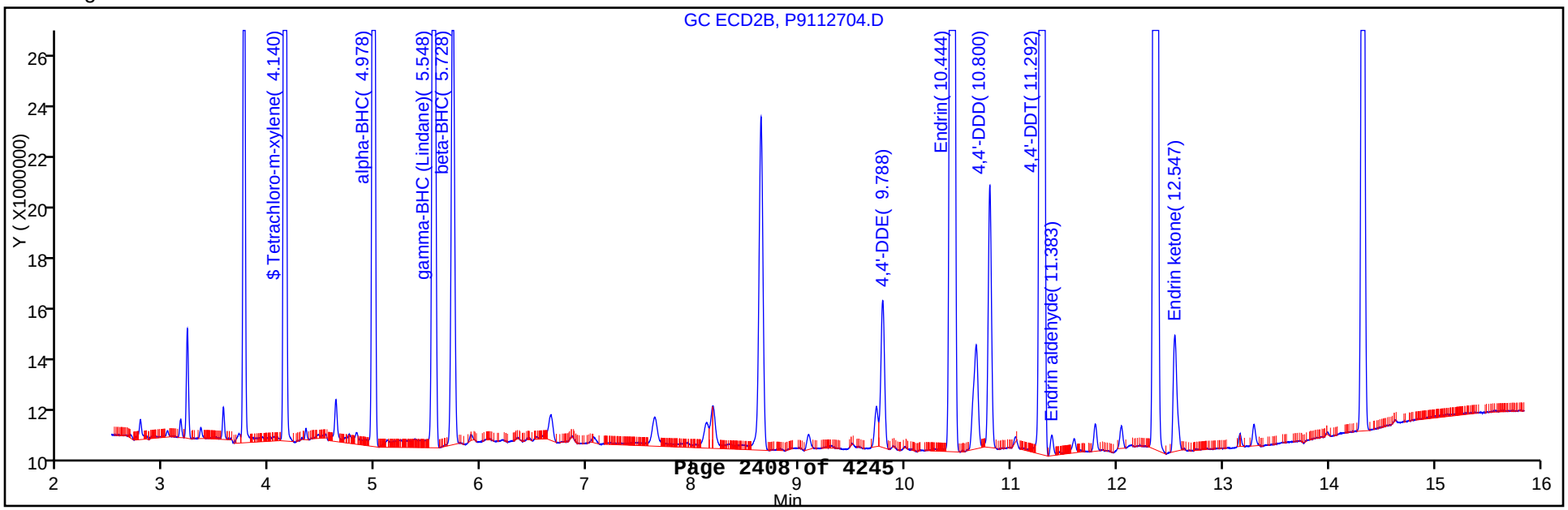
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112704.D

Injection Date:	28-Nov-2012 03:23:52	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: PEM 240-66500/4 Calibration Date: 11/28/2012 03:23

Instrument ID: A2HP9 Calib Start Date: 11/06/2012 18:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/06/2012 21:05

Lab File ID: P9112704.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.44	288761692	4.29	15	
Endrin aldehyde	11.38	1574378			
Endrin ketone	12.55	11383027			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.29	408065806	8.02	15	
4,4'-DDD	10.80	21707316			
4,4'-DDE	9.79	13883164			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112704.D
Lims ID: PEM Client ID:
Inject. Date: 28-Nov-2012 03:23:52 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015316-004
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 66500 Lims Sample ID: 4
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:33:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.541	3.542	-0.001	50758874	0.0210			
2	100	4.140	4.140	0.000	147332041	0.0207			
						RPD = 1.36			
5 alpha-BHC									
1	100	4.225	4.225	0.000	33184735	0.0105			
2	100	4.978	4.978	0.000	98497625	0.0099			
						RPD = 5.53			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	28505369	0.0106			
2	100	5.548	5.547	0.001	85943105	0.0104			
						RPD = 2.00			
7 beta-BHC									
1	100	4.738	4.739	-0.001	13069179	0.0110			
2	100	5.728	5.726	0.002	40276313	0.0112			
						RPD = 1.88			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	5523846	0.001908			
2	100	9.788	9.785	0.003	13883164	0.001926			
						RPD = 0.94			
17 Endrin									
1	100	8.908	8.908	0.000	111084018	0.0497			
2	100	10.444	10.445	-0.001	288761692	0.0496			
						RPD = 0.23			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	8173047	0.004561			
2	100	10.800	10.810	-0.010	21707316	0.002213			
						RPD = 69.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.779	9.781	-0.002	161158770	0.1135			
2	100	11.292	11.292	0.000	408065806	0.1226			
						RPD = 7.69			
18 Endrin aldehyde									M
1	100	10.158	10.142	0.016	1418500	0.000901			7
2	100	11.383	11.383	0.000	1574378	0.000412			7
						RPD = 74.58			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.723						
2	100		12.365						
19 Endrin ketone									
1	100	11.259	11.260	-0.001	2767198	0.001462			
2	100	12.547	12.552	-0.005	11383027	0.002596			
						RPD = 55.91			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

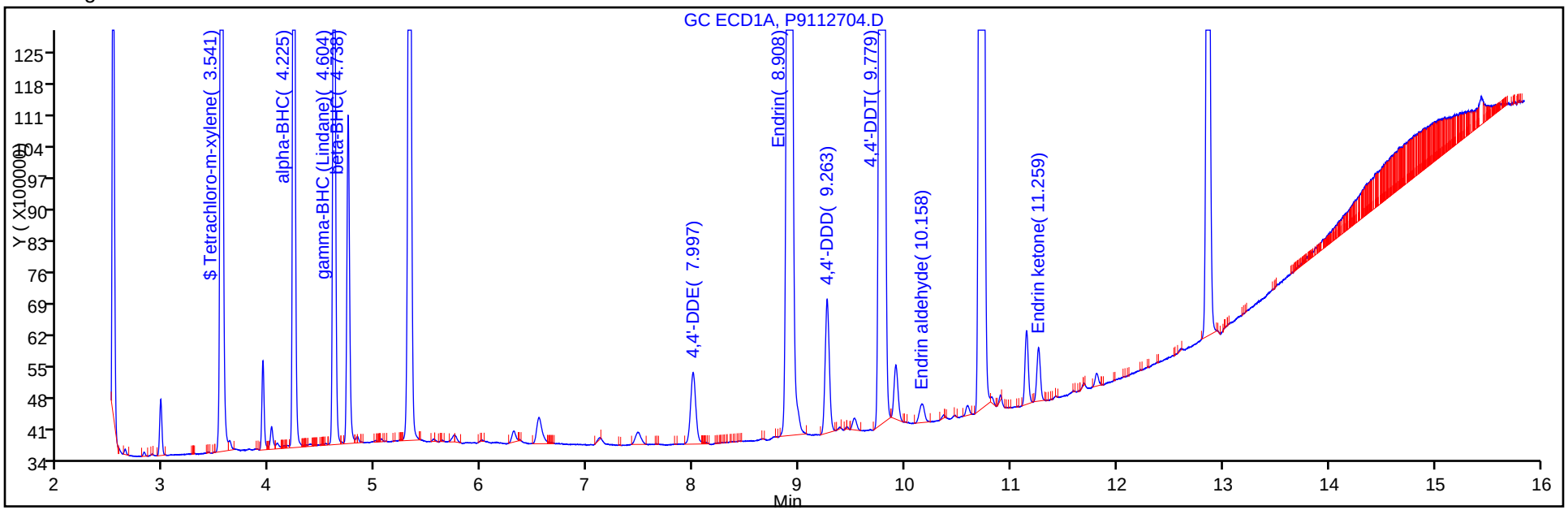
Report Date: 29-Nov-2012 09:55:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

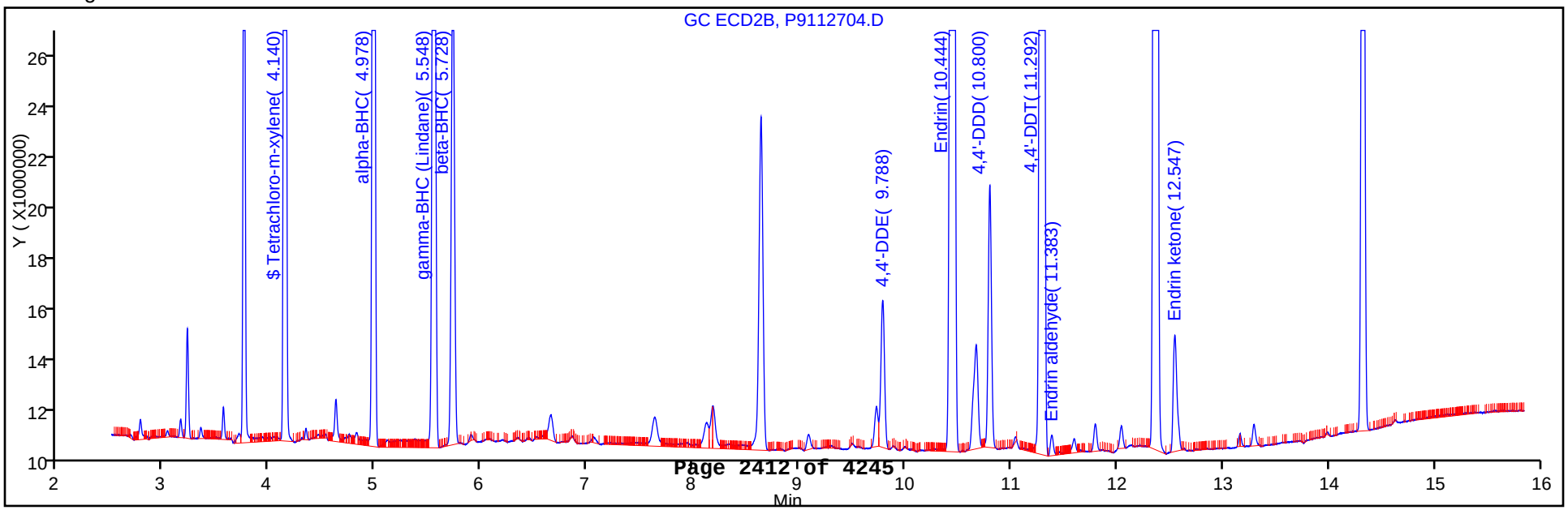
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112704.D

Injection Date:	28-Nov-2012 03:23:52	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	4
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: PEM 240-66500/29 Calibration Date: 11/28/2012 14:40

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112729.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	8.91	125666461	3.64	15	
Endrin aldehyde	10.16	1633091			
Endrin ketone	11.26	3112348			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	9.78	185640051	6.57	15	
4,4'-DDD	9.26	9476336			
4,4'-DDE	8.00	3568461			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112729.D
Lims ID: PEM Client ID:
Inject. Date: 28-Nov-2012 14:40:30 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015316-029
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 66500 Lims Sample ID: 29
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:09:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	53048503	0.0220			
2	100	4.140	4.140	0.000	70065033	0.009857			
						RPD = 76.07			
5 alpha-BHC									
1	100	4.225	4.225	0.000	38688004	0.0122			
2	100	4.977	4.978	-0.001	111655859	0.0112			
						RPD = 8.33			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	33075371	0.0123			
2	100	5.547	5.547	0.000	96802849	0.0117			
						RPD = 4.97			
7 beta-BHC									
1	100	4.738	4.739	-0.001	14741627	0.0124			
2	100	5.727	5.726	0.001	44975992	0.0125			
						RPD = 0.87			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	3568461	0.001233			
2	100	9.787	9.785	0.002	8718153	0.001210			
						RPD = 1.90			
17 Endrin									
1	100	8.909	8.908	0.001	125666461	0.0563			
2	100	10.446	10.445	0.001	311147587	0.0535			
						RPD = 5.09			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	9476336	0.005288			
2	100	10.800	10.810	-0.010	23413991	0.002387			
						RPD = 75.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.782	9.781	0.001	185640051	0.1307			
2	100	11.293	11.292	0.001	437923569	0.1315			
						RPD = 0.61			
18 Endrin aldehyde									
1	100	10.162	10.142	0.020	1633091	0.001037			7
2	100	11.383	11.383	0.000	1526089	0.000399			7
						RPD = 88.90			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.723						
2	100		12.365						
19 Endrin ketone									
1	100	11.260	11.260	0.000	3112348	0.001644			
2	100	12.548	12.552	-0.004	12686763	0.002894			
						RPD = 55.07			

QC Flag Legend

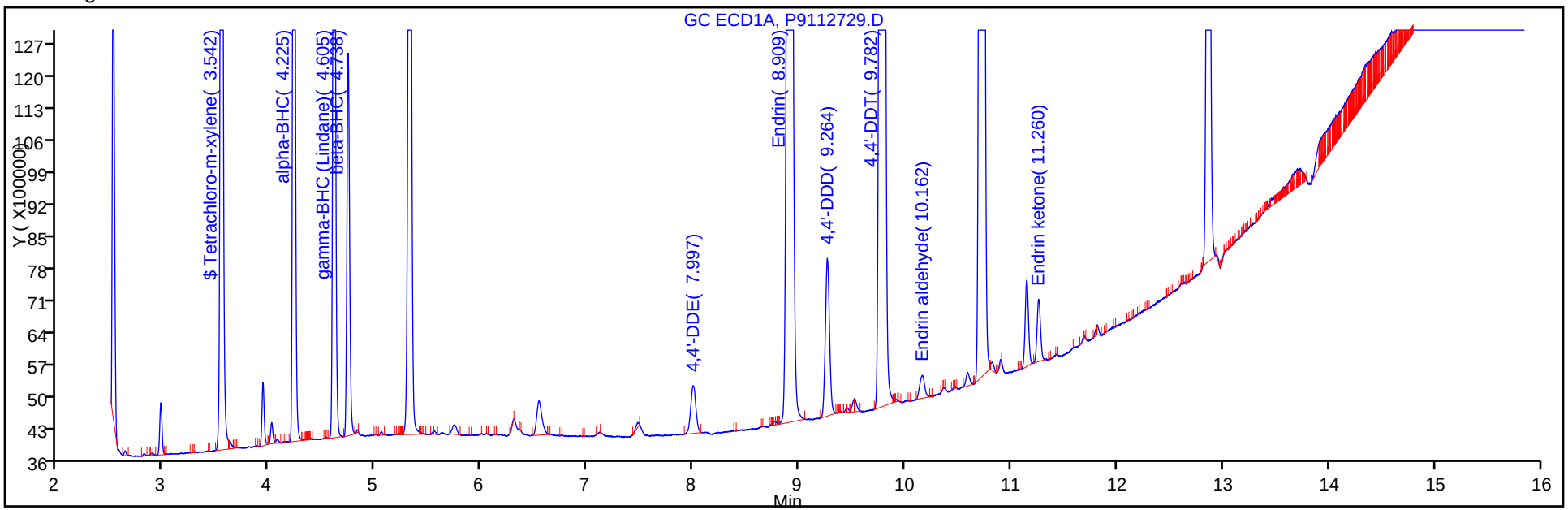
Processing Flags
7 - Failed Limit of Detection

Report Date: 29-Nov-2012 11:21:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

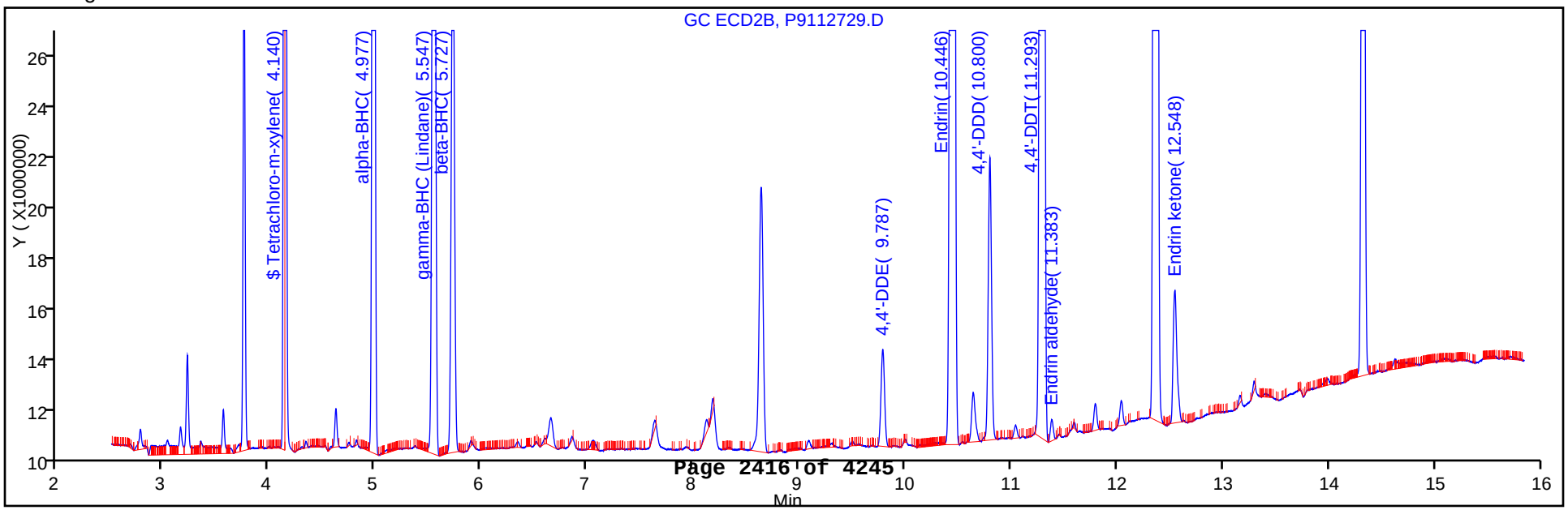
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112729.D		
Injection Date:	28-Nov-2012 14:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: PEM 240-66500/29 Calibration Date: 11/28/2012 14:40

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112729.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	10.45	311147587	4.37	15	
Endrin aldehyde	11.38	1526089			
Endrin ketone	12.55	12686763			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	11.29	437923569	6.84	15	
4,4'-DDD	10.80	23413991			
4,4'-DDE	9.79	8718153			

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112729.D
Lims ID: PEM Client ID:
Inject. Date: 28-Nov-2012 14:40:30 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: 240-0015316-029
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 66500 Lims Sample ID: 29
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:09:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	53048503	0.0220			
2	100	4.140	4.140	0.000	70065033	0.009857			
						RPD = 76.07			
5 alpha-BHC									
1	100	4.225	4.225	0.000	38688004	0.0122			
2	100	4.977	4.978	-0.001	111655859	0.0112			
						RPD = 8.33			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	33075371	0.0123			
2	100	5.547	5.547	0.000	96802849	0.0117			
						RPD = 4.97			
7 beta-BHC									
1	100	4.738	4.739	-0.001	14741627	0.0124			
2	100	5.727	5.726	0.001	44975992	0.0125			
						RPD = 0.87			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	3568461	0.001233			
2	100	9.787	9.785	0.002	8718153	0.001210			
						RPD = 1.90			
17 Endrin									
1	100	8.909	8.908	0.001	125666461	0.0563			
2	100	10.446	10.445	0.001	311147587	0.0535			
						RPD = 5.09			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	9476336	0.005288			
2	100	10.800	10.810	-0.010	23413991	0.002387			
						RPD = 75.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
3 4,4'-DDT									
1	100	9.782	9.781	0.001	185640051	0.1307			
2	100	11.293	11.292	0.001	437923569	0.1315			
						RPD = 0.61			
18 Endrin aldehyde									
1	100	10.162	10.142	0.020	1633091	0.001037			7
2	100	11.383	11.383	0.000	1526089	0.000399			7
						RPD = 88.90			
LOD = 0.000500									
27 Methoxychlor									
1	100		10.723						
2	100		12.365						
19 Endrin ketone									
1	100	11.260	11.260	0.000	3112348	0.001644			
2	100	12.548	12.552	-0.004	12686763	0.002894			
						RPD = 55.07			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

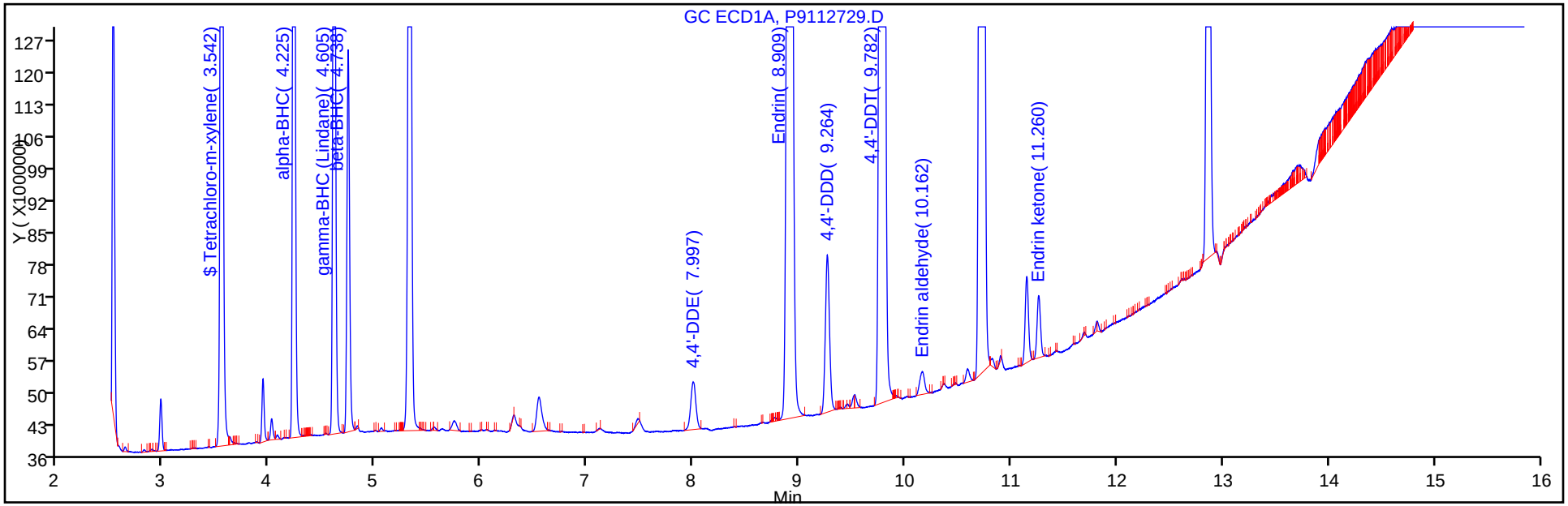
Report Date: 29-Nov-2012 11:21:35 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

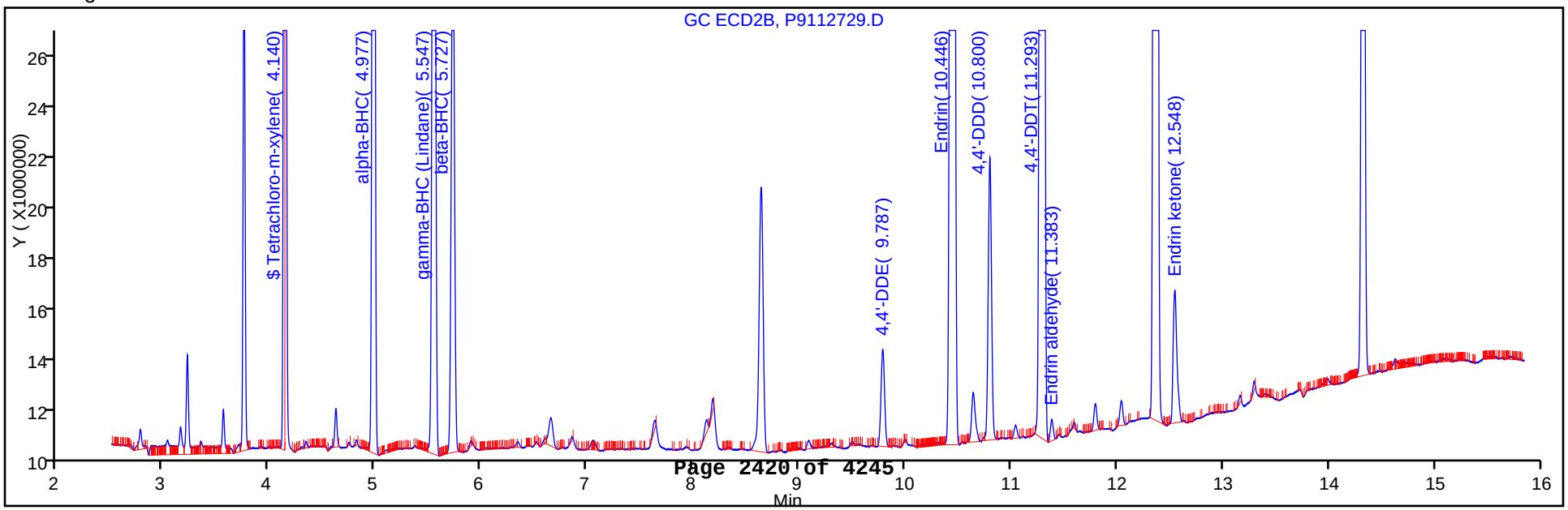
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112729.D

Injection Date:	28-Nov-2012 14:40:30	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	29
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-66500/11 Calibration Date: 11/28/2012 06:22

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112711.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	3314854200		0.0262	0.0250	4.6	20.0
gamma-BHC (Lindane)	Ave	2696239648	2825588080		0.0262	0.0250	4.8	20.0
beta-BHC	Ave	1192117427	1256828840		0.0264	0.0250	5.4	20.0
delta-BHC	Ave	2593377382	2804476120		0.0270	0.0250	8.1	20.0
Heptachlor	Ave	2436929739	2541038600		0.0261	0.0250	4.3	20.0
Aldrin	Ave	2967053625	3101721000		0.0261	0.0250	4.5	20.0
Heptachlor epoxide	Ave	2465306798	2592436160		0.0263	0.0250	5.2	20.0
gamma-Chlordane	Ave	2642311293	2753951160		0.0261	0.0250	4.2	20.0
alpha-Chlordane	Ave	2713419924	2756636960		0.0254	0.0250	1.6	20.0
Endosulfan I	Ave	2329014810	2445240480		0.0262	0.0250	5.0	20.0
4,4'-DDE	Ave	2894548445	2995781880		0.0259	0.0250	3.5	20.0
Dieldrin	Ave	2429335459	2544815200		0.0262	0.0250	4.8	20.0
Endrin	Ave	2233310440	2335007440		0.0261	0.0250	4.6	20.0
4,4'-DDD	Ave	1791905190	1881431080		0.0262	0.0250	5.0	20.0
Endosulfan II	Ave	2120779171	2286048400		0.0269	0.0250	7.8	20.0
4,4'-DDT	Ave	1420166233	1554644120		0.0274	0.0250	9.5	20.0
Endrin aldehyde	Ave	1574397867	1639362800		0.0260	0.0250	4.1	20.0
Methoxychlor	Ave	679722133	759618880		0.0279	0.0250	11.8	20.0
Endosulfan sulfate	Ave	1727152069	1872992360		0.0271	0.0250	8.4	20.0
Endrin ketone	Ave	1892819765	1954707440		0.0258	0.0250	3.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-66500/11 Calibration Date: 11/28/2012 06:22

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112711.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.23	4.20	4.26
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.70	5.68	5.74
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.28	7.25	7.31
alpha-Chlordane	7.63	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.46	8.43	8.49
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.36	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D
Lims ID: ICV Client ID:
Inject. Date: 28-Nov-2012 06:22:56 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015316-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 66500 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:15 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:40:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.225	4.225	0.000	82871355	0.0262			
2	100	4.978	4.978	0.000	246042666	0.0248			
						RPD = 5.50			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	70639702	0.0262			
2	100	5.548	5.547	0.001	206524410	0.0249			
						RPD = 5.08			
7 beta-BHC									
1	100	4.738	4.739	-0.001	31420721	0.0264			
2	100	5.728	5.726	0.002	92347298	0.0256			
						RPD = 2.87			
11 delta-BHC									
1	100	4.957	4.957	0.000	70111903	0.0270			
2	100	6.293	6.292	0.001	204726749	0.0259			
						RPD = 4.39			
22 Heptachlor									
1	100	5.244	5.243	0.001	63525965	0.0261			
2	100	6.393	6.394	-0.001	180190169	0.0252			
						RPD = 3.25			
4 Aldrin									
1	100	5.704	5.705	-0.001	77543025	0.0261			
2	100	7.131	7.130	0.001	207217822	0.0252			
						RPD = 3.55			
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	64810904	0.0263			
2	100	8.606	8.603	0.003	175945237	0.0258			
						RPD = 2.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	68848779	0.0261			
2	100	9.026	9.024	0.002	177915467	0.0255			
						RPD = 2.04			
6 alpha-Chlordane									
1	100	7.626	7.623	0.003	68915924	0.0254			
2	100	9.335	9.334	0.001	174491301	0.0248			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.898	7.896	0.002	61131012	0.0262			
2	100	9.397	9.396	0.001	148535405	0.0258			
						RPD = 1.76			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	74894547	0.0259			
2	100	9.787	9.785	0.002	181270322	0.0252			
						RPD = 2.83			
13 Dieldrin									
1	100	8.455	8.455	0.000	63620380	0.0262			
2	100	9.927	9.926	0.001	161983141	0.0256			
						RPD = 2.12			
17 Endrin									M
1	100	8.908	8.908	0.000	58375186	0.0261			M
2	100	10.446	10.445	0.001	146437894	0.0252			
						RPD = 3.79			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	47035777	0.0262			
2	100	10.810	10.810	0.000	253691378	0.0259			
						RPD = 1.49			
15 Endosulfan II									
1	100	9.355	9.353	0.002	57151210	0.0269			
2	100	10.810	10.810	0.000	253691378	0.0259			
						RPD = 4.12			
3 4,4'-DDT									
1	100	9.782	9.781	0.001	38866103	0.0274			
2	100	11.292	11.292	0.000	89005342	0.0267			
						RPD = 2.35			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	40984070	0.0260			
2	100	11.384	11.383	0.001	97557772	0.0255			
						RPD = 2.06			
27 Methoxychlor									
1	100	10.723	10.723	0.000	18990472	0.0279			
2	100	12.366	12.365	0.001	44302828	0.0267			
						RPD = 4.71			
16 Endosulfan sulfate									
1	100	10.861	10.860	0.001	46824809	0.0271			
2	100	11.815	11.815	0.000	114416612	0.0265			
						RPD = 2.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.261	11.260	0.001	48867686	0.0258			
2	100	12.553	12.552	0.001	111443389	0.0254			
						RPD = 1.55			

QC Flag Legend

Review Flags
M - Manually Integrated

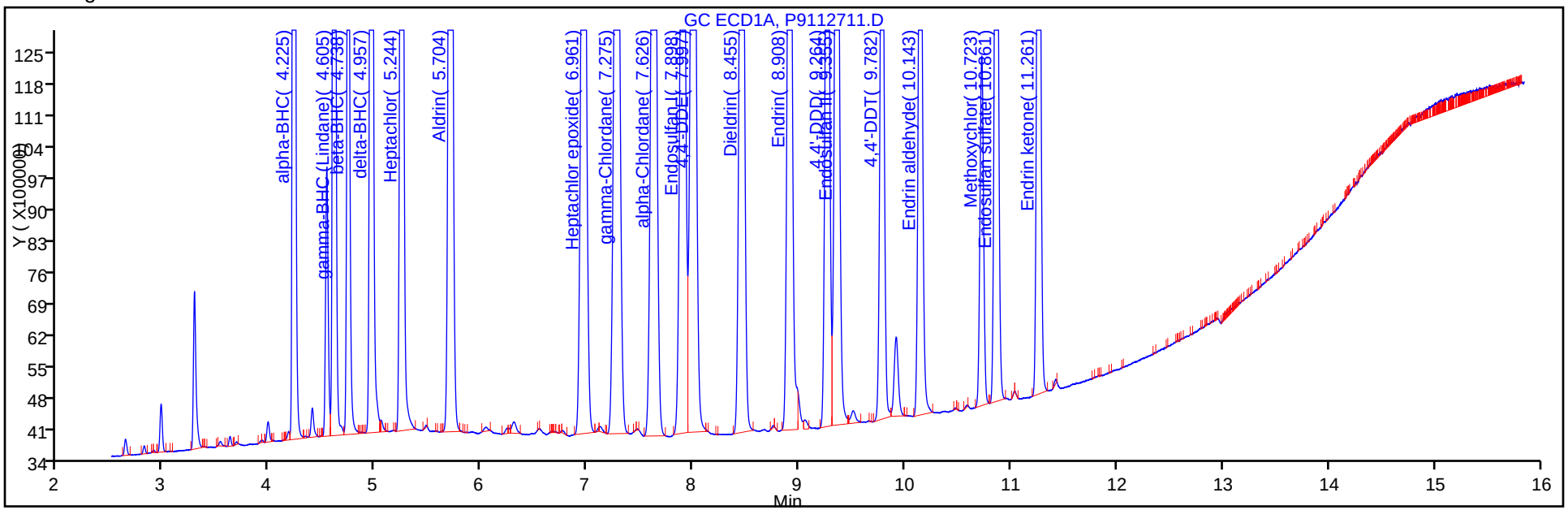
Report Date: 29-Nov-2012 09:55:18 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

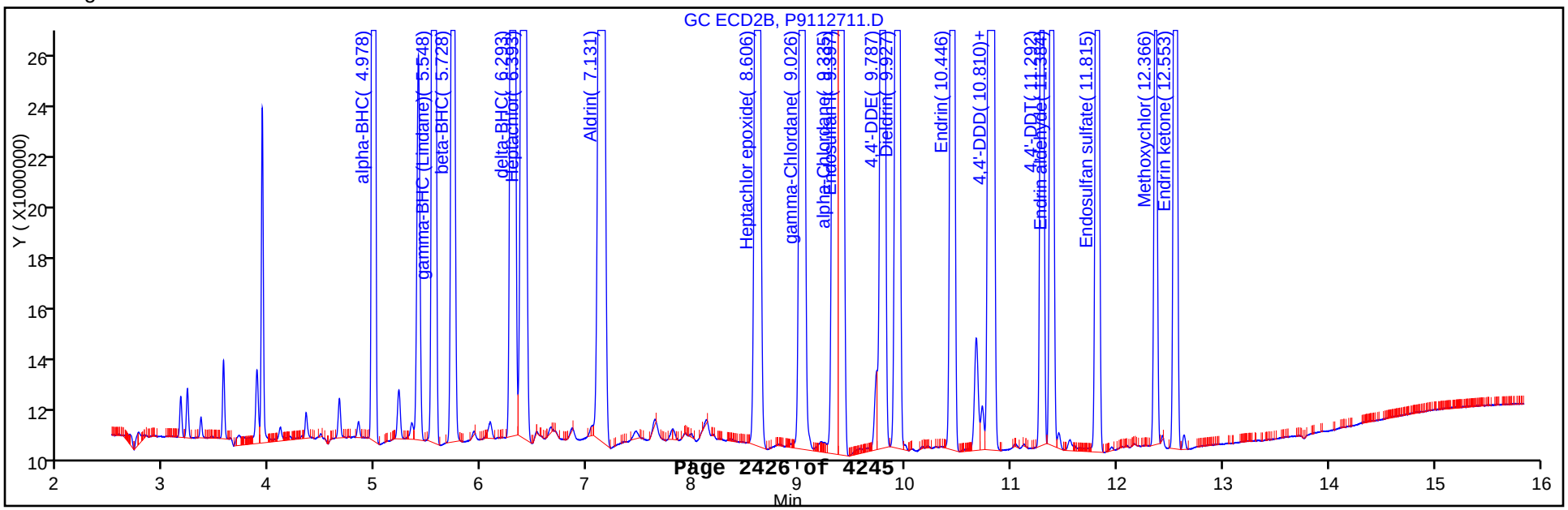
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D

Injection Date:	28-Nov-2012 06:22:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

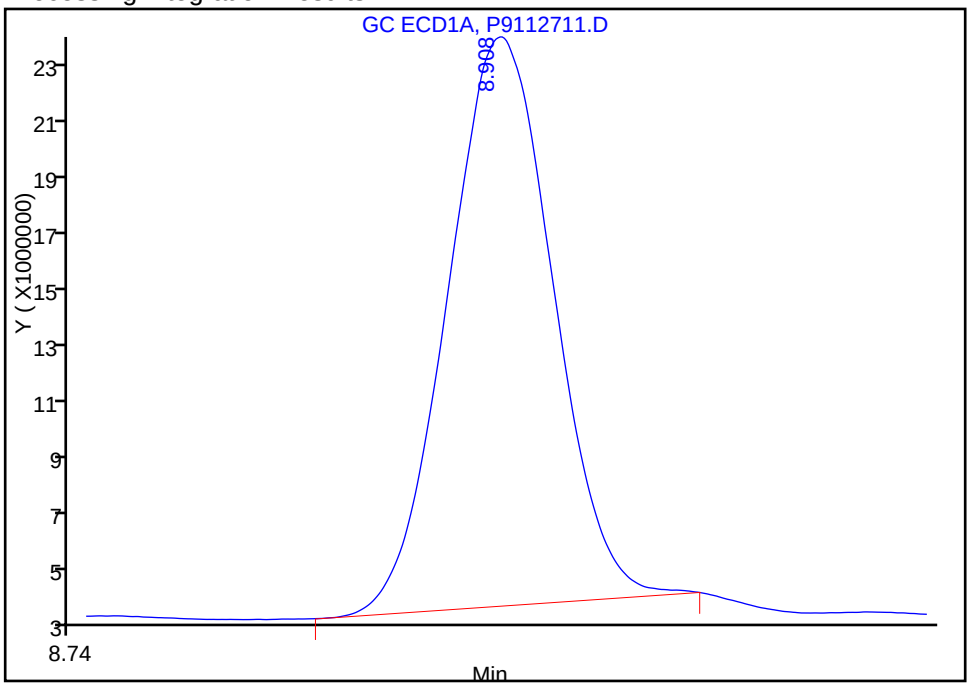
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D		
Injection Date:	28-Nov-2012 06:22:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

17 Endrin, Signal: 1, Type: quant, RT: 8.91, Det: GC ECD1A

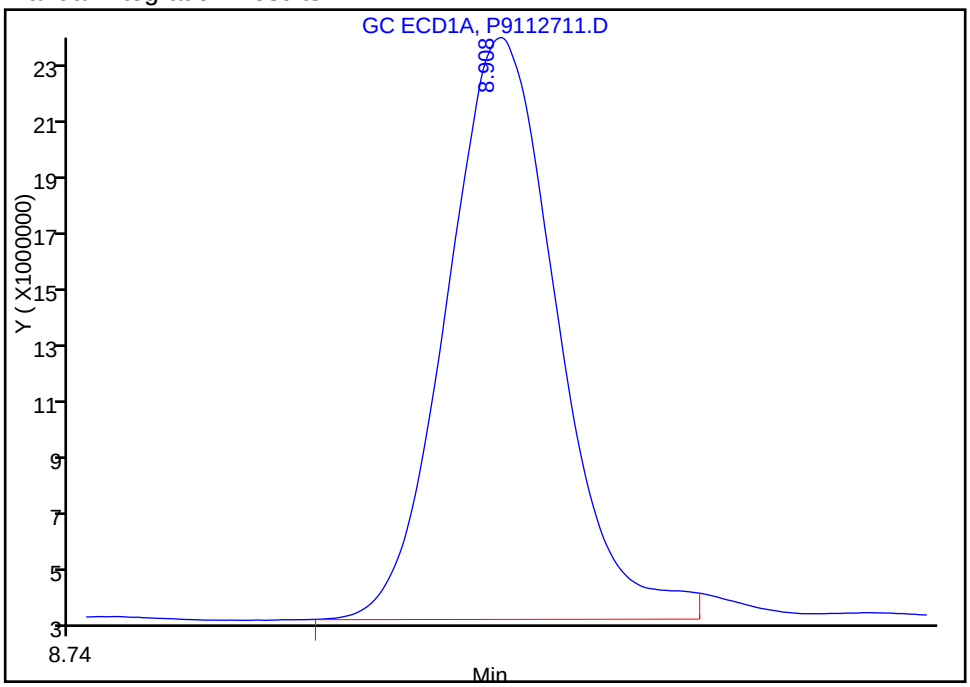
Processing Integration Results

RT: 8.91
Response: 54465378
Amount: 0.024388



Manual Integration Results

RT: 8.91
Response: 58375186
Amount: 0.026138



Reviewer: vandorenc, 29-Nov-2012 09:40:30
Audit Action: Assigned New Baseline
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-66500/11 Calibration Date: 11/28/2012 06:22

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112711.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	9841706640		0.0248	0.0250	-1.0	20.0
gamma-BHC (Lindane)	Ave	8293601368	8260976400		0.0249	0.0250	-0.4	20.0
beta-BHC	Ave	3605562217	3693891920		0.0256	0.0250	2.4	20.0
delta-BHC	Ave	7912733268	8189069960		0.0259	0.0250	3.5	20.0
Heptachlor	Ave	7140697065	7207606760		0.0252	0.0250	0.9	20.0
Aldrin	Ave	8215129958	8288712880		0.0252	0.0250	0.9	20.0
Heptachlor epoxide	Ave	6831839093	7037809480		0.0258	0.0250	3.0	20.0
gamma-Chlordane	Ave	6968754018	7116618680		0.0255	0.0250	2.1	20.0
alpha-Chlordane	Ave	7037942515	6979652040		0.0248	0.0250	-0.8	20.0
Endosulfan I	Ave	5759774207	5941416200		0.0258	0.0250	3.2	20.0
4,4'-DDE	Ave	7207034711	7250812880		0.0252	0.0250	0.6	20.0
Dieldrin	Ave	6317654321	6479325640		0.0256	0.0250	2.6	20.0
Endrin	Ave	5818678867	5857515760		0.0252	0.0250	0.7	20.0
4,4'-DDD	Ave	9809607119	10147655120		0.0259	0.0250	3.4	20.0
Endosulfan II	Ave	9809607119	10147655120		0.0259	0.0250	3.4	20.0
4,4'-DDT	Ave	3329664076	3560213680		0.0267	0.0250	6.9	20.0
Endrin aldehyde	Ave	3825777334	3902310880		0.0255	0.0250	2.0	20.0
Endosulfan sulfate	Ave	4314206102	4576664480		0.0265	0.0250	6.1	20.0
Methoxychlor	Ave	1662173652	1772113120		0.0267	0.0250	6.6	20.0
Endrin ketone	Ave	4384149523	4457735560		0.0254	0.0250	1.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-66500/11 Calibration Date: 11/28/2012 06:22

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112711.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.57	8.63
gamma-Chlordane	9.03	8.99	9.05
alpha-Chlordane	9.34	9.30	9.36
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.45	10.42	10.48
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.82	11.79	11.85
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D
Lims ID: ICV Client ID:
Inject. Date: 28-Nov-2012 06:22:56 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015316-011
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 66500 Lims Sample ID: 11
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:15 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:40:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
5 alpha-BHC									
1	100	4.225	4.225	0.000	82871355	0.0262			
2	100	4.978	4.978	0.000	246042666	0.0248			
						RPD = 5.50			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	70639702	0.0262			
2	100	5.548	5.547	0.001	206524410	0.0249			
						RPD = 5.08			
7 beta-BHC									
1	100	4.738	4.739	-0.001	31420721	0.0264			
2	100	5.728	5.726	0.002	92347298	0.0256			
						RPD = 2.87			
11 delta-BHC									
1	100	4.957	4.957	0.000	70111903	0.0270			
2	100	6.293	6.292	0.001	204726749	0.0259			
						RPD = 4.39			
22 Heptachlor									
1	100	5.244	5.243	0.001	63525965	0.0261			
2	100	6.393	6.394	-0.001	180190169	0.0252			
						RPD = 3.25			
4 Aldrin									
1	100	5.704	5.705	-0.001	77543025	0.0261			
2	100	7.131	7.130	0.001	207217822	0.0252			
						RPD = 3.55			
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	64810904	0.0263			
2	100	8.606	8.603	0.003	175945237	0.0258			
						RPD = 2.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	68848779	0.0261			
2	100	9.026	9.024	0.002	177915467	0.0255			
						RPD = 2.04			
6 alpha-Chlordane									
1	100	7.626	7.623	0.003	68915924	0.0254			
2	100	9.335	9.334	0.001	174491301	0.0248			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.898	7.896	0.002	61131012	0.0262			
2	100	9.397	9.396	0.001	148535405	0.0258			
						RPD = 1.76			
2 4,4'-DDE									
1	100	7.997	7.995	0.002	74894547	0.0259			
2	100	9.787	9.785	0.002	181270322	0.0252			
						RPD = 2.83			
13 Dieldrin									
1	100	8.455	8.455	0.000	63620380	0.0262			
2	100	9.927	9.926	0.001	161983141	0.0256			
						RPD = 2.12			
17 Endrin									M
1	100	8.908	8.908	0.000	58375186	0.0261			M
2	100	10.446	10.445	0.001	146437894	0.0252			
						RPD = 3.79			
1 4,4'-DDD									
1	100	9.264	9.263	0.001	47035777	0.0262			
2	100	10.810	10.810	0.000	253691378	0.0259			
						RPD = 1.49			
15 Endosulfan II									
1	100	9.355	9.353	0.002	57151210	0.0269			
2	100	10.810	10.810	0.000	253691378	0.0259			
						RPD = 4.12			
3 4,4'-DDT									
1	100	9.782	9.781	0.001	38866103	0.0274			
2	100	11.292	11.292	0.000	89005342	0.0267			
						RPD = 2.35			
18 Endrin aldehyde									
1	100	10.143	10.142	0.001	40984070	0.0260			
2	100	11.384	11.383	0.001	97557772	0.0255			
						RPD = 2.06			
27 Methoxychlor									
1	100	10.723	10.723	0.000	18990472	0.0279			
2	100	12.366	12.365	0.001	44302828	0.0267			
						RPD = 4.71			
16 Endosulfan sulfate									
1	100	10.861	10.860	0.001	46824809	0.0271			
2	100	11.815	11.815	0.000	114416612	0.0265			
						RPD = 2.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
19 Endrin ketone									
1	100	11.261	11.260	0.001	48867686	0.0258			
2	100	12.553	12.552	0.001	111443389	0.0254			
						RPD = 1.55			

QC Flag Legend

Review Flags
M - Manually Integrated

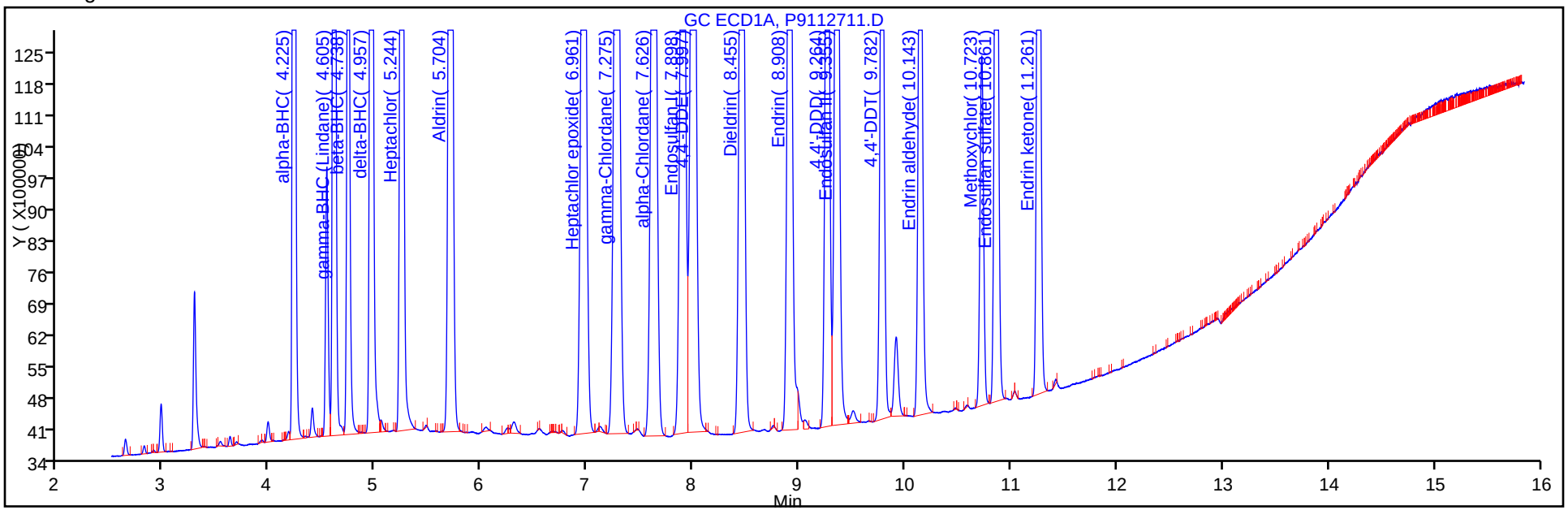
Report Date: 29-Nov-2012 09:55:19 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

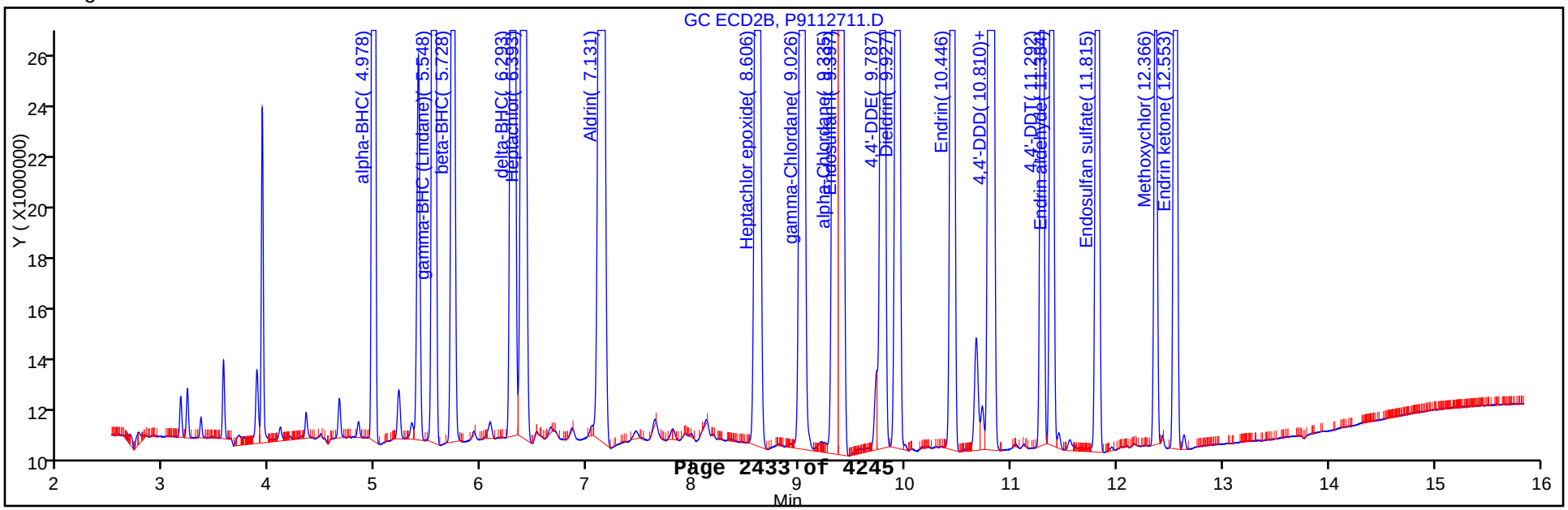
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112711.D

Injection Date:	28-Nov-2012 06:22:56	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	11
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-66500/17 Calibration Date: 11/28/2012 09:09

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112717.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	82355349	65143349		0.791	1.00	-20.9*	20.0
Toxaphene Peak 2	Ave	80598016	72538248		0.900	1.00	-10.0	20.0
Toxaphene Peak 3	Ave	60115062	53226427		0.885	1.00	-11.5	20.0
Toxaphene Peak 4	Ave	79190156	87008416		1.10	1.00	9.9	20.0
Toxaphene Peak 5	Ave	47091318	72395175		1.54	1.00	53.7*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-66500/17 Calibration Date: 11/28/2012 09:09

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112717.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.48	9.46	9.52
Toxaphene Peak 2	10.03	9.99	10.05
Toxaphene Peak 3	10.09	10.06	10.12
Toxaphene Peak 4	10.67	10.64	10.70
Toxaphene Peak 5	11.23	11.21	11.27

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D
Lims ID: ICV Client ID:
Inject. Date: 28-Nov-2012 09:09:28 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015316-017
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 66500 Lims Sample ID: 17
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:29 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:52:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.482	9.486	-0.004	65143349	0.7910		100.0	M
1	2	10.025	10.024	0.001	72538248	0.9000	75.2- 115.2	111.4	M
1	3	10.093	10.091	0.002	53226427	0.8854	54.7- 94.7	81.7	M
1	4	10.673	10.671	0.002	87008416	1.10	75.4- 115.4	133.6	M
1	5	11.234	11.236	-0.002	72395175	1.54	37.4- 77.4	111.1	M
			Average of Peak Amounts =			1.04			
2	100	10.380	10.382	-0.002	183900871	0.9512		100.0	M
2	2	11.406	11.398	0.008	166187007	0.6603	108.0- 148.0	90.4	M
2	3	11.745	11.746	-0.001	177517569	1.88	28.1- 68.1	96.5	M
2	4	12.150	12.148	0.002	180825847	0.9848	72.6- 112.6	98.3	M
2	5	12.531	12.534	-0.003	59492552	0.9823	9.6- 49.6	32.4	M
			Average of Peak Amounts =			1.09			
						RPD = 4.64			

QC Flag Legend

Review Flags
M - Manually Integrated

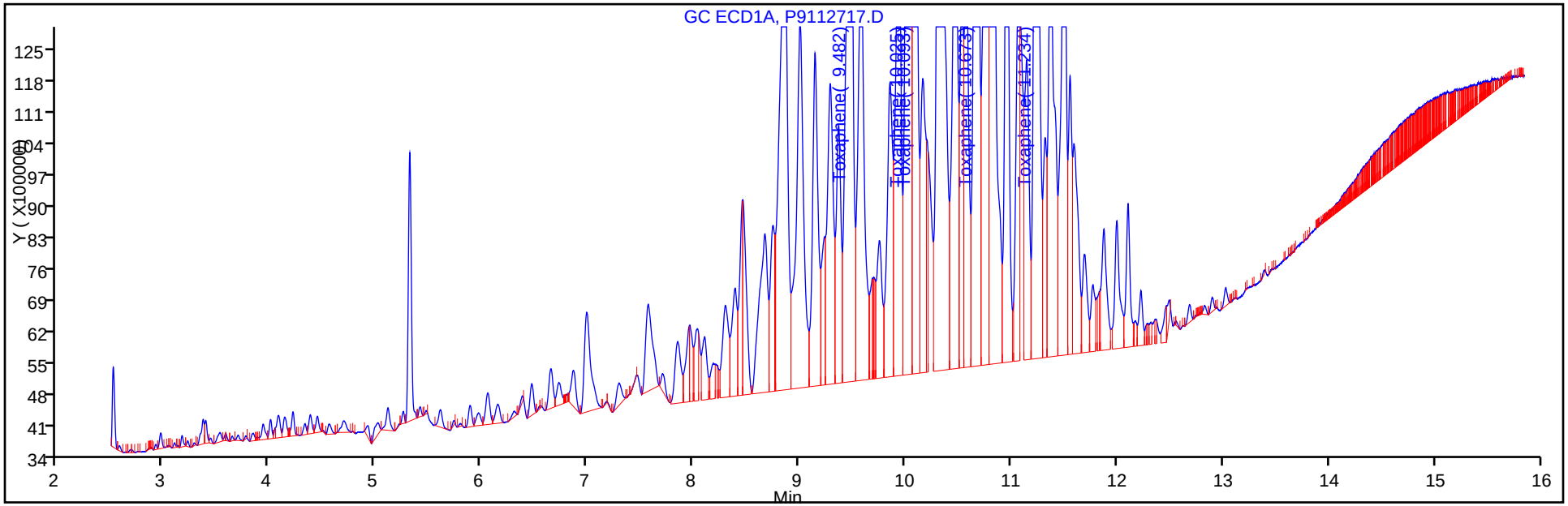
Report Date: 29-Nov-2012 09:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

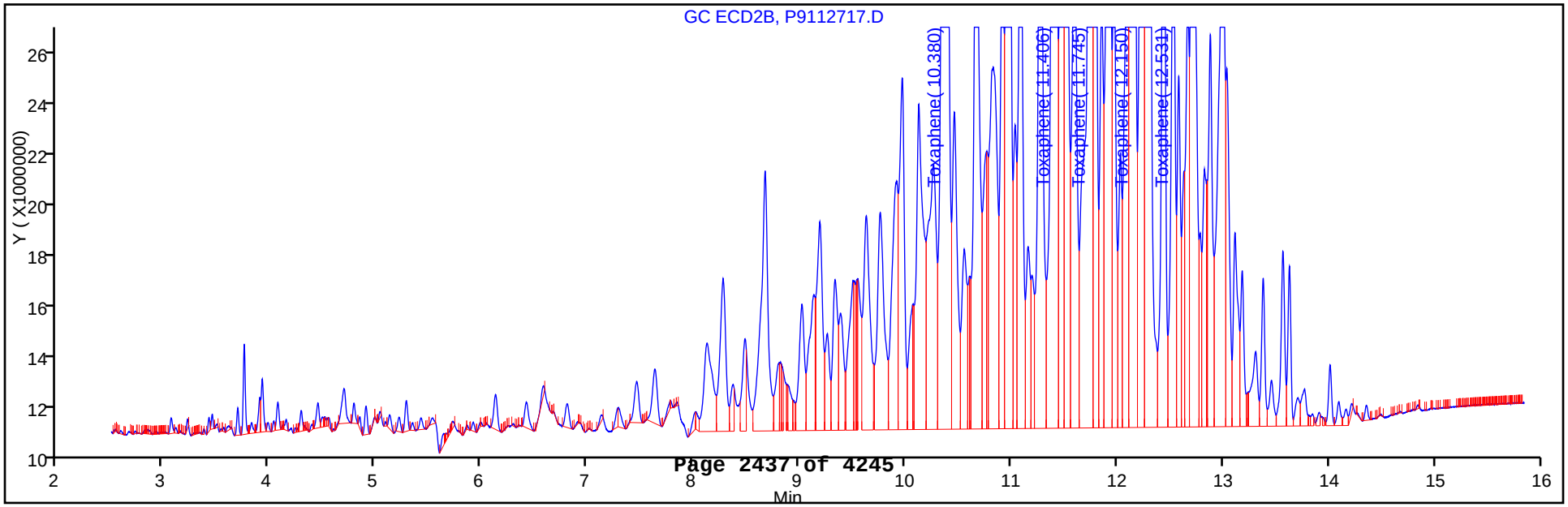
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D

Injection Date:	28-Nov-2012 09:09:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



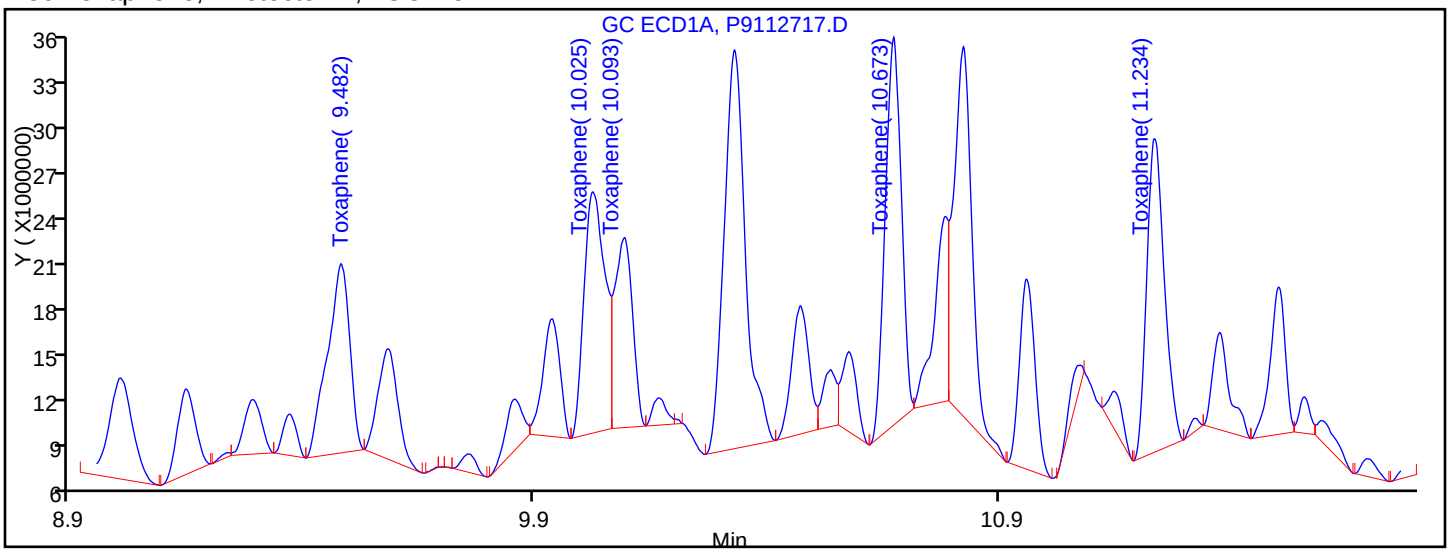
Report Date: 29-Nov-2012 09:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D

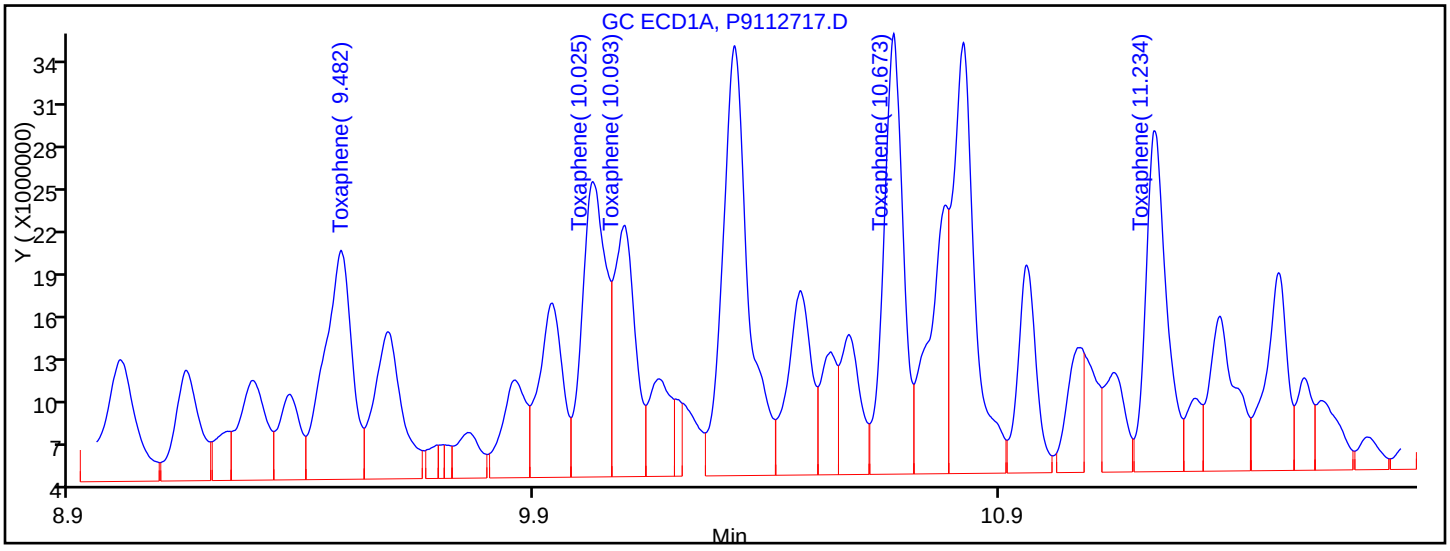
Injection Date:	28-Nov-2012 09:09:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.482	Response = 41051884	M
RT = 10.025	Response = 49712306	M
RT = 10.093	Response = 32437945	M
RT = 10.673	Response = 60801222	M
RT = 11.234	Response = 53938157	M



Manual Integration Results

RT = 9.482	Response = 65143349	M
RT = 10.025	Response = 72538248	M
RT = 10.093	Response = 53226427	M
RT = 10.673	Response = 87008416	M
RT = 11.234	Response = 72395175	M

Reviewer: vandorenc, 29-Nov-2012 09:52:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-66500/17 Calibration Date: 11/28/2012 09:09

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112717.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	193329374	183900871		0.951	1.00	-4.9	20.0
Toxaphene Peak 2	Ave	251674328	166187007		0.660	1.00	-34.0*	20.0
Toxaphene Peak 3	Ave	94342583	177517569		1.88	1.00	88.2*	20.0
Toxaphene Peak 4	Ave	183622795	180825847		0.985	1.00	-1.5	20.0
Toxaphene Peak 5	Ave	60562274	59492552		0.982	1.00	-1.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: ICV 240-66500/17 Calibration Date: 11/28/2012 09:09

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112717.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.38	10.35	10.41
Toxaphene Peak 2	11.41	11.37	11.43
Toxaphene Peak 3	11.75	11.72	11.78
Toxaphene Peak 4	12.15	12.12	12.18
Toxaphene Peak 5	12.53	12.50	12.56

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D
Lims ID: ICV Client ID:
Inject. Date: 28-Nov-2012 09:09:28 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0015316-017
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 17
Lims Batch ID: 66500 Lims Sample ID: 17
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 09:55:29 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 09:52:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.482	9.486	-0.004	65143349	0.7910		100.0	M
1	2	10.025	10.024	0.001	72538248	0.9000	75.2- 115.2	111.4	M
1	3	10.093	10.091	0.002	53226427	0.8854	54.7- 94.7	81.7	M
1	4	10.673	10.671	0.002	87008416	1.10	75.4- 115.4	133.6	M
1	5	11.234	11.236	-0.002	72395175	1.54	37.4- 77.4	111.1	M
			Average of Peak Amounts =			1.04			
2	100	10.380	10.382	-0.002	183900871	0.9512		100.0	M
2	2	11.406	11.398	0.008	166187007	0.6603	108.0- 148.0	90.4	M
2	3	11.745	11.746	-0.001	177517569	1.88	28.1- 68.1	96.5	M
2	4	12.150	12.148	0.002	180825847	0.9848	72.6- 112.6	98.3	M
2	5	12.531	12.534	-0.003	59492552	0.9823	9.6- 49.6	32.4	M
			Average of Peak Amounts =			1.09			
						RPD = 4.64			

QC Flag Legend

Review Flags
M - Manually Integrated

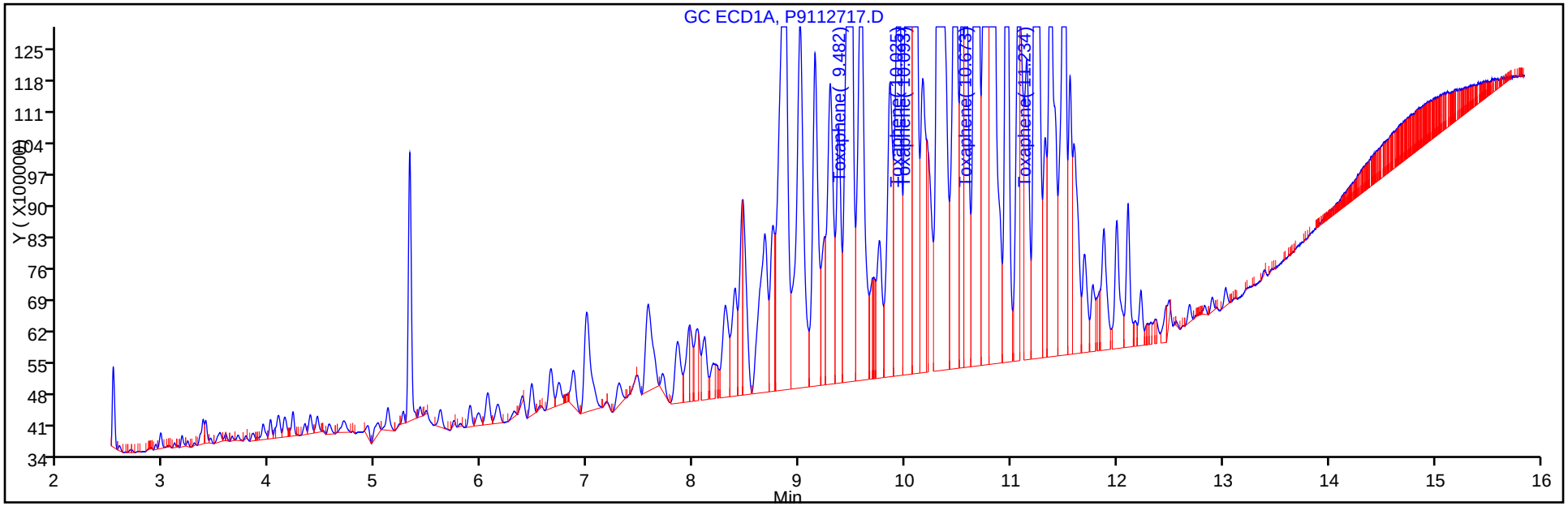
Report Date: 29-Nov-2012 09:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

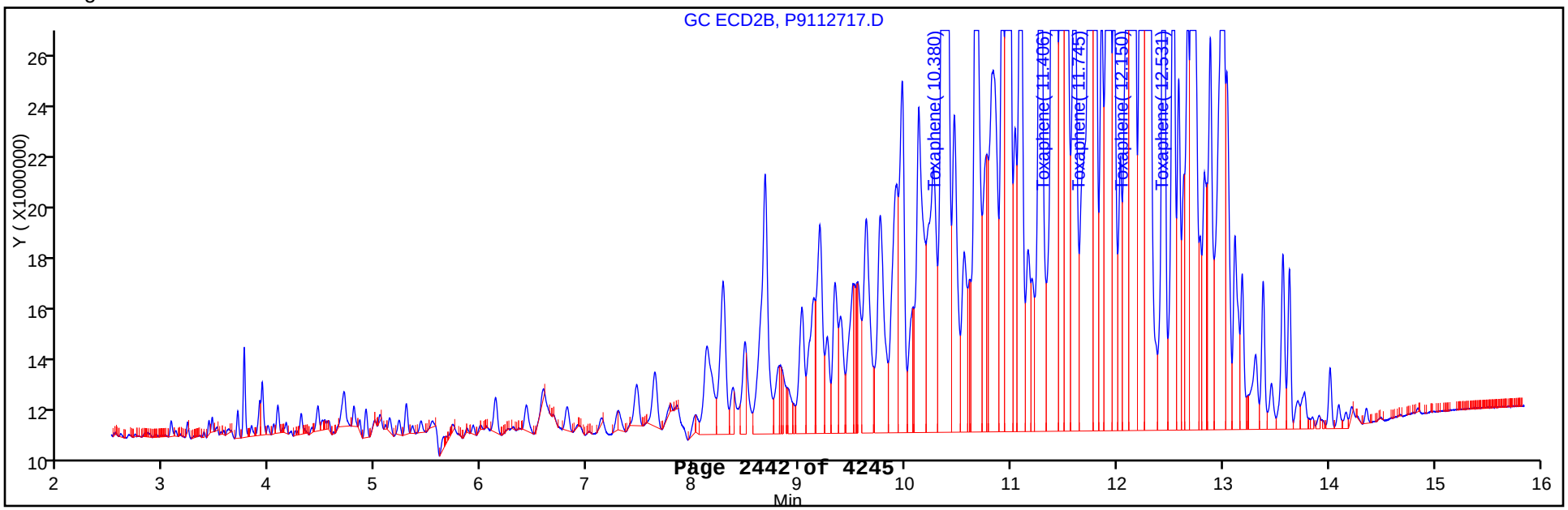
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D

Injection Date:	28-Nov-2012 09:09:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



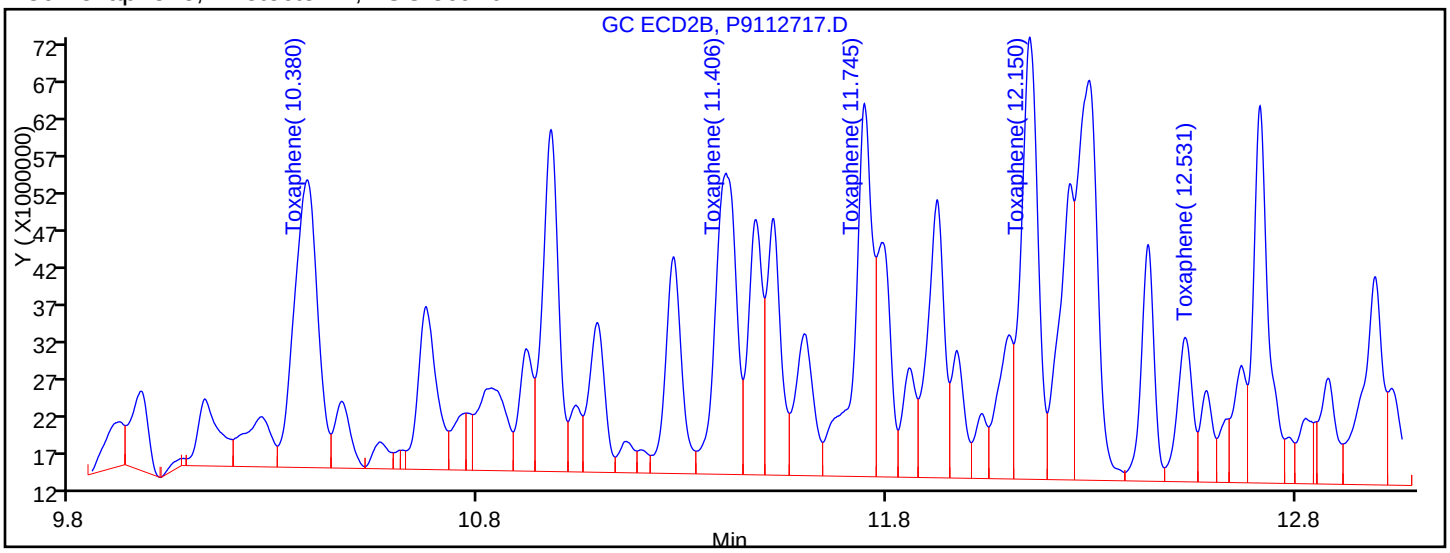
Report Date: 29-Nov-2012 09:55:34 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112717.D

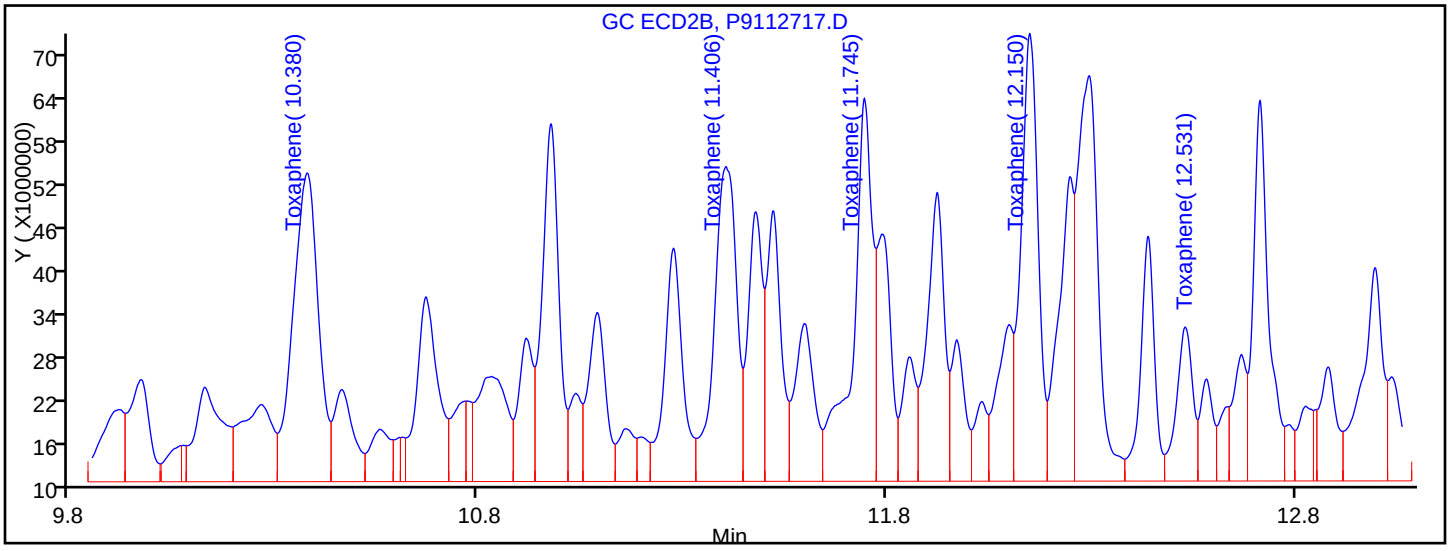
Injection Date:	28-Nov-2012 09:09:28	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	17
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 2, GC ecd2b



Processing Integration Results

RT = 10.380	Response = 154227357	M
RT = 11.406	Response = 146641355	M
RT = 11.745	Response = 157635027	M
RT = 12.150	Response = 170404458	M
RT = 12.531	Response = 50855560	M



Manual Integration Results

RT = 10.380	Response = 183900871	M
RT = 11.406	Response = 166187007	M
RT = 11.745	Response = 177517569	M
RT = 12.150	Response = 180825847	M
RT = 12.531	Response = 59492552	M

Reviewer: vandorenc, 29-Nov-2012 09:52:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/30 Calibration Date: 11/28/2012 15:08

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112730.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	3778911440		0.0298	0.0250	19.3	20.0
gamma-BHC (Lindane)	Ave	2696239648	3128234760		0.0290	0.0250	16.0	20.0
beta-BHC	Ave	1192117427	1388909440		0.0291	0.0250	16.5	20.0
delta-BHC	Ave	2593377382	3186616440		0.0307	0.0250	22.9*	20.0
Heptachlor	Ave	2436929739	2818097360		0.0289	0.0250	15.6	20.0
Aldrin	Ave	2967053625	3523978400		0.0297	0.0250	18.8	20.0
Heptachlor epoxide	Ave	2465306798	2921293600		0.0296	0.0250	18.5	20.0
gamma-Chlordane	Ave	2642311293	3105597640		0.0294	0.0250	17.5	20.0
alpha-Chlordane	Ave	2713419924	3192427440		0.0294	0.0250	17.7	20.0
Endosulfan I	Ave	2329014810	2778540920		0.0298	0.0250	19.3	20.0
4,4'-DDE	Ave	2894548445	3427364320		0.0296	0.0250	18.4	20.0
Dieldrin	Ave	2429335459	2888296840		0.0297	0.0250	18.9	20.0
Endrin	Ave	2233310440	2619065360		0.0293	0.0250	17.3	20.0
4,4'-DDD	Ave	1791905190	2239551960		0.0312	0.0250	25.0*	20.0
Endosulfan II	Ave	2120779171	2591974160		0.0306	0.0250	22.2*	20.0
4,4'-DDT	Ave	1420166233	1646132920		0.0290	0.0250	15.9	20.0
Endrin aldehyde	Ave	1574397867	1881319840		0.0299	0.0250	19.5	20.0
Methoxychlor	Ave	679722133	819089120		0.0301	0.0250	20.5*	20.0
Endosulfan sulfate	Ave	1727152069	2140127480		0.0310	0.0250	23.9*	20.0
Endrin ketone	Ave	1892819765	2282915440		0.0302	0.0250	20.6*	20.0
Tetrachloro-m-xylene	Ave	2415797538	2637612000		0.0273	0.0250	9.2	20.0
DCB Decachlorobiphenyl	Ave	2061793819	2425132520		0.0294	0.0250	17.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/30 Calibration Date: 11/28/2012 15:08

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112730.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.23	4.20	4.26
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.71	5.68	5.74
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.28	7.25	7.31
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.46	8.43	8.49
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.36	9.33	9.39
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112730.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 28-Nov-2012 15:08:10 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-030
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 66500 Lims Sample ID: 30
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:36 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	65940300	0.0273			
2	100	4.141	4.141	0.000	184680112	0.0260			
						RPD = 4.93			
5 alpha-BHC									
1	100	4.226	4.226	0.000	94472786	0.0298			
2	100	4.979	4.979	0.000	280367323	0.0282			
						RPD = 5.55			
20 gamma-BHC (Lindane)									
1	100	4.606	4.606	0.000	78205869	0.0290			
2	100	5.548	5.548	0.000	229651989	0.0277			
						RPD = 4.64			
7 beta-BHC									
1	100	4.739	4.739	0.000	34722736	0.0291			
2	100	5.728	5.728	0.000	103302527	0.0287			
						RPD = 1.65			
11 delta-BHC									
1	100	4.957	4.957	0.000	79665411	0.0307			
2	100	6.292	6.292	0.000	234634665	0.0297			
						RPD = 3.53			
22 Heptachlor									
1	100	5.244	5.244	0.000	70452434	0.0289			
2	100	6.394	6.394	0.000	196270896	0.0275			
						RPD = 5.05			
4 Aldrin									
1	100	5.705	5.705	0.000	88099460	0.0297			
2	100	7.131	7.131	0.000	234516325	0.0285			
						RPD = 3.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	73032340	0.0296			
2	100	8.606	8.606	0.000	193557459	0.0283			
						RPD = 4.46			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	77639941	0.0294			
2	100	9.026	9.026	0.000	195442266	0.0280			
						RPD = 4.66			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	79810686	0.0294			
2	100	9.336	9.336	0.000	197588591	0.0281			
						RPD = 4.66			
14 Endosulfan I									
1	100	7.898	7.898	0.000	69463523	0.0298			
2	100	9.396	9.396	0.000	163270777	0.0283			
						RPD = 5.08			
2 4,4'-DDE									
1	100	7.997	7.997	0.000	85684108	0.0296			
2	100	9.788	9.788	0.000	199767202	0.0277			
						RPD = 6.57			
13 Dieldrin									
1	100	8.458	8.458	0.000	72207421	0.0297			
2	100	9.927	9.927	0.000	178282638	0.0282			
						RPD = 5.19			
17 Endrin									
1	100	8.909	8.909	0.000	65476634	0.0293			
2	100	10.446	10.446	0.000	161963659	0.0278			
						RPD = 5.19			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	55988799	0.0312			
2	100	10.810	10.810	0.000	282752839	0.0288			
						RPD = 8.06			
15 Endosulfan II									
1	100	9.355	9.355	0.000	64799354	0.0306			
2	100	10.810	10.810	0.000	282752839	0.0288			
						RPD = 5.83			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	41153323	0.0290			
2	100	11.293	11.293	0.000	92318094	0.0277			
						RPD = 4.42			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	47032996	0.0299			
2	100	11.385	11.385	0.000	109164684	0.0285			
						RPD = 4.59			
27 Methoxychlor									
1	100	10.723	10.723	0.000	20477228	0.0301			
2	100	12.366	12.366	0.000	45603564	0.0274			
						RPD = 9.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	53503187	0.0310			
2	100	11.816	11.816	0.000	125321293	0.0290			
						RPD = 6.43			
19 Endrin ketone									
1	100	11.260	11.260	0.000	57072886	0.0302			
2	100	12.552	12.552	0.000	124515955	0.0284			
						RPD = 5.98			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.863	0.000	60628313	0.0294			
2	100	14.325	14.325	0.000	128443231	0.0271			
						RPD = 8.00			

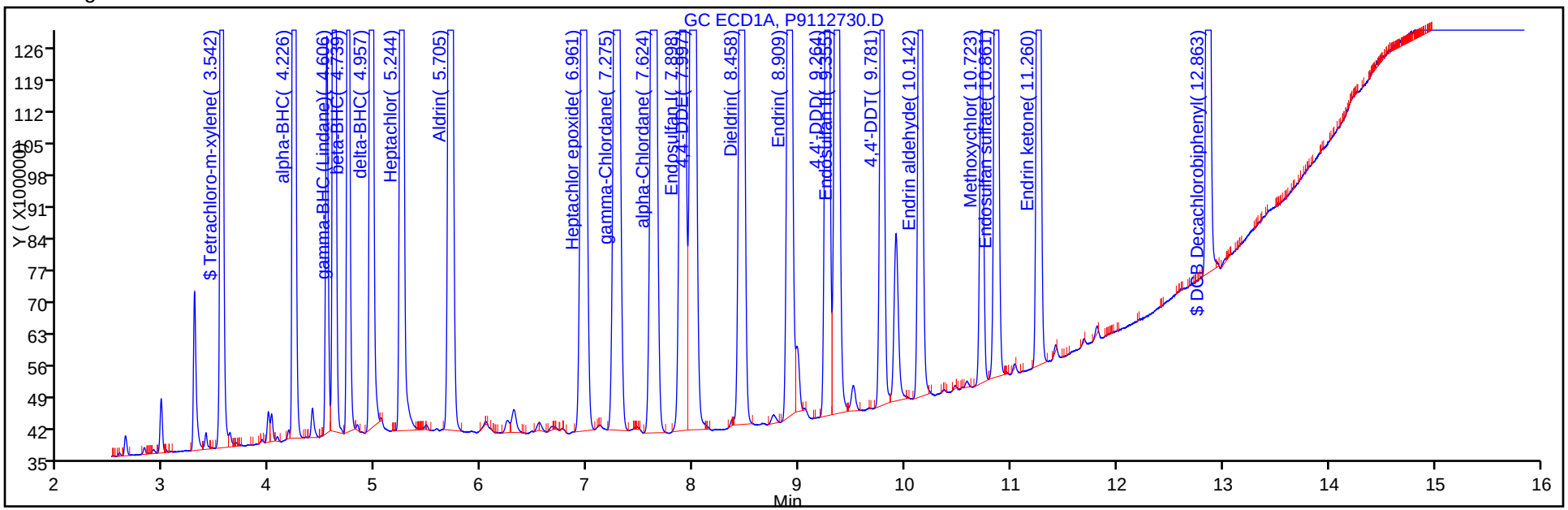
Report Date: 29-Nov-2012 11:21:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

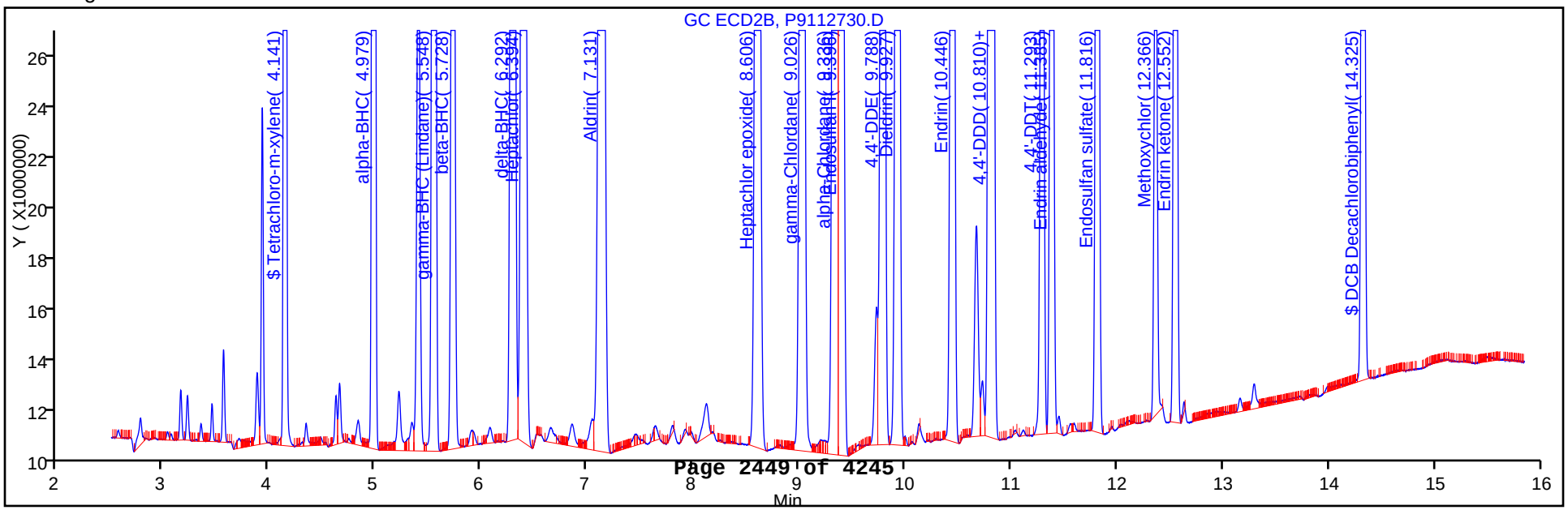
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112730.D

Injection Date:	28-Nov-2012 15:08:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	30
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/30 Calibration Date: 11/28/2012 15:08

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112730.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	11214692920		0.0282	0.0250	12.8	20.0
gamma-BHC (Lindane)	Ave	8293601368	9186079560		0.0277	0.0250	10.8	20.0
beta-BHC	Ave	3605562217	4132101080		0.0287	0.0250	14.6	20.0
delta-BHC	Ave	7912733268	9385386600		0.0297	0.0250	18.6	20.0
Heptachlor	Ave	7140697065	7850835840		0.0275	0.0250	9.9	20.0
Aldrin	Ave	8215129958	9380653000		0.0285	0.0250	14.2	20.0
Heptachlor epoxide	Ave	6831839093	7742298360		0.0283	0.0250	13.3	20.0
gamma-Chlordane	Ave	6968754018	7817690640		0.0280	0.0250	12.2	20.0
alpha-Chlordane	Ave	7037942515	7903543640		0.0281	0.0250	12.3	20.0
Endosulfan I	Ave	5759774207	6530831080		0.0283	0.0250	13.4	20.0
4,4'-DDE	Ave	7207034711	7990688080		0.0277	0.0250	10.9	20.0
Dieldrin	Ave	6317654321	7131305520		0.0282	0.0250	12.9	20.0
Endrin	Ave	5818678867	6478546360		0.0278	0.0250	11.3	20.0
4,4'-DDD	Ave	9809607119	11310113560		0.0288	0.0250	15.3	20.0
Endosulfan II	Ave	9809607119	11310113560		0.0288	0.0250	15.3	20.0
4,4'-DDT	Ave	3329664076	3692723760		0.0277	0.0250	10.9	20.0
Endrin aldehyde	Ave	3825777334	4366587360		0.0285	0.0250	14.1	20.0
Endosulfan sulfate	Ave	4314206102	5012851720		0.0290	0.0250	16.2	20.0
Methoxychlor	Ave	1662173652	1824142560		0.0274	0.0250	9.7	20.0
Endrin ketone	Ave	4384149523	4980638200		0.0284	0.0250	13.6	20.0
Tetrachloro-m-xylene	Ave	7107894572	7387204480		0.0260	0.0250	3.9	20.0
DCB Decachlorobiphenyl	Ave	4732054895	5137729240		0.0271	0.0250	8.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/30 Calibration Date: 11/28/2012 15:08

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112730.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.03	9.00	9.06
alpha-Chlordane	9.34	9.31	9.37
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.45	10.42	10.48
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.39	11.36	11.42
Endosulfan sulfate	11.82	11.79	11.85
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.33	14.30	14.36

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112730.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 28-Nov-2012 15:08:10 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-030
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 66500 Lims Sample ID: 30
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:36 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	65940300	0.0273			
2	100	4.141	4.141	0.000	184680112	0.0260			
						RPD = 4.93			
5 alpha-BHC									
1	100	4.226	4.226	0.000	94472786	0.0298			
2	100	4.979	4.979	0.000	280367323	0.0282			
						RPD = 5.55			
20 gamma-BHC (Lindane)									
1	100	4.606	4.606	0.000	78205869	0.0290			
2	100	5.548	5.548	0.000	229651989	0.0277			
						RPD = 4.64			
7 beta-BHC									
1	100	4.739	4.739	0.000	34722736	0.0291			
2	100	5.728	5.728	0.000	103302527	0.0287			
						RPD = 1.65			
11 delta-BHC									
1	100	4.957	4.957	0.000	79665411	0.0307			
2	100	6.292	6.292	0.000	234634665	0.0297			
						RPD = 3.53			
22 Heptachlor									
1	100	5.244	5.244	0.000	70452434	0.0289			
2	100	6.394	6.394	0.000	196270896	0.0275			
						RPD = 5.05			
4 Aldrin									
1	100	5.705	5.705	0.000	88099460	0.0297			
2	100	7.131	7.131	0.000	234516325	0.0285			
						RPD = 3.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	73032340	0.0296			
2	100	8.606	8.606	0.000	193557459	0.0283			
						RPD = 4.46			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	77639941	0.0294			
2	100	9.026	9.026	0.000	195442266	0.0280			
						RPD = 4.66			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	79810686	0.0294			
2	100	9.336	9.336	0.000	197588591	0.0281			
						RPD = 4.66			
14 Endosulfan I									
1	100	7.898	7.898	0.000	69463523	0.0298			
2	100	9.396	9.396	0.000	163270777	0.0283			
						RPD = 5.08			
2 4,4'-DDE									
1	100	7.997	7.997	0.000	85684108	0.0296			
2	100	9.788	9.788	0.000	199767202	0.0277			
						RPD = 6.57			
13 Dieldrin									
1	100	8.458	8.458	0.000	72207421	0.0297			
2	100	9.927	9.927	0.000	178282638	0.0282			
						RPD = 5.19			
17 Endrin									
1	100	8.909	8.909	0.000	65476634	0.0293			
2	100	10.446	10.446	0.000	161963659	0.0278			
						RPD = 5.19			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	55988799	0.0312			
2	100	10.810	10.810	0.000	282752839	0.0288			
						RPD = 8.06			
15 Endosulfan II									
1	100	9.355	9.355	0.000	64799354	0.0306			
2	100	10.810	10.810	0.000	282752839	0.0288			
						RPD = 5.83			
3 4,4'-DDT									
1	100	9.781	9.781	0.000	41153323	0.0290			
2	100	11.293	11.293	0.000	92318094	0.0277			
						RPD = 4.42			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	47032996	0.0299			
2	100	11.385	11.385	0.000	109164684	0.0285			
						RPD = 4.59			
27 Methoxychlor									
1	100	10.723	10.723	0.000	20477228	0.0301			
2	100	12.366	12.366	0.000	45603564	0.0274			
						RPD = 9.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	53503187	0.0310			
2	100	11.816	11.816	0.000	125321293	0.0290			
						RPD = 6.43			
19 Endrin ketone									
1	100	11.260	11.260	0.000	57072886	0.0302			
2	100	12.552	12.552	0.000	124515955	0.0284			
						RPD = 5.98			
$ 10 DCB Decachlorobiphenyl									
1	100	12.863	12.863	0.000	60628313	0.0294			
2	100	14.325	14.325	0.000	128443231	0.0271			
						RPD = 8.00			

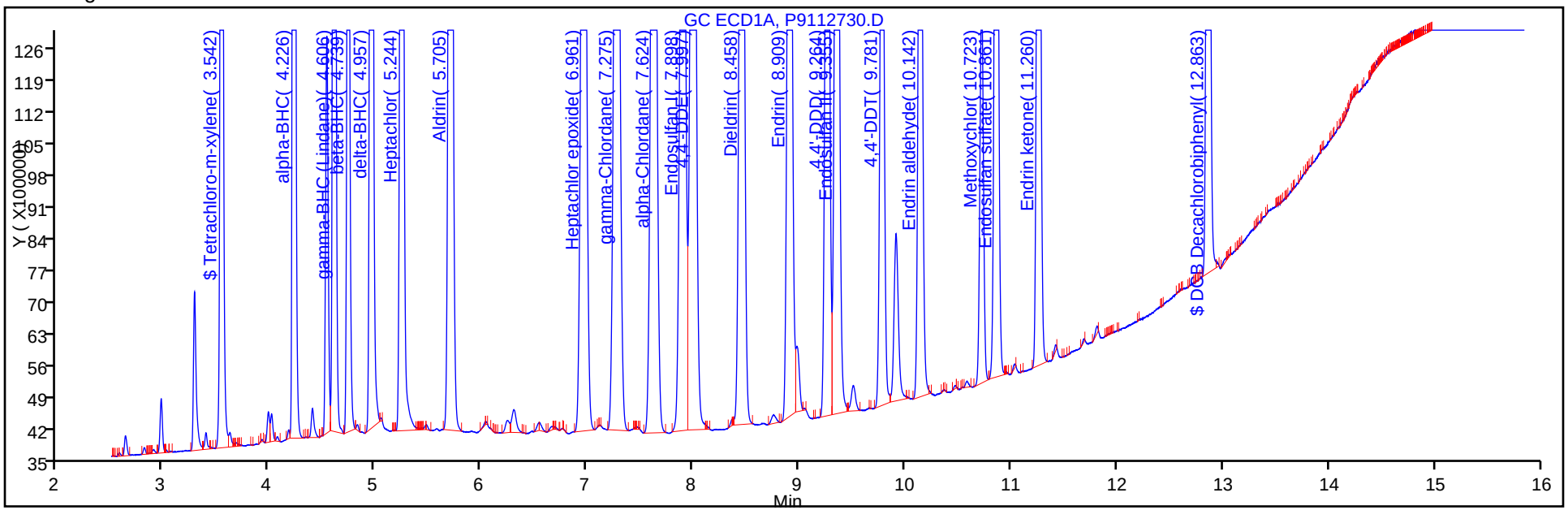
Report Date: 29-Nov-2012 11:21:36 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

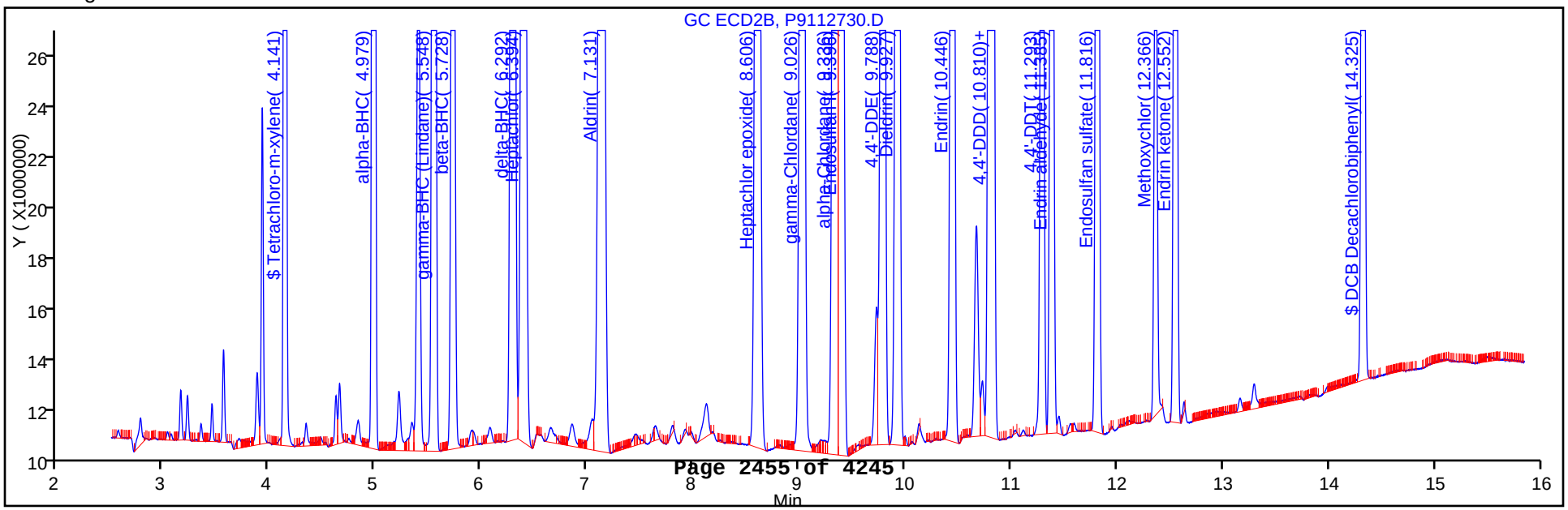
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112730.D

Injection Date:	28-Nov-2012 15:08:10	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	30
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/41 Calibration Date: 11/28/2012 20:15

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112741.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	4365977160		0.0344	0.0250	37.8*	20.0
gamma-BHC (Lindane)	Ave	2696239648	3698201760		0.0343	0.0250	37.2*	20.0
beta-BHC	Ave	1192117427	1604763080		0.0337	0.0250	34.6*	20.0
delta-BHC	Ave	2593377382	3593306240		0.0346	0.0250	38.6*	20.0
Heptachlor	Ave	2436929739	3216611000		0.0330	0.0250	32.0*	20.0
Aldrin	Ave	2967053625	3921148880		0.0330	0.0250	32.2*	20.0
Heptachlor epoxide	Ave	2465306798	3281699640		0.0333	0.0250	33.1*	20.0
gamma-Chlordane	Ave	2642311293	3486527960		0.0330	0.0250	31.9*	20.0
alpha-Chlordane	Ave	2713419924	3565233320		0.0328	0.0250	31.4*	20.0
Endosulfan I	Ave	2329014810	3093166720		0.0332	0.0250	32.8*	20.0
4,4'-DDE	Ave	2894548445	3714310840		0.0321	0.0250	28.3*	20.0
Dieldrin	Ave	2429335459	3222838800		0.0332	0.0250	32.7*	20.0
Endrin	Ave	2233310440	2920396400		0.0327	0.0250	30.8*	20.0
4,4'-DDD	Ave	1791905190	2447204360		0.0341	0.0250	36.6*	20.0
Endosulfan II	Ave	2120779171	2862107320		0.0337	0.0250	35.0*	20.0
4,4'-DDT	Ave	1420166233	1861491120		0.0328	0.0250	31.1*	20.0
Endrin aldehyde	Ave	1574397867	2055865520		0.0326	0.0250	30.6*	20.0
Methoxychlor	Ave	679722133	897030560		0.0330	0.0250	32.0*	20.0
Endosulfan sulfate	Ave	1727152069	2351626800		0.0340	0.0250	36.2*	20.0
Endrin ketone	Ave	1892819765	2544882640		0.0336	0.0250	34.4*	20.0
Tetrachloro-m-xylene	Ave	2415797538	2806110480		0.0290	0.0250	16.2	20.0
DCB Decachlorobiphenyl	Ave	2061793819	2632651200		0.0319	0.0250	27.7*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/41 Calibration Date: 11/28/2012 20:15

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112741.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.23	4.20	4.26
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.70	5.67	5.73
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.28	7.25	7.31
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.46	8.43	8.49
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.35	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 28-Nov-2012 20:15:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-041
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 41
Lims Batch ID: 66500 Lims Sample ID: 41
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:47 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:11:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	70152762	0.0290			
2	100	4.140	4.140	0.000	197739586	0.0278			
						RPD = 4.29			
5 alpha-BHC									
1	100	4.225	4.225	0.000	109149429	0.0344			
2	100	4.978	4.978	0.000	322250865	0.0324			
						RPD = 6.06			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	92455044	0.0343			
2	100	5.547	5.547	0.000	265375224	0.0320			
						RPD = 6.92			
7 beta-BHC									
1	100	4.738	4.738	0.000	40119077	0.0337			
2	100	5.727	5.727	0.000	114456923	0.0317			
						RPD = 5.84			
11 delta-BHC									
1	100	4.956	4.956	0.000	89832656	0.0346			
2	100	6.292	6.292	0.000	258625325	0.0327			
						RPD = 5.81			
22 Heptachlor									
1	100	5.242	5.242	0.000	80415275	0.0330			
2	100	6.393	6.393	0.000	221543812	0.0310			
						RPD = 6.16			
4 Aldrin									
1	100	5.704	5.704	0.000	98028722	0.0330			
2	100	7.132	7.132	0.000	258865932	0.0315			
						RPD = 4.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	82042491	0.0333			
2	100	8.605	8.605	0.000	216315262	0.0317			
						RPD = 4.98			
21 gamma-Chlordane									M
1	100	7.275	7.275	0.000	87163199	0.0330			M
2	100	9.025	9.025	0.000	217851877	0.0313			
						RPD = 5.37			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	89130833	0.0328			
2	100	9.333	9.333	0.000	218874761	0.0311			
						RPD = 5.47			
14 Endosulfan I									
1	100	7.897	7.897	0.000	77329168	0.0332			
2	100	9.396	9.396	0.000	182464534	0.0317			
						RPD = 4.70			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	92857771	0.0321			
2	100	9.787	9.787	0.000	216547038	0.0300			
						RPD = 6.55			
13 Dieldrin									
1	100	8.455	8.455	0.000	80570970	0.0332			
2	100	9.927	9.927	0.000	199025310	0.0315			
						RPD = 5.14			
17 Endrin									
1	100	8.908	8.908	0.000	73009910	0.0327			
2	100	10.444	10.444	0.000	180849286	0.0311			
						RPD = 5.05			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	61180109	0.0341			
2	100	10.810	10.810	0.000	314814438	0.0321			
						RPD = 6.19			
15 Endosulfan II									
1	100	9.354	9.354	0.000	71552683	0.0337			
2	100	10.810	10.810	0.000	314814438	0.0321			
						RPD = 5.00			
3 4,4'-DDT									
1	100	9.780	9.780	0.000	46537278	0.0328			
2	100	11.292	11.292	0.000	103354364	0.0310			
						RPD = 5.42			
18 Endrin aldehyde									
1	100	10.141	10.141	0.000	51396638	0.0326			
2	100	11.383	11.383	0.000	118786875	0.0310			
						RPD = 5.01			
27 Methoxychlor									
1	100	10.722	10.722	0.000	22425764	0.0330			
2	100	12.365	12.365	0.000	51832358	0.0312			
						RPD = 5.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	58790670	0.0340			
2	100	11.814	11.814	0.000	139239866	0.0323			
						RPD = 5.32			
19 Endrin ketone									
1	100	11.261	11.261	0.000	63622066	0.0336			
2	100	12.552	12.552	0.000	140321406	0.0320			
						RPD = 4.89			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	65816280	0.0319			
2	100	14.324	14.324	0.000	142344940	0.0301			
						RPD = 5.94			

QC Flag Legend

Review Flags
M - Manually Integrated

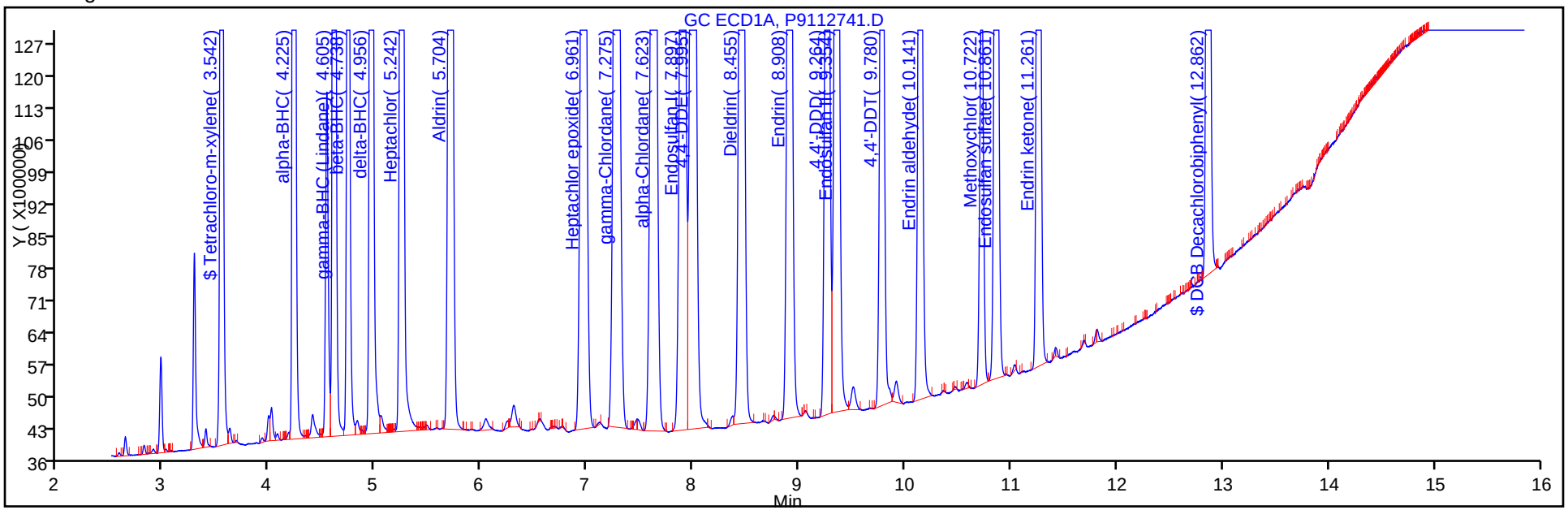
Report Date: 29-Nov-2012 11:21:47 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

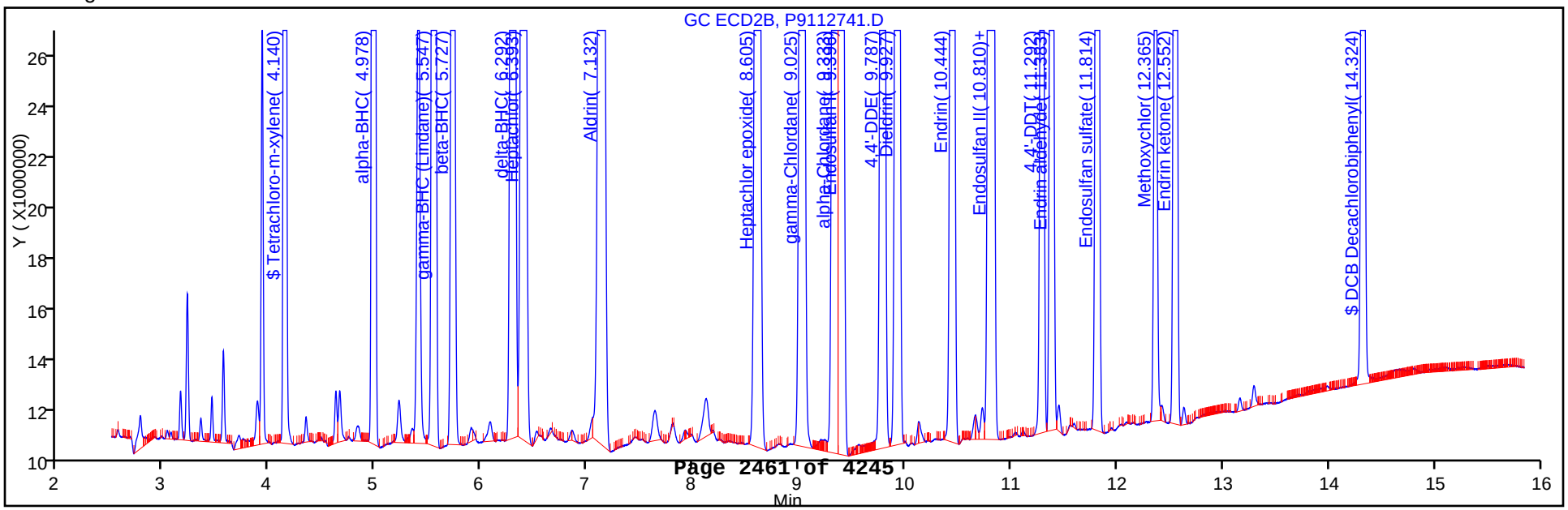
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D

Injection Date:	28-Nov-2012 20:15:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	41
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

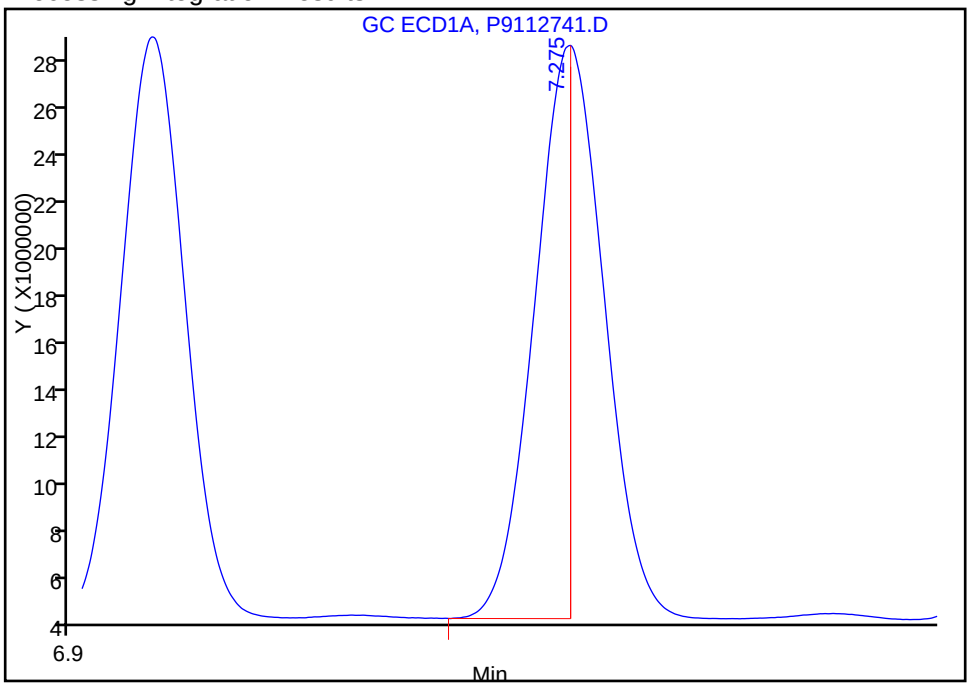
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D		
Injection Date:	28-Nov-2012 20:15:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	41
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

21 gamma-Chlordane, Signal: 1, Type: quant, RT: 7.27, Det: GC ECD1A

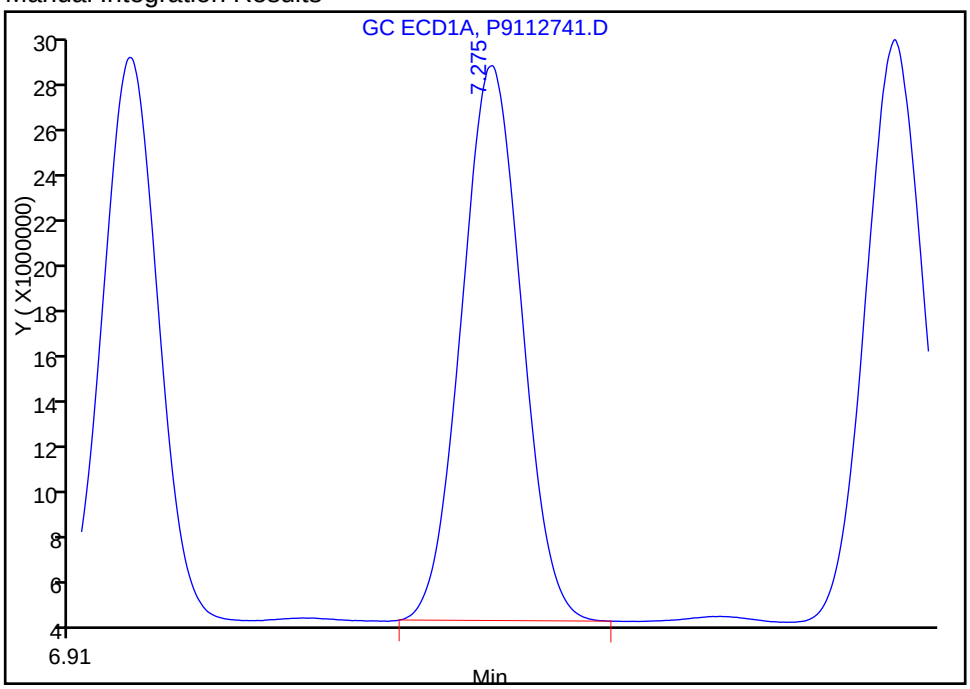
Processing Integration Results

RT: 7.27
Response: 44403729
Amount: 0.016805



Manual Integration Results

RT: 7.27
Response: 87163199
Amount: 0.032987



Reviewer: vandorenc, 29-Nov-2012 10:11:31
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/41 Calibration Date: 11/28/2012 20:15

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112741.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	12890034600		0.0324	0.0250	29.7*	20.0
gamma-BHC (Lindane)	Ave	8293601368	10615008960		0.0320	0.0250	28.0*	20.0
beta-BHC	Ave	3605562217	4578276920		0.0317	0.0250	27.0*	20.0
delta-BHC	Ave	7912733268	10345013000		0.0327	0.0250	30.7*	20.0
Heptachlor	Ave	7140697065	8861752480		0.0310	0.0250	24.1*	20.0
Aldrin	Ave	8215129958	10354637280		0.0315	0.0250	26.0*	20.0
Heptachlor epoxide	Ave	6831839093	8652610480		0.0317	0.0250	26.7*	20.0
gamma-Chlordane	Ave	6968754018	8714075080		0.0313	0.0250	25.0*	20.0
alpha-Chlordane	Ave	7037942515	8754990440		0.0311	0.0250	24.4*	20.0
Endosulfan I	Ave	5759774207	7298581360		0.0317	0.0250	26.7*	20.0
4,4'-DDE	Ave	7207034711	8661881520		0.0300	0.0250	20.2*	20.0
Dieldrin	Ave	6317654321	7961012400		0.0315	0.0250	26.0*	20.0
Endrin	Ave	5818678867	7233971440		0.0311	0.0250	24.3*	20.0
4,4'-DDD	Ave	9809607119	12592577520		0.0321	0.0250	28.4*	20.0
Endosulfan II	Ave	9809607119	12592577520		0.0321	0.0250	28.4*	20.0
4,4'-DDT	Ave	3329664076	4134174560		0.0310	0.0250	24.2*	20.0
Endrin aldehyde	Ave	3825777334	4751475000		0.0310	0.0250	24.2*	20.0
Endosulfan sulfate	Ave	4314206102	5569594640		0.0323	0.0250	29.1*	20.0
Methoxychlor	Ave	1662173652	2073294320		0.0312	0.0250	24.7*	20.0
Endrin ketone	Ave	4384149523	5612856240		0.0320	0.0250	28.0*	20.0
Tetrachloro-m-xylene	Ave	7107894572	7909583440		0.0278	0.0250	11.3	20.0
DCB Decachlorobiphenyl	Ave	4732054895	5693797600		0.0301	0.0250	20.3*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/41 Calibration Date: 11/28/2012 20:15

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112741.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.03	9.00	9.06
alpha-Chlordane	9.33	9.30	9.36
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.44	10.41	10.47
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.81	11.78	11.84
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.32	14.29	14.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 28-Nov-2012 20:15:23 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-041
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 41
Lims Batch ID: 66500 Lims Sample ID: 41
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:47 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:11:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	70152762	0.0290			
2	100	4.140	4.140	0.000	197739586	0.0278			
						RPD = 4.29			
5 alpha-BHC									
1	100	4.225	4.225	0.000	109149429	0.0344			
2	100	4.978	4.978	0.000	322250865	0.0324			
						RPD = 6.06			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	92455044	0.0343			
2	100	5.547	5.547	0.000	265375224	0.0320			
						RPD = 6.92			
7 beta-BHC									
1	100	4.738	4.738	0.000	40119077	0.0337			
2	100	5.727	5.727	0.000	114456923	0.0317			
						RPD = 5.84			
11 delta-BHC									
1	100	4.956	4.956	0.000	89832656	0.0346			
2	100	6.292	6.292	0.000	258625325	0.0327			
						RPD = 5.81			
22 Heptachlor									
1	100	5.242	5.242	0.000	80415275	0.0330			
2	100	6.393	6.393	0.000	221543812	0.0310			
						RPD = 6.16			
4 Aldrin									
1	100	5.704	5.704	0.000	98028722	0.0330			
2	100	7.132	7.132	0.000	258865932	0.0315			
						RPD = 4.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	82042491	0.0333			
2	100	8.605	8.605	0.000	216315262	0.0317			
						RPD = 4.98			
21 gamma-Chlordane									M
1	100	7.275	7.275	0.000	87163199	0.0330			M
2	100	9.025	9.025	0.000	217851877	0.0313			
						RPD = 5.37			
6 alpha-Chlordane									
1	100	7.623	7.623	0.000	89130833	0.0328			
2	100	9.333	9.333	0.000	218874761	0.0311			
						RPD = 5.47			
14 Endosulfan I									
1	100	7.897	7.897	0.000	77329168	0.0332			
2	100	9.396	9.396	0.000	182464534	0.0317			
						RPD = 4.70			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	92857771	0.0321			
2	100	9.787	9.787	0.000	216547038	0.0300			
						RPD = 6.55			
13 Dieldrin									
1	100	8.455	8.455	0.000	80570970	0.0332			
2	100	9.927	9.927	0.000	199025310	0.0315			
						RPD = 5.14			
17 Endrin									
1	100	8.908	8.908	0.000	73009910	0.0327			
2	100	10.444	10.444	0.000	180849286	0.0311			
						RPD = 5.05			
1 4,4'-DDD									
1	100	9.264	9.264	0.000	61180109	0.0341			
2	100	10.810	10.810	0.000	314814438	0.0321			
						RPD = 6.19			
15 Endosulfan II									
1	100	9.354	9.354	0.000	71552683	0.0337			
2	100	10.810	10.810	0.000	314814438	0.0321			
						RPD = 5.00			
3 4,4'-DDT									
1	100	9.780	9.780	0.000	46537278	0.0328			
2	100	11.292	11.292	0.000	103354364	0.0310			
						RPD = 5.42			
18 Endrin aldehyde									
1	100	10.141	10.141	0.000	51396638	0.0326			
2	100	11.383	11.383	0.000	118786875	0.0310			
						RPD = 5.01			
27 Methoxychlor									
1	100	10.722	10.722	0.000	22425764	0.0330			
2	100	12.365	12.365	0.000	51832358	0.0312			
						RPD = 5.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	58790670	0.0340			
2	100	11.814	11.814	0.000	139239866	0.0323			
						RPD = 5.32			
19 Endrin ketone									
1	100	11.261	11.261	0.000	63622066	0.0336			
2	100	12.552	12.552	0.000	140321406	0.0320			
						RPD = 4.89			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	65816280	0.0319			
2	100	14.324	14.324	0.000	142344940	0.0301			
						RPD = 5.94			

QC Flag Legend

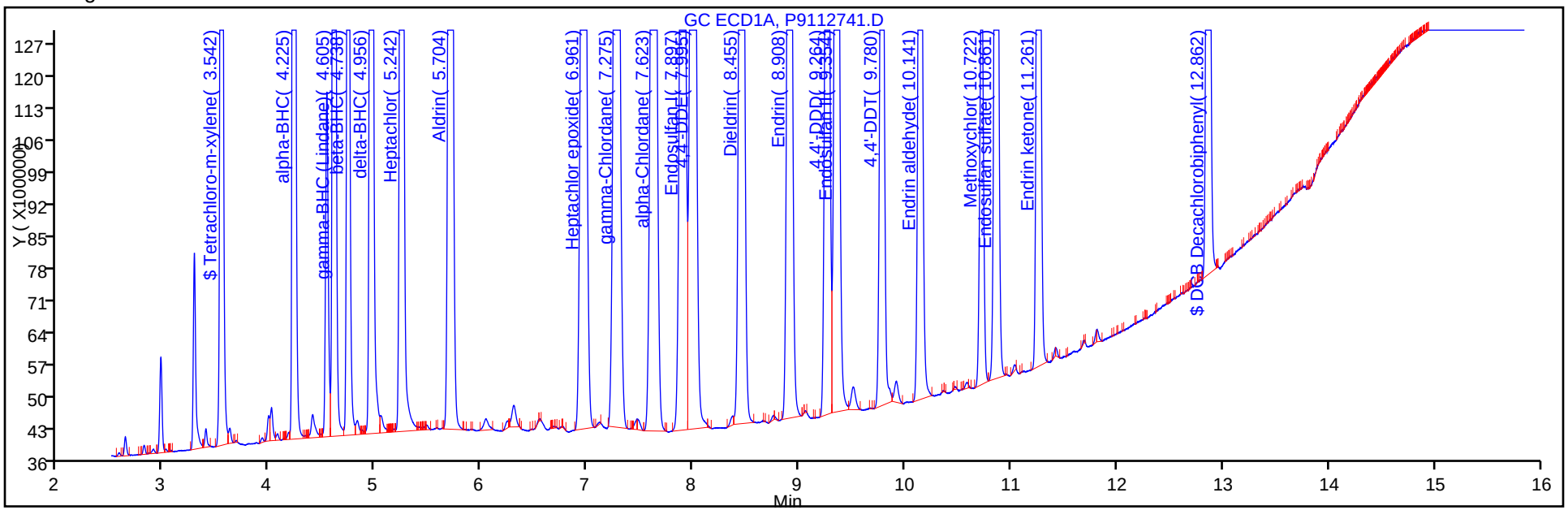
Review Flags
M - Manually Integrated

Report Date: 29-Nov-2012 11:21:48 Chrom Revision: 2.0 27-Nov-2012 13:14:12

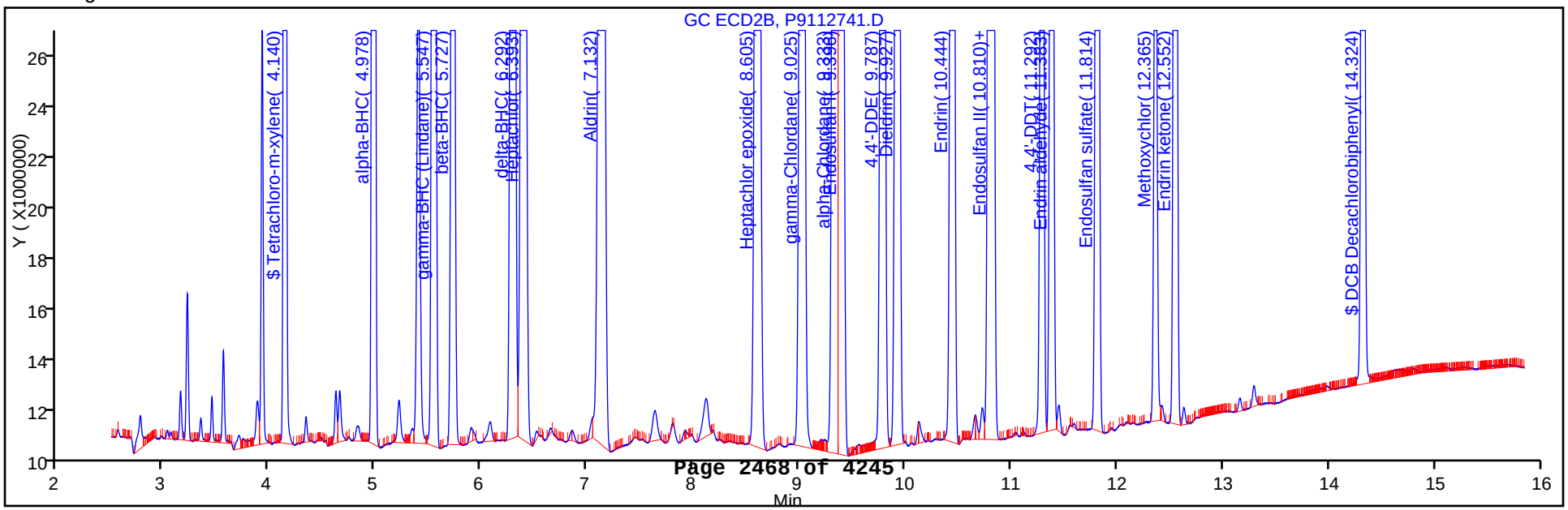
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112741.D		
Injection Date:	28-Nov-2012 20:15:23	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	41
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/52 Calibration Date: 11/29/2012 01:13

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112752.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	82355349	97106210		1.18	1.00	17.9	20.0
Toxaphene Peak 2	Ave	80598016	89173893		1.11	1.00	10.6	20.0
Toxaphene Peak 3	Ave	60115062	71648557		1.19	1.00	19.2	20.0
Toxaphene Peak 4	Ave	79190156	84748411		1.07	1.00	7.0	20.0
Toxaphene Peak 5	Ave	47091318	48315079		1.03	1.00	2.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/52 Calibration Date: 11/29/2012 01:13

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112752.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.48	9.45	9.51
Toxaphene Peak 2	10.02	9.99	10.05
Toxaphene Peak 3	10.09	10.06	10.12
Toxaphene Peak 4	10.67	10.64	10.70
Toxaphene Peak 5	11.23	11.20	11.26

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 29-Nov-2012 01:13:49 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-052
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 52
Lims Batch ID: 66500 Lims Sample ID: 52
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:58 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:12:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	97106210	1.18		100.0	M
1	2	10.023	10.023	0.000	89173893	1.11	75.2- 115.2	91.8	M
1	3	10.091	10.091	0.000	71648557	1.19	54.7- 94.7	73.8	M
1	4	10.671	10.671	0.000	84748411	1.07	75.4- 115.4	87.3	M
1	5	11.233	11.233	0.000	48315079	1.03	37.4- 77.4	49.8	M
			Average of Peak Amounts =			1.11			
2	100	10.382	10.382	0.000	207068248	1.07		100.0	
2	2	11.399	11.399	0.000	263105114	1.05	108.0- 148.0	127.1	
2	3	11.746	11.746	0.000	89272603	0.9463	28.1- 68.1	43.1	
2	4	12.148	12.148	0.000	178982831	0.9747	72.6- 112.6	86.4	
2	5	12.535	12.535	0.000	48858153	0.8067	9.6- 49.6	23.6	
			Average of Peak Amounts =			0.9688			
						RPD = 14.00			

QC Flag Legend

Review Flags
M - Manually Integrated

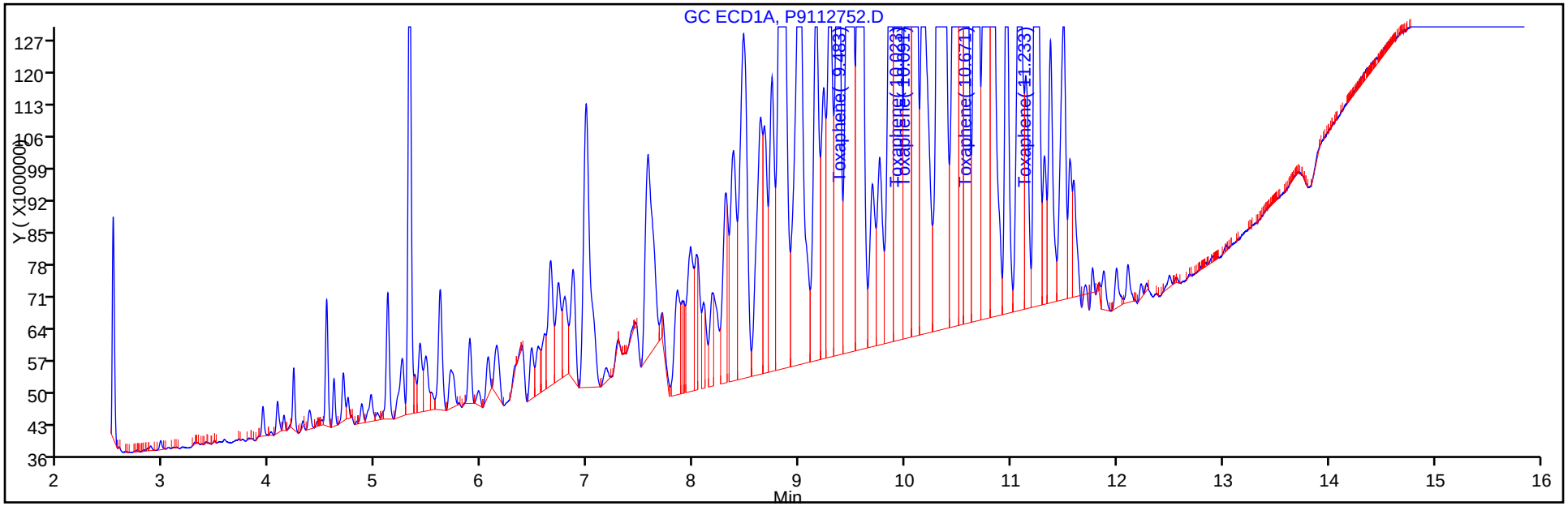
Report Date: 29-Nov-2012 11:21:58 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

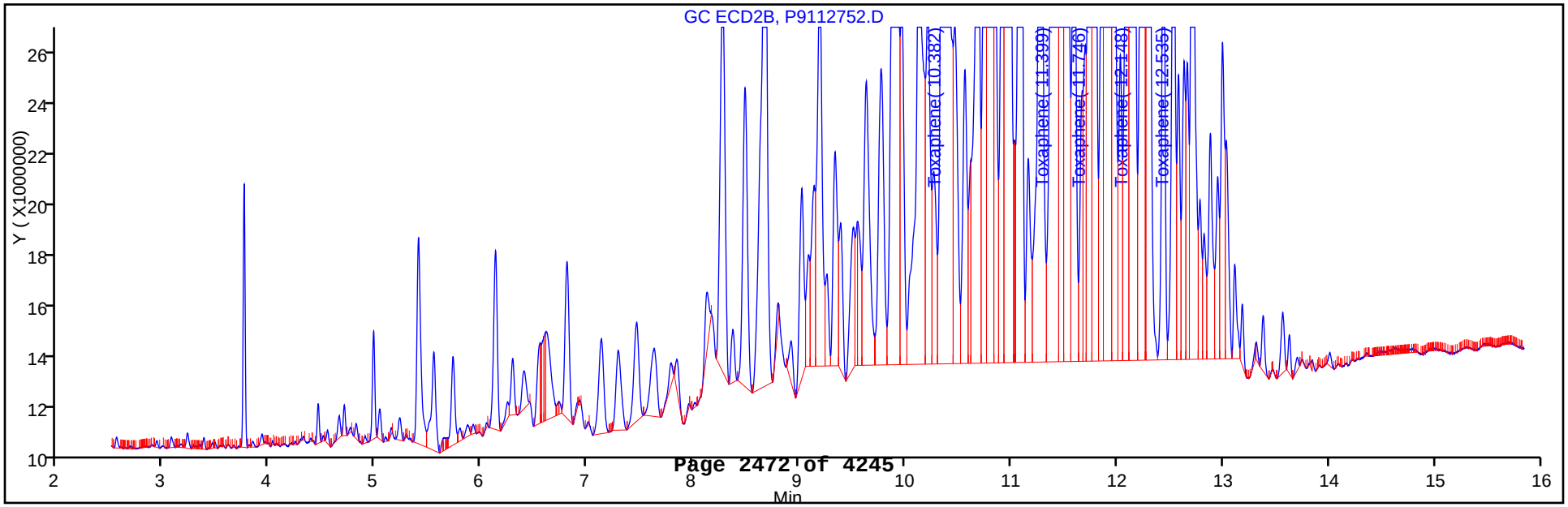
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D

Injection Date:	29-Nov-2012 01:13:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	52
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



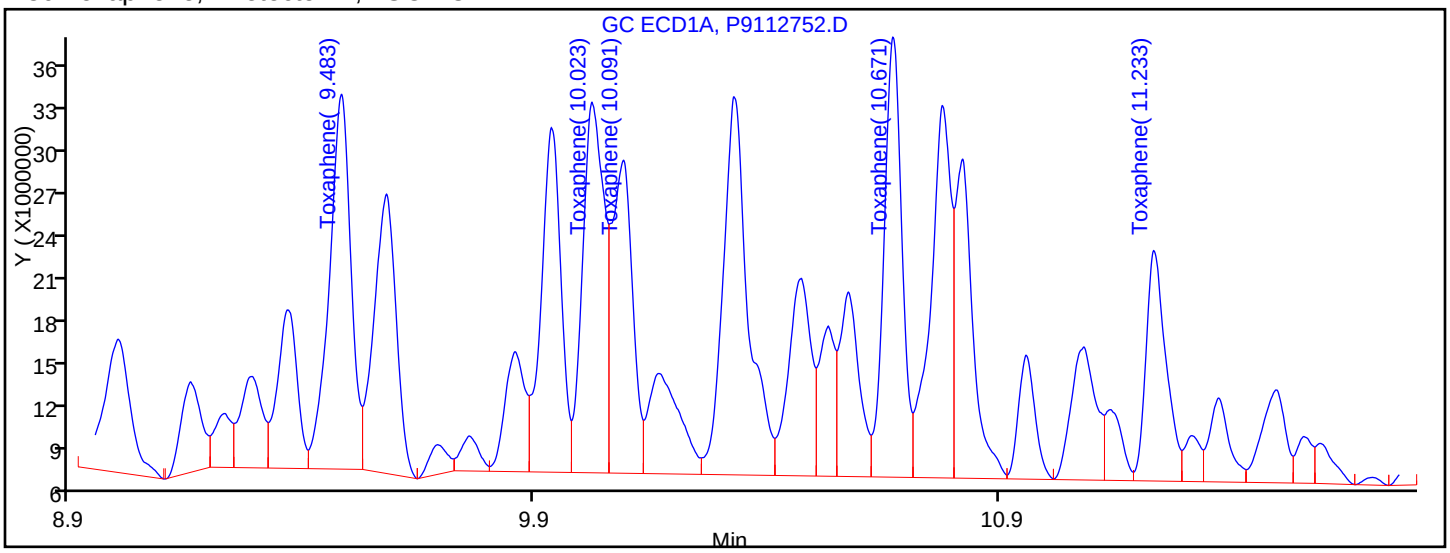
Report Date: 29-Nov-2012 11:21:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D

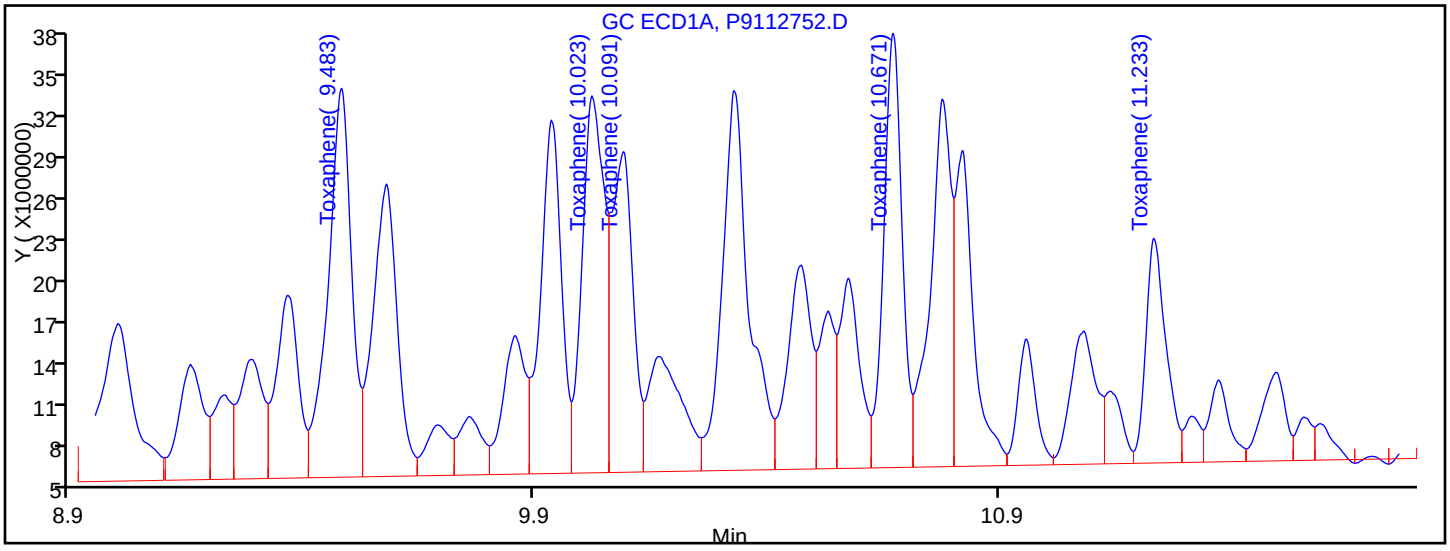
Injection Date:	29-Nov-2012 01:13:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	52
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

30 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 9.483	Response = 82766213	M
RT = 10.023	Response = 81990949	M
RT = 10.091	Response = 65414710	M
RT = 10.671	Response = 80383491	M
RT = 11.233	Response = 46961113	M



Manual Integration Results

RT = 9.483	Response = 97106210	M
RT = 10.023	Response = 89173893	M
RT = 10.091	Response = 71648557	M
RT = 10.671	Response = 84748411	M
RT = 11.233	Response = 48315079	M

Reviewer: vandorenc, 29-Nov-2012 10:12:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/52 Calibration Date: 11/29/2012 01:13

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112752.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	193329374	207068248		1.07	1.00	7.1	20.0
Toxaphene Peak 2	Ave	251674328	263105114		1.05	1.00	4.5	20.0
Toxaphene Peak 3	Ave	94342583	89272603		0.946	1.00	-5.4	20.0
Toxaphene Peak 4	Ave	183622795	178982831		0.975	1.00	-2.5	20.0
Toxaphene Peak 5	Ave	60562274	48858153		0.807	1.00	-19.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/52 Calibration Date: 11/29/2012 01:13

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 06:50

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 08:42

Lab File ID: P9112752.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	10.38	10.35	10.41
Toxaphene Peak 2	11.40	11.37	11.43
Toxaphene Peak 3	11.75	11.72	11.78
Toxaphene Peak 4	12.15	12.12	12.18
Toxaphene Peak 5	12.54	12.51	12.57

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D
Lims ID: CCV TOX3 Client ID:
Inject. Date: 29-Nov-2012 01:13:49 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-052
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 52
Lims Batch ID: 66500 Lims Sample ID: 52
Sublist: chrom-PEST9*sub1
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:58 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:12:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
30 Toxaphene									M
1	100	9.483	9.483	0.000	97106210	1.18		100.0	M
1	2	10.023	10.023	0.000	89173893	1.11	75.2- 115.2	91.8	M
1	3	10.091	10.091	0.000	71648557	1.19	54.7- 94.7	73.8	M
1	4	10.671	10.671	0.000	84748411	1.07	75.4- 115.4	87.3	M
1	5	11.233	11.233	0.000	48315079	1.03	37.4- 77.4	49.8	M
			Average of Peak Amounts =			1.11			
2	100	10.382	10.382	0.000	207068248	1.07		100.0	
2	2	11.399	11.399	0.000	263105114	1.05	108.0- 148.0	127.1	
2	3	11.746	11.746	0.000	89272603	0.9463	28.1- 68.1	43.1	
2	4	12.148	12.148	0.000	178982831	0.9747	72.6- 112.6	86.4	
2	5	12.535	12.535	0.000	48858153	0.8067	9.6- 49.6	23.6	
			Average of Peak Amounts =			0.9688			
						RPD = 14.00			

QC Flag Legend

Review Flags
M - Manually Integrated

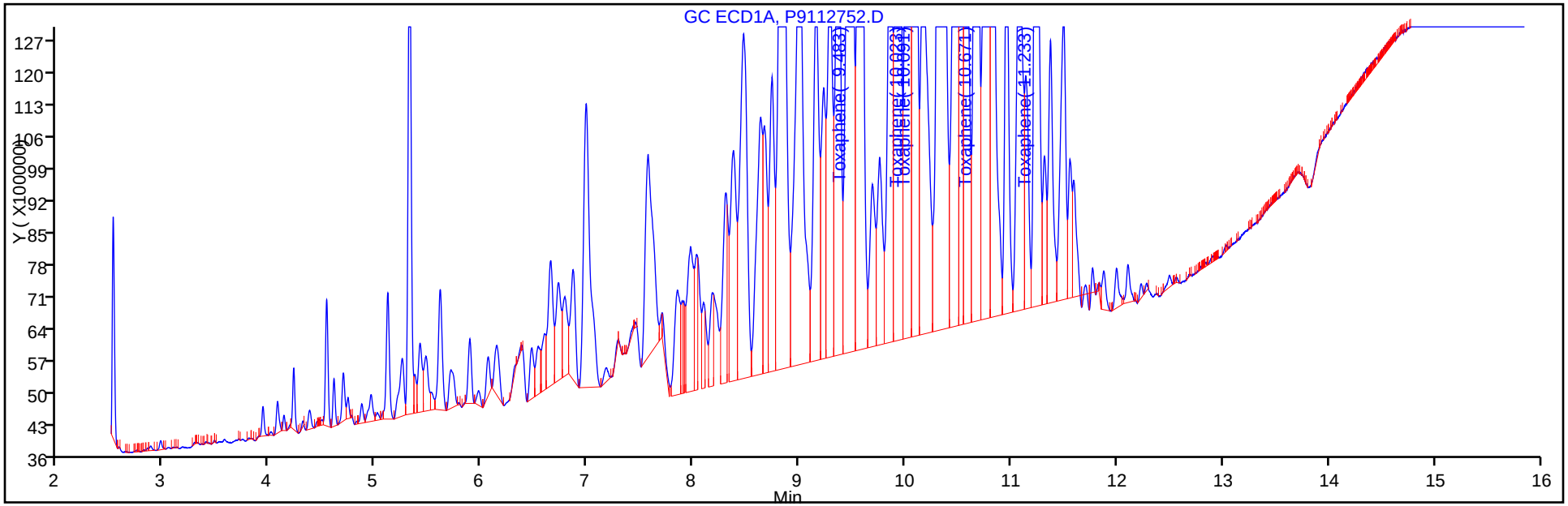
Report Date: 29-Nov-2012 11:21:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

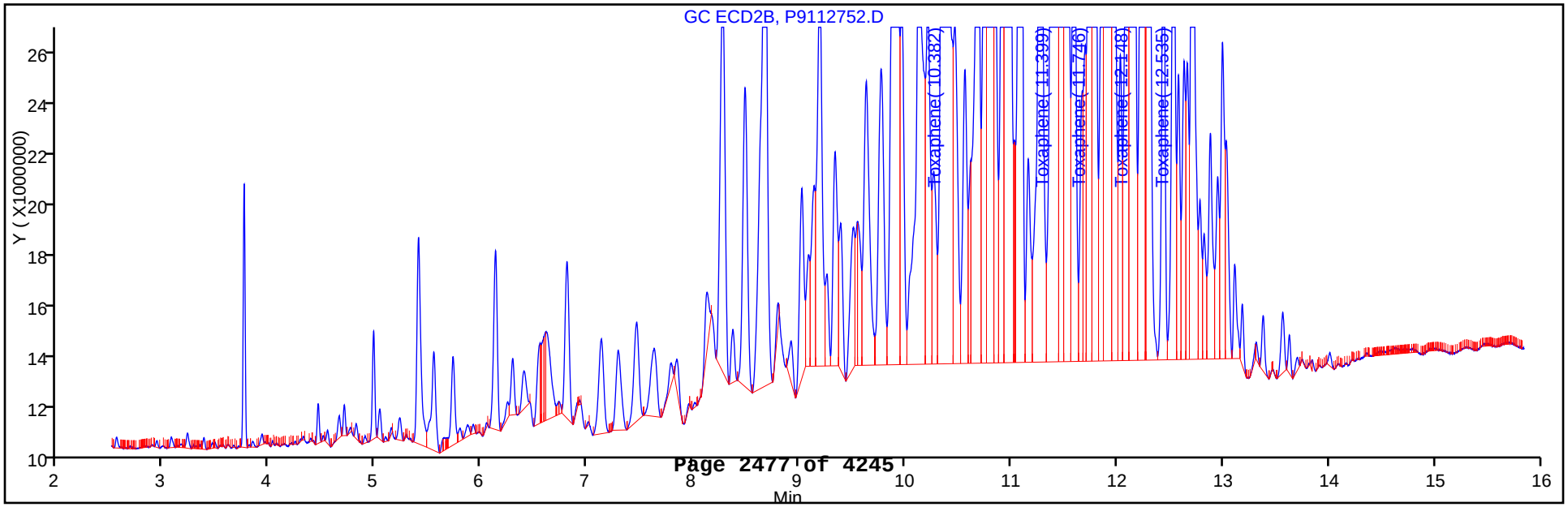
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112752.D

Injection Date:	29-Nov-2012 01:13:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	52
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/53 Calibration Date: 11/29/2012 01:41

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112753.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	4326674720		0.0341	0.0250	36.5*	20.0
gamma-BHC (Lindane)	Ave	2696239648	3554145160		0.0330	0.0250	31.8*	20.0
beta-BHC	Ave	1192117427	1577755240		0.0331	0.0250	32.3*	20.0
delta-BHC	Ave	2593377382	3583439800		0.0345	0.0250	38.2*	20.0
Heptachlor	Ave	2436929739	2953642960		0.0303	0.0250	21.2*	20.0
Aldrin	Ave	2967053625	3929403440		0.0331	0.0250	32.4*	20.0
Heptachlor epoxide	Ave	2465306798	3240314400		0.0329	0.0250	31.4*	20.0
gamma-Chlordane	Ave	2642311293	3467763880		0.0328	0.0250	31.2*	20.0
alpha-Chlordane	Ave	2713419924	3540959560		0.0326	0.0250	30.5*	20.0
Endosulfan I	Ave	2329014810	3011910000		0.0323	0.0250	29.3*	20.0
4,4'-DDE	Ave	2894548445	3663560040		0.0316	0.0250	26.6*	20.0
Dieldrin	Ave	2429335459	3185046240		0.0328	0.0250	31.1*	20.0
Endrin	Ave	2233310440	2771738240		0.0310	0.0250	24.1*	20.0
4,4'-DDD	Ave	1791905190	2339386640		0.0326	0.0250	30.6*	20.0
Endosulfan II	Ave	2120779171	2736200680		0.0323	0.0250	29.0*	20.0
4,4'-DDT	Ave	1420166233	1740584680		0.0306	0.0250	22.6*	20.0
Endrin aldehyde	Ave	1574397867	1911154480		0.0303	0.0250	21.4*	20.0
Methoxychlor	Ave	679722133	860390160		0.0316	0.0250	26.6*	20.0
Endosulfan sulfate	Ave	1727152069	2292034120		0.0332	0.0250	32.7*	20.0
Endrin ketone	Ave	1892819765	2369886000		0.0313	0.0250	25.2*	20.0
Tetrachloro-m-xylene	Ave	2415797538	2793206640		0.0289	0.0250	15.6	20.0
DCB Decachlorobiphenyl	Ave	2061793819	2432835160		0.0295	0.0250	18.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/53 Calibration Date: 11/29/2012 01:41

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112753.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.22	4.19	4.25
gamma-BHC (Lindane)	4.61	4.58	4.64
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.70	5.67	5.73
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.27	7.24	7.30
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.45	8.42	8.48
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.35	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112753.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 29-Nov-2012 01:41:19 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-053
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 53
Lims Batch ID: 66500 Lims Sample ID: 53
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:59 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.540	0.000	69830166	0.0289			
2	100	4.141	4.141	0.000	197193810	0.0277			
						RPD = 4.10			
5 alpha-BHC									
1	100	4.224	4.224	0.000	108166868	0.0341			
2	100	4.978	4.978	0.000	321183782	0.0323			
						RPD = 5.49			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	88853629	0.0330			
2	100	5.547	5.547	0.000	257075898	0.0310			
						RPD = 6.12			
7 beta-BHC									
1	100	4.737	4.737	0.000	39443881	0.0331			
2	100	5.727	5.727	0.000	114141083	0.0317			
						RPD = 4.42			
11 delta-BHC									
1	100	4.956	4.956	0.000	89585995	0.0345			
2	100	6.292	6.292	0.000	260598953	0.0329			
						RPD = 4.77			
22 Heptachlor									
1	100	5.242	5.242	0.000	73841074	0.0303			
2	100	6.393	6.393	0.000	206156128	0.0289			
						RPD = 4.83			
4 Aldrin									
1	100	5.703	5.703	0.000	98235086	0.0331			
2	100	7.130	7.130	0.000	260600139	0.0317			
						RPD = 4.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.960	6.960	0.000	81007860	0.0329			
2	100	8.605	8.605	0.000	214449392	0.0314			
						RPD = 4.57			
21 gamma-Chlordane									
1	100	7.274	7.274	0.000	86694097	0.0328			
2	100	9.026	9.026	0.000	217450634	0.0312			
						RPD = 5.02			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	88523989	0.0326			
2	100	9.334	9.334	0.000	215409521	0.0306			
						RPD = 6.38			
14 Endosulfan I									
1	100	7.897	7.897	0.000	75297750	0.0323			
2	100	9.395	9.395	0.000	177780800	0.0309			
						RPD = 4.63			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	91589001	0.0316			
2	100	9.786	9.786	0.000	212797699	0.0295			
						RPD = 6.92			
13 Dieldrin									
1	100	8.453	8.453	0.000	79626156	0.0328			
2	100	9.926	9.926	0.000	195654966	0.0310			
						RPD = 5.67			
17 Endrin									
1	100	8.908	8.908	0.000	69293456	0.0310			
2	100	10.444	10.444	0.000	171258051	0.0294			
						RPD = 5.28			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	58484666	0.0326			
2	100	10.810	10.810	0.000	300953761	0.0307			
						RPD = 6.19			
15 Endosulfan II									
1	100	9.352	9.352	0.000	68405017	0.0323			
2	100	10.810	10.810	0.000	300953761	0.0307			
						RPD = 5.01			
3 4,4'-DDT									
1	100	9.779	9.779	0.000	43514617	0.0306			
2	100	11.292	11.292	0.000	98659271	0.0296			
						RPD = 3.35			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	47778862	0.0303			
2	100	11.382	11.382	0.000	111089949	0.0290			
						RPD = 4.41			
27 Methoxychlor									
1	100	10.723	10.723	0.000	21509754	0.0316			
2	100	12.365	12.365	0.000	47589433	0.0286			
						RPD = 10.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	57300853	0.0332			
2	100	11.814	11.814	0.000	134469247	0.0312			
						RPD = 6.24			
19 Endrin ketone									
1	100	11.260	11.260	0.000	59247150	0.0313			
2	100	12.552	12.552	0.000	129638391	0.0296			
						RPD = 5.69			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	60820879	0.0295			
2	100	14.323	14.323	0.000	132484924	0.0280			
						RPD = 5.22			

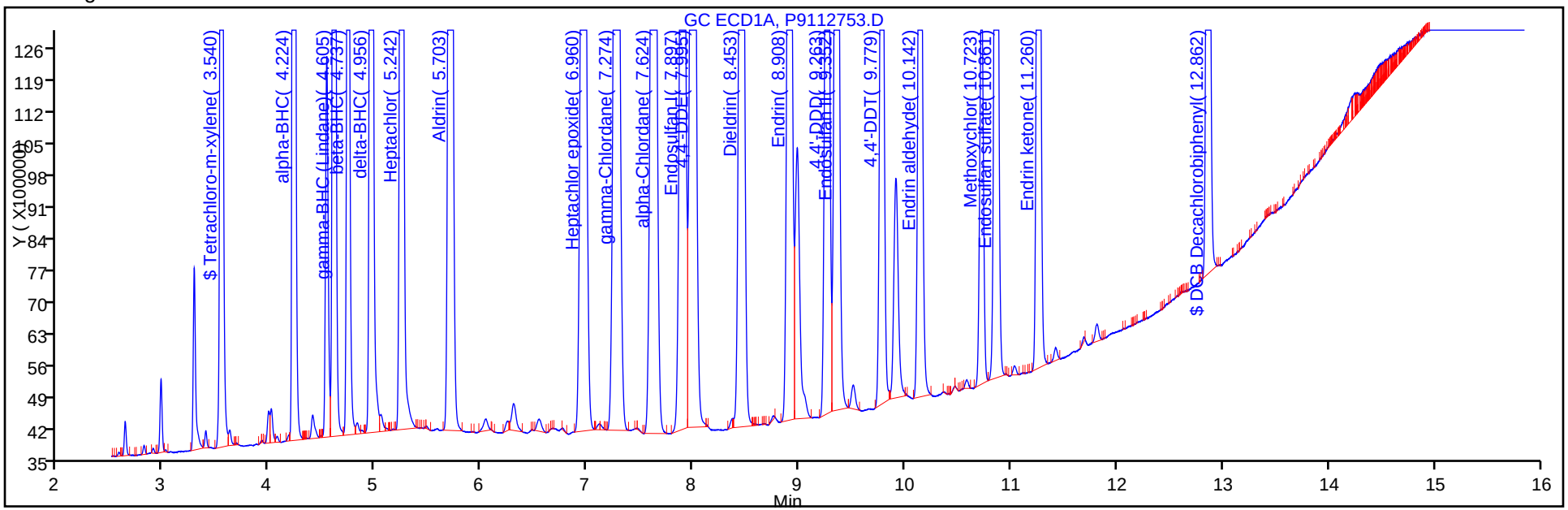
Report Date: 29-Nov-2012 11:21:59 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

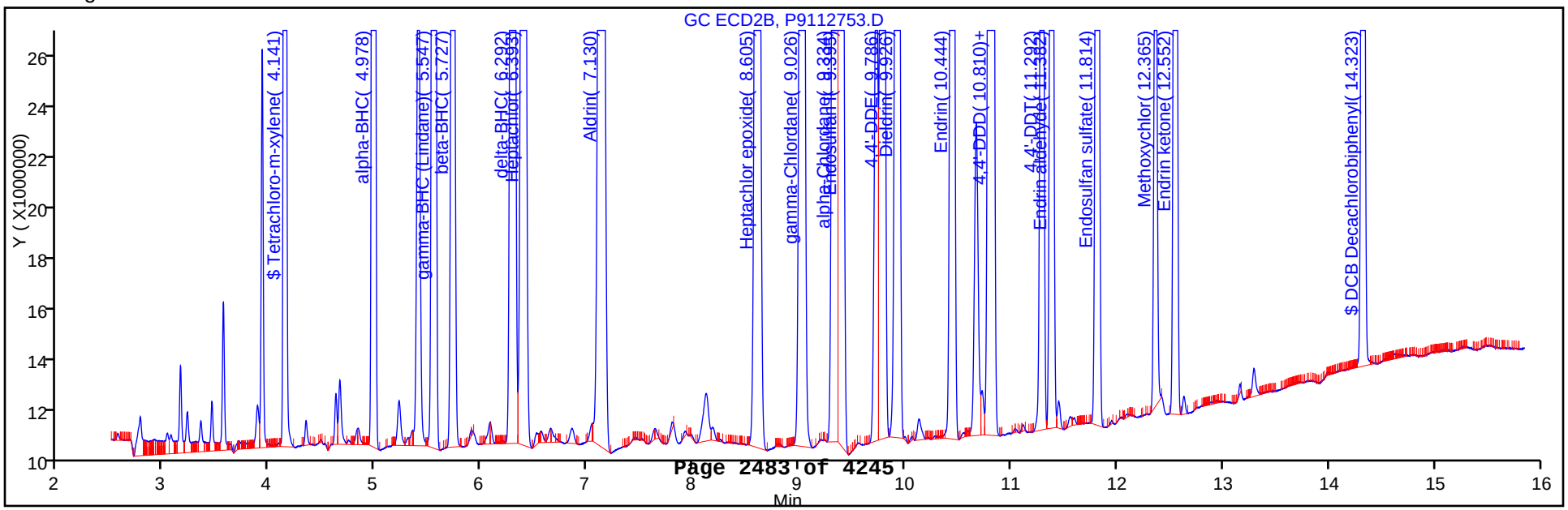
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112753.D

Injection Date:	29-Nov-2012 01:41:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	53
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/53 Calibration Date: 11/29/2012 01:41

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112753.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	12847351280		0.0323	0.0250	29.2*	20.0
gamma-BHC (Lindane)	Ave	8293601368	10283035920		0.0310	0.0250	24.0*	20.0
beta-BHC	Ave	3605562217	4565643320		0.0317	0.0250	26.6*	20.0
delta-BHC	Ave	7912733268	10423958120		0.0329	0.0250	31.7*	20.0
Heptachlor	Ave	7140697065	8246245120		0.0289	0.0250	15.5	20.0
Aldrin	Ave	8215129958	10424005560		0.0317	0.0250	26.9*	20.0
Heptachlor epoxide	Ave	6831839093	8577975680		0.0314	0.0250	25.6*	20.0
gamma-Chlordane	Ave	6968754018	8698025360		0.0312	0.0250	24.8*	20.0
alpha-Chlordane	Ave	7037942515	8616380840		0.0306	0.0250	22.4*	20.0
Endosulfan I	Ave	5759774207	7111232000		0.0309	0.0250	23.5*	20.0
4,4'-DDE	Ave	7207034711	8511907960		0.0295	0.0250	18.1	20.0
Dieldrin	Ave	6317654321	7826198640		0.0310	0.0250	23.9*	20.0
Endrin	Ave	5818678867	6850322040		0.0294	0.0250	17.7	20.0
4,4'-DDD	Ave	9809607119	12038150440		0.0307	0.0250	22.7*	20.0
Endosulfan II	Ave	9809607119	12038150440		0.0307	0.0250	22.7*	20.0
4,4'-DDT	Ave	3329664076	3946370840		0.0296	0.0250	18.5	20.0
Endrin aldehyde	Ave	3825777334	4443597960		0.0290	0.0250	16.1	20.0
Endosulfan sulfate	Ave	4314206102	5378769880		0.0312	0.0250	24.7*	20.0
Methoxychlor	Ave	1662173652	1903577320		0.0286	0.0250	14.5	20.0
Endrin ketone	Ave	4384149523	5185535640		0.0296	0.0250	18.3	20.0
Tetrachloro-m-xylene	Ave	7107894572	7887752400		0.0277	0.0250	11.0	20.0
DCB Decachlorobiphenyl	Ave	4732054895	5299396960		0.0280	0.0250	12.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/53 Calibration Date: 11/29/2012 01:41

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112753.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.03	9.00	9.06
alpha-Chlordane	9.33	9.30	9.36
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.44	10.41	10.47
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.81	11.78	11.84
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.32	14.29	14.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112753.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 29-Nov-2012 01:41:19 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-053
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 53
Lims Batch ID: 66500 Lims Sample ID: 53
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:59 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.540	0.000	69830166	0.0289			
2	100	4.141	4.141	0.000	197193810	0.0277			
						RPD = 4.10			
5 alpha-BHC									
1	100	4.224	4.224	0.000	108166868	0.0341			
2	100	4.978	4.978	0.000	321183782	0.0323			
						RPD = 5.49			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	88853629	0.0330			
2	100	5.547	5.547	0.000	257075898	0.0310			
						RPD = 6.12			
7 beta-BHC									
1	100	4.737	4.737	0.000	39443881	0.0331			
2	100	5.727	5.727	0.000	114141083	0.0317			
						RPD = 4.42			
11 delta-BHC									
1	100	4.956	4.956	0.000	89585995	0.0345			
2	100	6.292	6.292	0.000	260598953	0.0329			
						RPD = 4.77			
22 Heptachlor									
1	100	5.242	5.242	0.000	73841074	0.0303			
2	100	6.393	6.393	0.000	206156128	0.0289			
						RPD = 4.83			
4 Aldrin									
1	100	5.703	5.703	0.000	98235086	0.0331			
2	100	7.130	7.130	0.000	260600139	0.0317			
						RPD = 4.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.960	6.960	0.000	81007860	0.0329			
2	100	8.605	8.605	0.000	214449392	0.0314			
						RPD = 4.57			
21 gamma-Chlordane									
1	100	7.274	7.274	0.000	86694097	0.0328			
2	100	9.026	9.026	0.000	217450634	0.0312			
						RPD = 5.02			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	88523989	0.0326			
2	100	9.334	9.334	0.000	215409521	0.0306			
						RPD = 6.38			
14 Endosulfan I									
1	100	7.897	7.897	0.000	75297750	0.0323			
2	100	9.395	9.395	0.000	177780800	0.0309			
						RPD = 4.63			
2 4,4'-DDE									
1	100	7.995	7.995	0.000	91589001	0.0316			
2	100	9.786	9.786	0.000	212797699	0.0295			
						RPD = 6.92			
13 Dieldrin									
1	100	8.453	8.453	0.000	79626156	0.0328			
2	100	9.926	9.926	0.000	195654966	0.0310			
						RPD = 5.67			
17 Endrin									
1	100	8.908	8.908	0.000	69293456	0.0310			
2	100	10.444	10.444	0.000	171258051	0.0294			
						RPD = 5.28			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	58484666	0.0326			
2	100	10.810	10.810	0.000	300953761	0.0307			
						RPD = 6.19			
15 Endosulfan II									
1	100	9.352	9.352	0.000	68405017	0.0323			
2	100	10.810	10.810	0.000	300953761	0.0307			
						RPD = 5.01			
3 4,4'-DDT									
1	100	9.779	9.779	0.000	43514617	0.0306			
2	100	11.292	11.292	0.000	98659271	0.0296			
						RPD = 3.35			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	47778862	0.0303			
2	100	11.382	11.382	0.000	111089949	0.0290			
						RPD = 4.41			
27 Methoxychlor									
1	100	10.723	10.723	0.000	21509754	0.0316			
2	100	12.365	12.365	0.000	47589433	0.0286			
						RPD = 10.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.861	10.861	0.000	57300853	0.0332			
2	100	11.814	11.814	0.000	134469247	0.0312			
						RPD = 6.24			
19 Endrin ketone									
1	100	11.260	11.260	0.000	59247150	0.0313			
2	100	12.552	12.552	0.000	129638391	0.0296			
						RPD = 5.69			
$ 10 DCB Decachlorobiphenyl									
1	100	12.862	12.862	0.000	60820879	0.0295			
2	100	14.323	14.323	0.000	132484924	0.0280			
						RPD = 5.22			

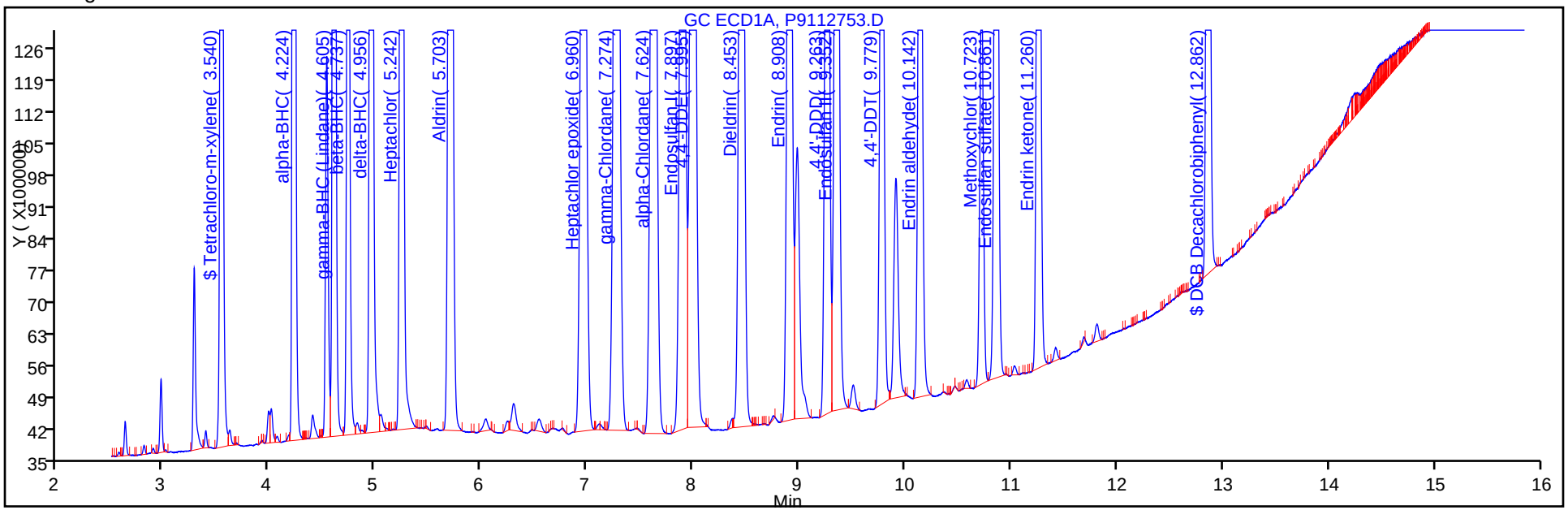
Report Date: 29-Nov-2012 11:22:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

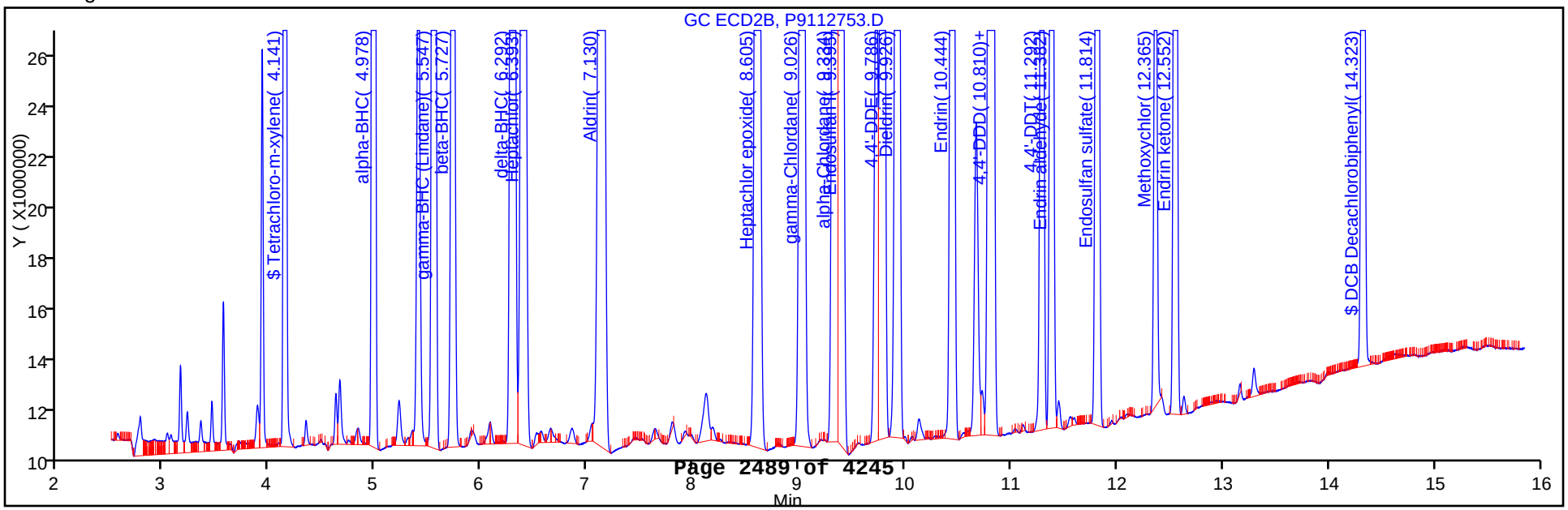
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112753.D

Injection Date:	29-Nov-2012 01:41:19	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	53
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/55 Calibration Date: 11/29/2012 02:36

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112755.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	3168667215	4078593080		0.0322	0.0250	28.7*	20.0
gamma-BHC (Lindane)	Ave	2696239648	3219586320		0.0299	0.0250	19.4	20.0
beta-BHC	Ave	1192117427	1432408880		0.0300	0.0250	20.2*	20.0
delta-BHC	Ave	2593377382	3153524280		0.0304	0.0250	21.6*	20.0
Heptachlor	Ave	2436929739	2563539600		0.0263	0.0250	5.2	20.0
Aldrin	Ave	2967053625	3751784960		0.0316	0.0250	26.4*	20.0
Heptachlor epoxide	Ave	2465306798	2913526560		0.0295	0.0250	18.2	20.0
gamma-Chlordane	Ave	2642311293	3139438400		0.0297	0.0250	18.8	20.0
alpha-Chlordane	Ave	2713419924	3240959840		0.0299	0.0250	19.4	20.0
Endosulfan I	Ave	2329014810	2614846800		0.0281	0.0250	12.3	20.0
4,4'-DDE	Ave	2894548445	3364389400		0.0291	0.0250	16.2	20.0
Dieldrin	Ave	2429335459	2840075960		0.0292	0.0250	16.9	20.0
Endrin	Ave	2233310440	2402265640		0.0269	0.0250	7.6	20.0
4,4'-DDD	Ave	1791905190	2015144520		0.0281	0.0250	12.5	20.0
Endosulfan II	Ave	2120779171	2367120240		0.0279	0.0250	11.6	20.0
4,4'-DDT	Ave	1420166233	1550850480		0.0273	0.0250	9.2	20.0
Endrin aldehyde	Ave	1574397867	1688261400		0.0268	0.0250	7.2	20.0
Methoxychlor	Ave	679722133	783880280		0.0288	0.0250	15.3	20.0
Endosulfan sulfate	Ave	1727152069	2038025480		0.0295	0.0250	18.0	20.0
Endrin ketone	Ave	1892819765	2142061160		0.0283	0.0250	13.2	20.0
Tetrachloro-m-xylene	Ave	2415797538	2734136720		0.0283	0.0250	13.2	20.0
DCB Decachlorobiphenyl	Ave	2061793819	2323439080		0.0282	0.0250	12.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/55 Calibration Date: 11/29/2012 02:36

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112755.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.22	4.19	4.25
gamma-BHC (Lindane)	4.60	4.57	4.63
beta-BHC	4.74	4.71	4.77
delta-BHC	4.96	4.93	4.99
Heptachlor	5.24	5.21	5.28
Aldrin	5.70	5.67	5.73
Heptachlor epoxide	6.96	6.93	6.99
gamma-Chlordane	7.28	7.25	7.31
alpha-Chlordane	7.62	7.59	7.65
Endosulfan I	7.90	7.87	7.93
4,4'-DDE	8.00	7.97	8.03
Dieldrin	8.45	8.42	8.48
Endrin	8.91	8.88	8.94
4,4'-DDD	9.26	9.23	9.29
Endosulfan II	9.35	9.32	9.38
4,4'-DDT	9.78	9.75	9.81
Endrin aldehyde	10.14	10.11	10.17
Methoxychlor	10.72	10.69	10.75
Endosulfan sulfate	10.86	10.83	10.89
Endrin ketone	11.26	11.23	11.29
Tetrachloro-m-xylene	3.54	3.51	3.57
DCB Decachlorobiphenyl	12.86	12.83	12.89

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112755.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 29-Nov-2012 02:36:25 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-055
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 55
Lims Batch ID: 66500 Lims Sample ID: 55
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:22:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.539	3.539	0.000	68353418	0.0283			
2	100	4.139	4.139	0.000	193206072	0.0272			
						RPD = 4.01			
5 alpha-BHC									
1	100	4.224	4.224	0.000	101964827	0.0322			
2	100	4.979	4.979	0.000	301197611	0.0303			
						RPD = 6.01			
20 gamma-BHC (Lindane)									
1	100	4.604	4.604	0.000	80489658	0.0299			
2	100	5.548	5.548	0.000	229655991	0.0277			
						RPD = 7.51			
7 beta-BHC									
1	100	4.738	4.738	0.000	35810222	0.0300			
2	100	5.727	5.727	0.000	103784806	0.0288			
						RPD = 4.27			
11 delta-BHC									
1	100	4.955	4.955	0.000	78838107	0.0304			
2	100	6.293	6.293	0.000	229486172	0.0290			
						RPD = 4.71			
22 Heptachlor									
1	100	5.243	5.243	0.000	64088490	0.0263			
2	100	6.394	6.394	0.000	177272257	0.0248			
						RPD = 5.76			
4 Aldrin									
1	100	5.704	5.704	0.000	93794624	0.0316			
2	100	7.131	7.131	0.000	248002244	0.0302			
						RPD = 4.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	72838164	0.0295			
2	100	8.606	8.606	0.000	193791358	0.0284			
						RPD = 4.07			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	78485960	0.0297			
2	100	9.026	9.026	0.000	198548207	0.0285			
						RPD = 4.17			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	81023996	0.0299			
2	100	9.335	9.335	0.000	198356086	0.0282			
						RPD = 5.78			
14 Endosulfan I									
1	100	7.899	7.899	0.000	65371170	0.0281			
2	100	9.396	9.396	0.000	154807358	0.0269			
						RPD = 4.33			
2 4,4'-DDE									
1	100	7.996	7.996	0.000	84109735	0.0291			
2	100	9.787	9.787	0.000	197950625	0.0275			
						RPD = 5.63			
13 Dieldrin									
1	100	8.454	8.454	0.000	71001899	0.0292			
2	100	9.926	9.926	0.000	176000700	0.0279			
						RPD = 4.79			
17 Endrin									
1	100	8.908	8.908	0.000	60056641	0.0269			
2	100	10.445	10.445	0.000	149493733	0.0257			
						RPD = 4.56			
1 4,4'-DDD									
1	100	9.262	9.262	0.000	50378613	0.0281			
2	100	10.809	10.809	0.000	262654789	0.0268			
						RPD = 4.88			
15 Endosulfan II									
1	100	9.353	9.353	0.000	59178006	0.0279			
2	100	10.809	10.809	0.000	262654789	0.0268			
						RPD = 4.13			
3 4,4'-DDT									
1	100	9.779	9.779	0.000	38771262	0.0273			
2	100	11.292	11.292	0.000	87866643	0.0264			
						RPD = 3.40			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	42206535	0.0268			
2	100	11.384	11.384	0.000	98433859	0.0257			
						RPD = 4.11			
27 Methoxychlor									
1	100	10.721	10.721	0.000	19597007	0.0288			
2	100	12.365	12.365	0.000	46756634	0.0281			
						RPD = 2.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	50950637	0.0295			
2	100	11.814	11.814	0.000	119561459	0.0277			
						RPD = 6.24			
19 Endrin ketone									
1	100	11.260	11.260	0.000	53551529	0.0283			
2	100	12.552	12.552	0.000	117255366	0.0267			
						RPD = 5.62			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.860	0.000	58085977	0.0282			
2	100	14.324	14.324	0.000	123664368	0.0261			
						RPD = 7.51			

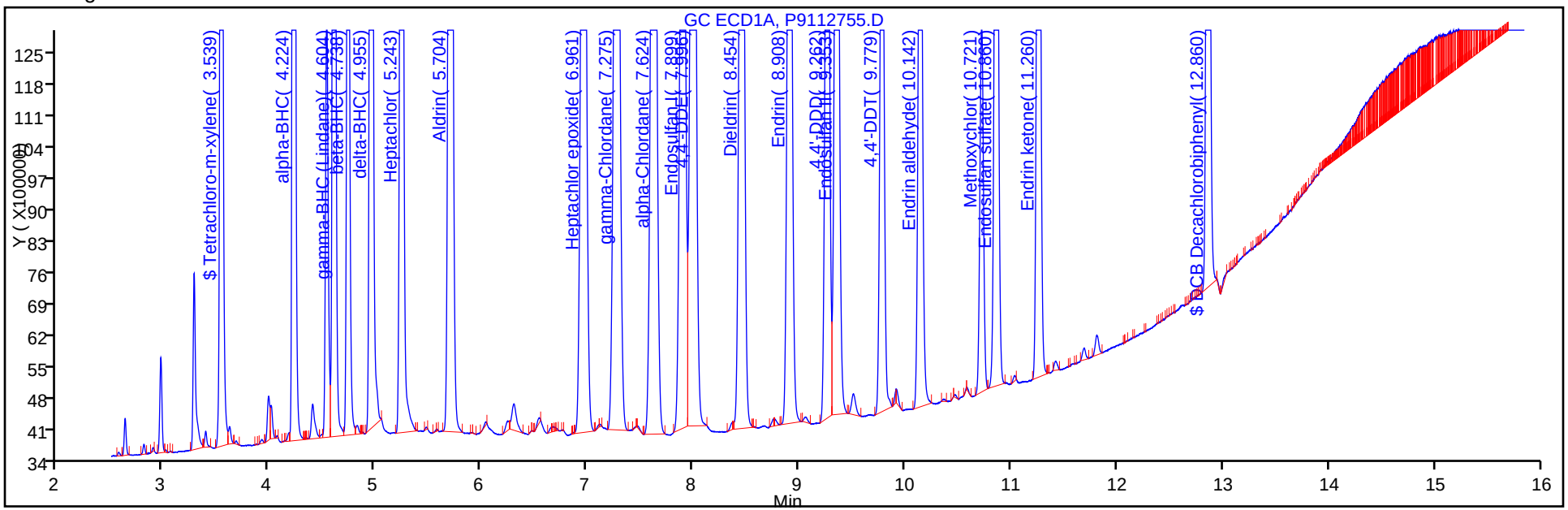
Report Date: 29-Nov-2012 11:22:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

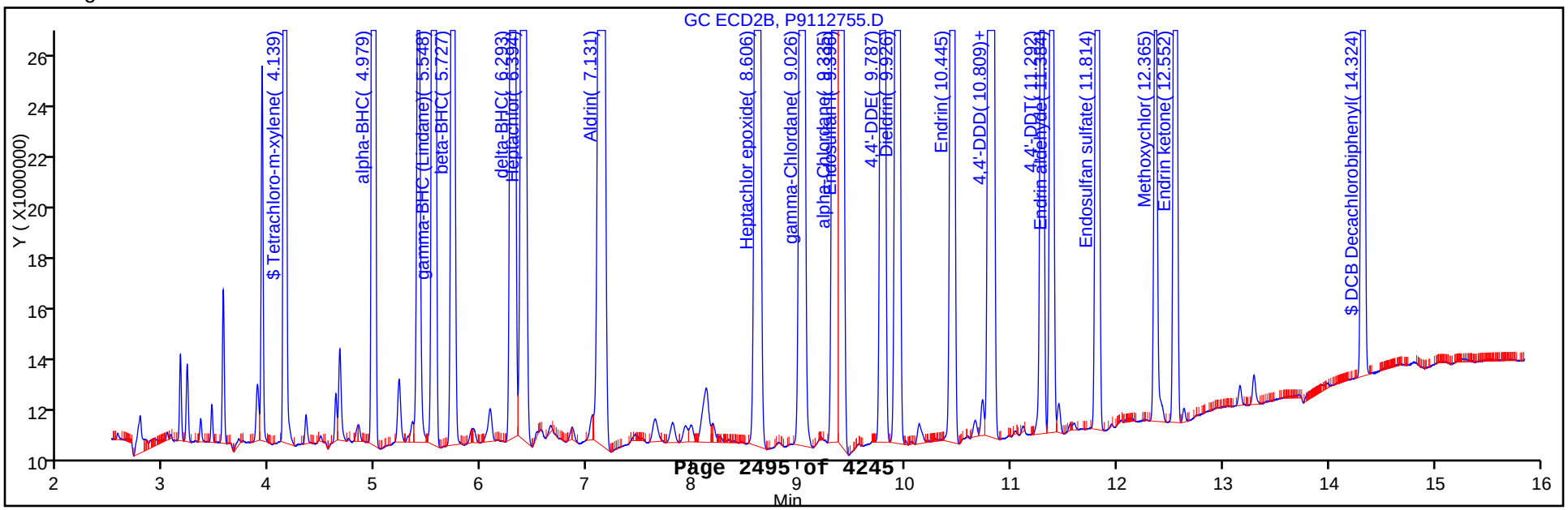
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112755.D

Injection Date:	29-Nov-2012 02:36:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	55
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/55 Calibration Date: 11/29/2012 02:36

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112755.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	9940089371	12047904440		0.0303	0.0250	21.2*	20.0
gamma-BHC (Lindane)	Ave	8293601368	9186239640		0.0277	0.0250	10.8	20.0
beta-BHC	Ave	3605562217	4151392240		0.0288	0.0250	15.1	20.0
delta-BHC	Ave	7912733268	9179446880		0.0290	0.0250	16.0	20.0
Heptachlor	Ave	7140697065	7090890280		0.0248	0.0250	-0.7	20.0
Aldrin	Ave	8215129958	9920089760		0.0302	0.0250	20.8*	20.0
Heptachlor epoxide	Ave	6831839093	7751654320		0.0284	0.0250	13.5	20.0
gamma-Chlordane	Ave	6968754018	7941928280		0.0285	0.0250	14.0	20.0
alpha-Chlordane	Ave	7037942515	7934243440		0.0282	0.0250	12.7	20.0
Endosulfan I	Ave	5759774207	6192294320		0.0269	0.0250	7.5	20.0
4,4'-DDE	Ave	7207034711	7918025000		0.0275	0.0250	9.9	20.0
Dieldrin	Ave	6317654321	7040028000		0.0279	0.0250	11.4	20.0
Endrin	Ave	5818678867	5979749320		0.0257	0.0250	2.8	20.0
4,4'-DDD	Ave	9809607119	10506191560		0.0268	0.0250	7.1	20.0
Endosulfan II	Ave	9809607119	10506191560		0.0268	0.0250	7.1	20.0
4,4'-DDT	Ave	3329664076	3514665720		0.0264	0.0250	5.6	20.0
Endrin aldehyde	Ave	3825777334	3937354360		0.0257	0.0250	2.9	20.0
Endosulfan sulfate	Ave	4314206102	4782458360		0.0277	0.0250	10.9	20.0
Methoxychlor	Ave	1662173652	1870265360		0.0281	0.0250	12.5	20.0
Endrin ketone	Ave	4384149523	4690214640		0.0267	0.0250	7.0	20.0
Tetrachloro-m-xylene	Ave	7107894572	7728242880		0.0272	0.0250	8.7	20.0
DCB Decachlorobiphenyl	Ave	4732054895	4946574720		0.0261	0.0250	4.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: CCV 240-66500/55 Calibration Date: 11/29/2012 02:36

Instrument ID: A2HP9 Calib Start Date: 11/28/2012 03:51

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 11/28/2012 05:55

Lab File ID: P9112755.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.98	4.95	5.01
gamma-BHC (Lindane)	5.55	5.52	5.58
beta-BHC	5.73	5.70	5.76
delta-BHC	6.29	6.26	6.32
Heptachlor	6.39	6.36	6.43
Aldrin	7.13	7.10	7.16
Heptachlor epoxide	8.61	8.58	8.64
gamma-Chlordane	9.03	9.00	9.06
alpha-Chlordane	9.34	9.31	9.37
Endosulfan I	9.40	9.37	9.43
4,4'-DDE	9.79	9.76	9.82
Dieldrin	9.93	9.90	9.96
Endrin	10.45	10.42	10.48
4,4'-DDD	10.81	10.78	10.84
Endosulfan II	10.81	10.78	10.84
4,4'-DDT	11.29	11.26	11.32
Endrin aldehyde	11.38	11.35	11.41
Endosulfan sulfate	11.81	11.78	11.84
Methoxychlor	12.37	12.34	12.40
Endrin ketone	12.55	12.52	12.58
Tetrachloro-m-xylene	4.14	4.11	4.17
DCB Decachlorobiphenyl	14.32	14.29	14.35

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112755.D
Lims ID: CCV AB3 Client ID:
Inject. Date: 29-Nov-2012 02:36:25 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0015316-055
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 55
Lims Batch ID: 66500 Lims Sample ID: 55
Sublist: chrom-PEST9*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:22:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.539	3.539	0.000	68353418	0.0283			
2	100	4.139	4.139	0.000	193206072	0.0272			
						RPD = 4.01			
5 alpha-BHC									
1	100	4.224	4.224	0.000	101964827	0.0322			
2	100	4.979	4.979	0.000	301197611	0.0303			
						RPD = 6.01			
20 gamma-BHC (Lindane)									
1	100	4.604	4.604	0.000	80489658	0.0299			
2	100	5.548	5.548	0.000	229655991	0.0277			
						RPD = 7.51			
7 beta-BHC									
1	100	4.738	4.738	0.000	35810222	0.0300			
2	100	5.727	5.727	0.000	103784806	0.0288			
						RPD = 4.27			
11 delta-BHC									
1	100	4.955	4.955	0.000	78838107	0.0304			
2	100	6.293	6.293	0.000	229486172	0.0290			
						RPD = 4.71			
22 Heptachlor									
1	100	5.243	5.243	0.000	64088490	0.0263			
2	100	6.394	6.394	0.000	177272257	0.0248			
						RPD = 5.76			
4 Aldrin									
1	100	5.704	5.704	0.000	93794624	0.0316			
2	100	7.131	7.131	0.000	248002244	0.0302			
						RPD = 4.61			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	72838164	0.0295			
2	100	8.606	8.606	0.000	193791358	0.0284			
						RPD = 4.07			
21 gamma-Chlordane									
1	100	7.275	7.275	0.000	78485960	0.0297			
2	100	9.026	9.026	0.000	198548207	0.0285			
						RPD = 4.17			
6 alpha-Chlordane									
1	100	7.624	7.624	0.000	81023996	0.0299			
2	100	9.335	9.335	0.000	198356086	0.0282			
						RPD = 5.78			
14 Endosulfan I									
1	100	7.899	7.899	0.000	65371170	0.0281			
2	100	9.396	9.396	0.000	154807358	0.0269			
						RPD = 4.33			
2 4,4'-DDE									
1	100	7.996	7.996	0.000	84109735	0.0291			
2	100	9.787	9.787	0.000	197950625	0.0275			
						RPD = 5.63			
13 Dieldrin									
1	100	8.454	8.454	0.000	71001899	0.0292			
2	100	9.926	9.926	0.000	176000700	0.0279			
						RPD = 4.79			
17 Endrin									
1	100	8.908	8.908	0.000	60056641	0.0269			
2	100	10.445	10.445	0.000	149493733	0.0257			
						RPD = 4.56			
1 4,4'-DDD									
1	100	9.262	9.262	0.000	50378613	0.0281			
2	100	10.809	10.809	0.000	262654789	0.0268			
						RPD = 4.88			
15 Endosulfan II									
1	100	9.353	9.353	0.000	59178006	0.0279			
2	100	10.809	10.809	0.000	262654789	0.0268			
						RPD = 4.13			
3 4,4'-DDT									
1	100	9.779	9.779	0.000	38771262	0.0273			
2	100	11.292	11.292	0.000	87866643	0.0264			
						RPD = 3.40			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	42206535	0.0268			
2	100	11.384	11.384	0.000	98433859	0.0257			
						RPD = 4.11			
27 Methoxychlor									
1	100	10.721	10.721	0.000	19597007	0.0288			
2	100	12.365	12.365	0.000	46756634	0.0281			
						RPD = 2.46			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.860	0.000	50950637	0.0295			
2	100	11.814	11.814	0.000	119561459	0.0277			
						RPD = 6.24			
19 Endrin ketone									
1	100	11.260	11.260	0.000	53551529	0.0283			
2	100	12.552	12.552	0.000	117255366	0.0267			
						RPD = 5.62			
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.860	0.000	58085977	0.0282			
2	100	14.324	14.324	0.000	123664368	0.0261			
						RPD = 7.51			

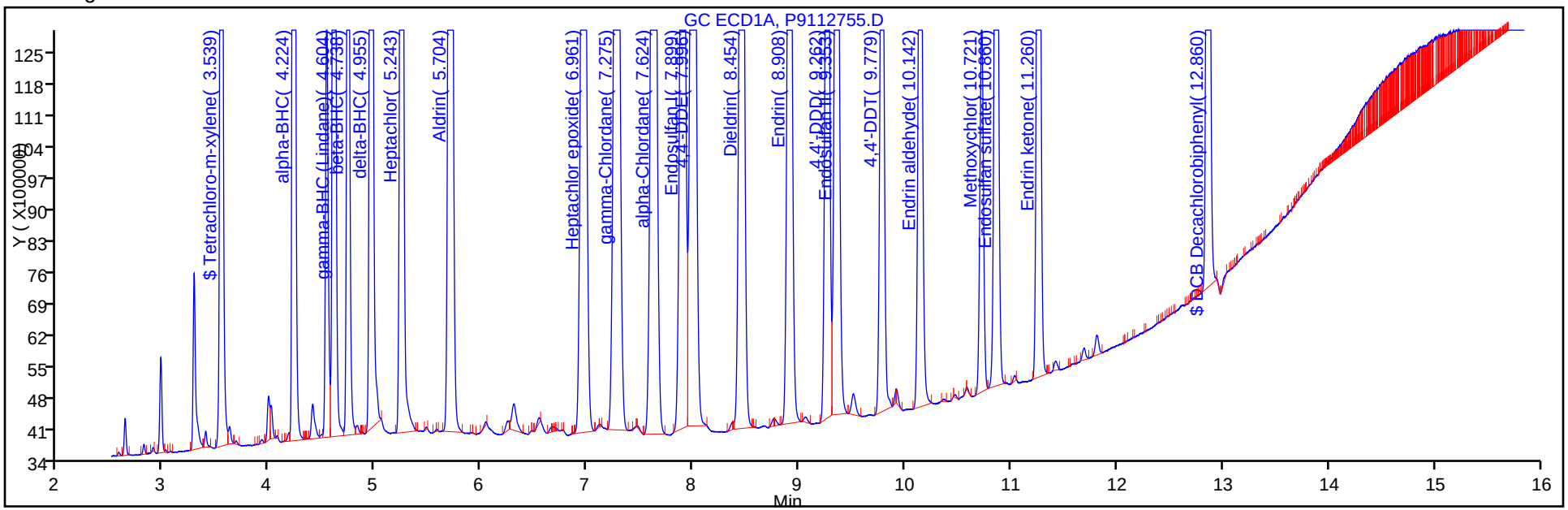
Report Date: 29-Nov-2012 11:22:02 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

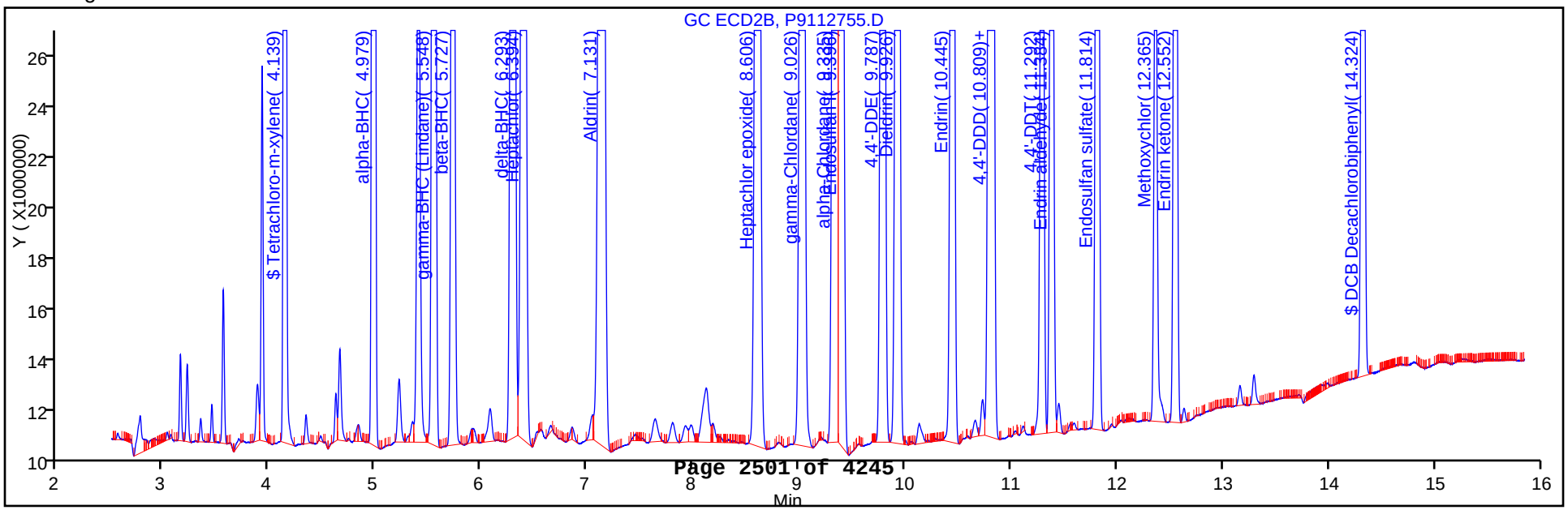
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112755.D

Injection Date:	29-Nov-2012 02:36:25	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	55
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65900/9-A

Matrix: Water | Lab File ID: P9112740.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 11/21/2012 09:52

Sample wt/vol: 1000(mL) | Date Analyzed: 11/28/2012 19:47

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		30-135
877-09-8	Tetrachloro-m-xylene	85		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112740.D
Lims ID: MB 240-65900/9-A
Client ID:
Inject. Date: 28-Nov-2012 19:47:34
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015316-040
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 40
Lims Batch ID: 66500
Lims Sample ID: 40
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:36
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc
Date: 29-Nov-2012 10:54:04

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	81661611	0.0338			
2	100	4.141	4.141	0.000	208481487	0.0293			
						RPD = 14.17			
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100		4.226						
2	100		4.979						
20 gamma-BHC (Lindane)									
1	100		4.606						
2	100		5.548						
7 beta-BHC									
1	100		4.739						
2	100		5.728						
11 delta-BHC									
1	100		4.957						
2	100		6.292						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100		5.244						
2	100		6.394						
4 Aldrin									
1	100		5.705						
2	100		7.131						
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100		6.961						
2	100		8.606						
21 gamma-Chlordane									
1	100		7.275						
2	100		9.026						
6 alpha-Chlordane									
1	100		7.624						
2	100		9.336						
14 Endosulfan I									
1	100		7.898						
2	100		9.396						
2 4,4'-DDE									
1	100		7.997						
2	100		9.788						
13 Dieldrin									
1	100		8.458						
2	100		9.927						
17 Endrin									
1	100		8.909						
2	100		10.446						
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100		9.264						
2	100		10.810						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.355						
2	100		10.810						
30 Toxaphene									
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100		9.781						
2	100		11.293						
18 Endrin aldehyde									
1	100		10.142						
2	100		11.385						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.723						
2	100		12.366						
16 Endosulfan sulfate									
1	100		10.861						
2	100		11.816						
19 Endrin ketone									
1	100		11.260						
2	100		12.552						
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.863	-0.003	76323375	0.0370			
2	100	14.323	14.325	-0.002	163641622	0.0346			
						RPD = 6.81			

QC Flag Legend

Processing Flags
1 - Missing Peaks

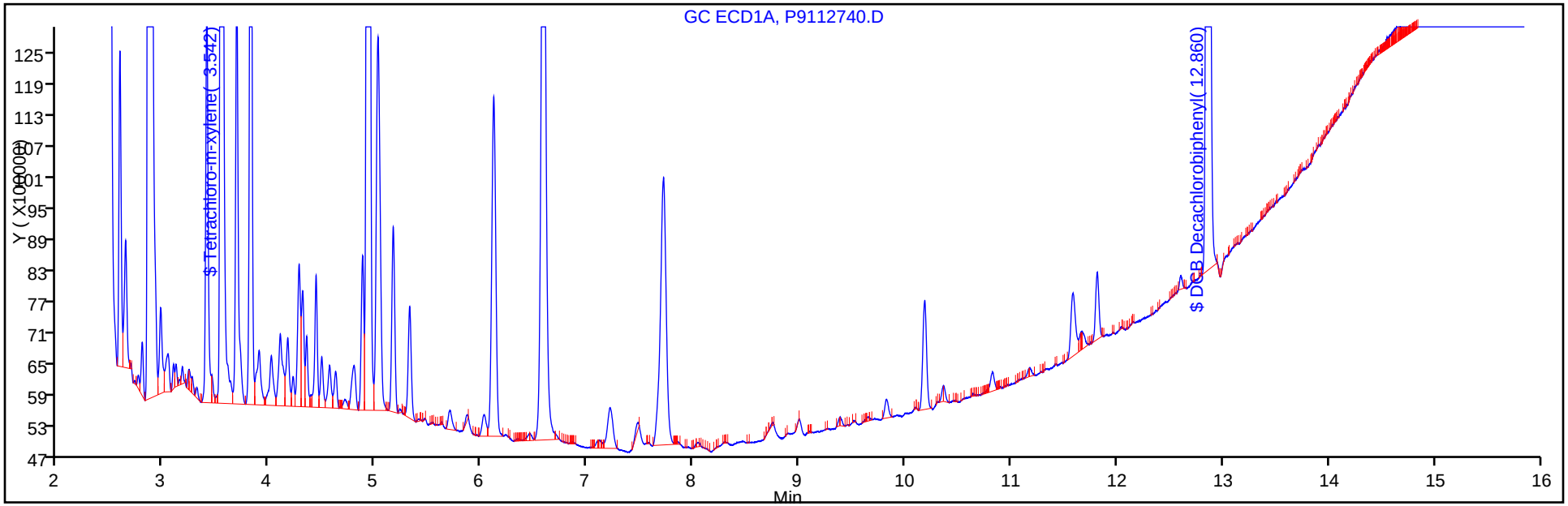
Report Date: 29-Nov-2012 11:21:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

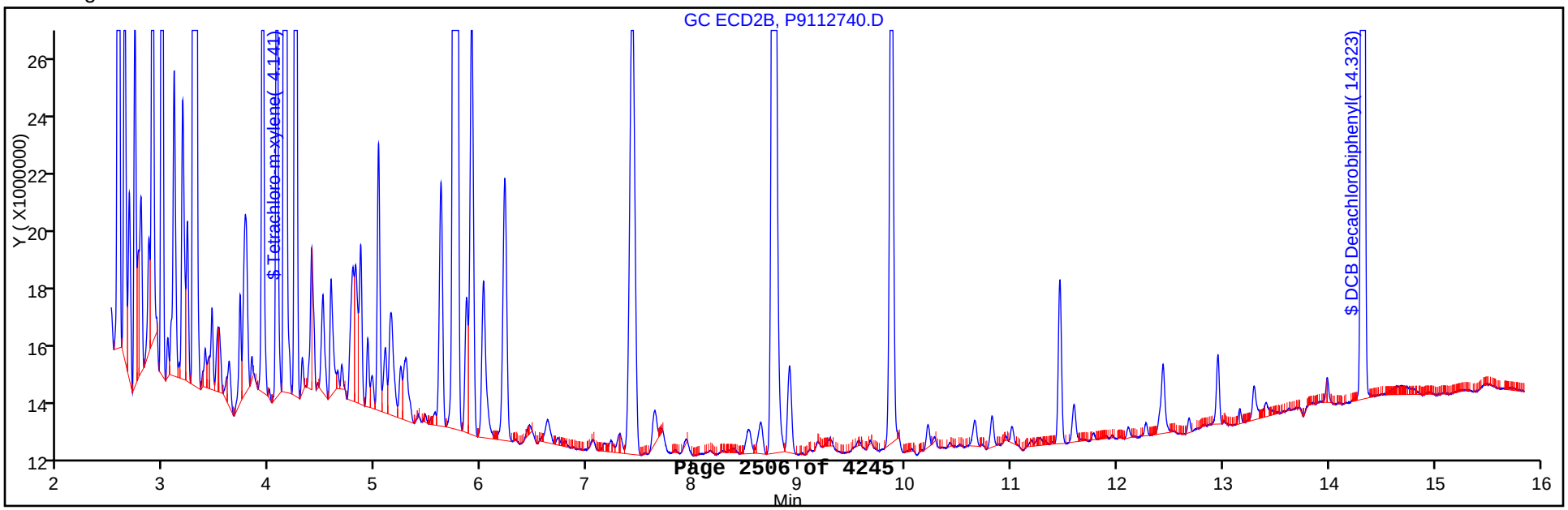
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112740.D

Injection Date:	28-Nov-2012 19:47:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	40
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-65900/9-A

Matrix: Water | Lab File ID: P9112740.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 11/21/2012 09:52

Sample wt/vol: 1000(mL) | Date Analyzed: 11/28/2012 19:47

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.010	U	0.050	0.010	0.0096
72-55-9	4,4'-DDE	0.010	U	0.050	0.010	0.0097
50-29-3	4,4'-DDT	0.030	U	0.050	0.030	0.016
309-00-2	Aldrin	0.010	U	0.050	0.010	0.0082
319-84-6	alpha-BHC	0.010	U	0.050	0.010	0.0070
5103-71-9	alpha-Chlordane	0.014	U	0.050	0.014	0.014
319-85-7	beta-BHC	0.010	U	0.050	0.010	0.0084
319-86-8	delta-BHC	0.010	U	0.050	0.010	0.0087
60-57-1	Dieldrin	0.010	U	0.050	0.010	0.0075
959-98-8	Endosulfan I	0.013	U	0.050	0.013	0.013
33213-65-9	Endosulfan II	0.012	U	0.050	0.012	0.012
1031-07-8	Endosulfan sulfate	0.011	U	0.050	0.011	0.011
72-20-8	Endrin	0.011	U	0.050	0.011	0.011
7421-93-4	Endrin aldehyde	0.011	U	0.050	0.011	0.011
53494-70-5	Endrin ketone	0.010	U	0.050	0.010	0.0078
58-89-9	gamma-BHC (Lindane)	0.010	U	0.050	0.010	0.0064
5103-74-2	gamma-Chlordane	0.012	U	0.050	0.012	0.012
76-44-8	Heptachlor	0.010	U	0.050	0.010	0.0080
1024-57-3	Heptachlor epoxide	0.010	U	0.050	0.010	0.0071
72-43-5	Methoxychlor	0.032	U	0.10	0.032	0.032
8001-35-2	Toxaphene	0.50	U	2.0	0.50	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		30-135
877-09-8	Tetrachloro-m-xylene	73		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112740.D
Lims ID: MB 240-65900/9-A
Client ID:
Inject. Date: 28-Nov-2012 19:47:34
Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 240-0015316-040
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 40
Lims Batch ID: 66500
Lims Sample ID: 40
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:36
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc
Date: 29-Nov-2012 10:54:04

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.542	3.542	0.000	81661611	0.0338			
2	100	4.141	4.141	0.000	208481487	0.0293			
						RPD = 14.17			
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100		4.226						
2	100		4.979						
20 gamma-BHC (Lindane)									
1	100		4.606						
2	100		5.548						
7 beta-BHC									
1	100		4.739						
2	100		5.728						
11 delta-BHC									
1	100		4.957						
2	100		6.292						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									1
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100		5.244						
2	100		6.394						
4 Aldrin									
1	100		5.705						
2	100		7.131						
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100		6.961						
2	100		8.606						
21 gamma-Chlordane									
1	100		7.275						
2	100		9.026						
6 alpha-Chlordane									
1	100		7.624						
2	100		9.336						
14 Endosulfan I									
1	100		7.898						
2	100		9.396						
2 4,4'-DDE									
1	100		7.997						
2	100		9.788						
13 Dieldrin									
1	100		8.458						
2	100		9.927						
17 Endrin									
1	100		8.909						
2	100		10.446						
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100		9.264						
2	100		10.810						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 Endosulfan II									
1	100		9.355						
2	100		10.810						
30 Toxaphene									
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100		9.781						
2	100		11.293						
18 Endrin aldehyde									
1	100		10.142						
2	100		11.385						
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100		10.723						
2	100		12.366						
16 Endosulfan sulfate									
1	100		10.861						
2	100		11.816						
19 Endrin ketone									
1	100		11.260						
2	100		12.552						
$ 10 DCB Decachlorobiphenyl									
1	100	12.860	12.863	-0.003	76323375	0.0370			
2	100	14.323	14.325	-0.002	163641622	0.0346			
						RPD = 6.81			

QC Flag Legend

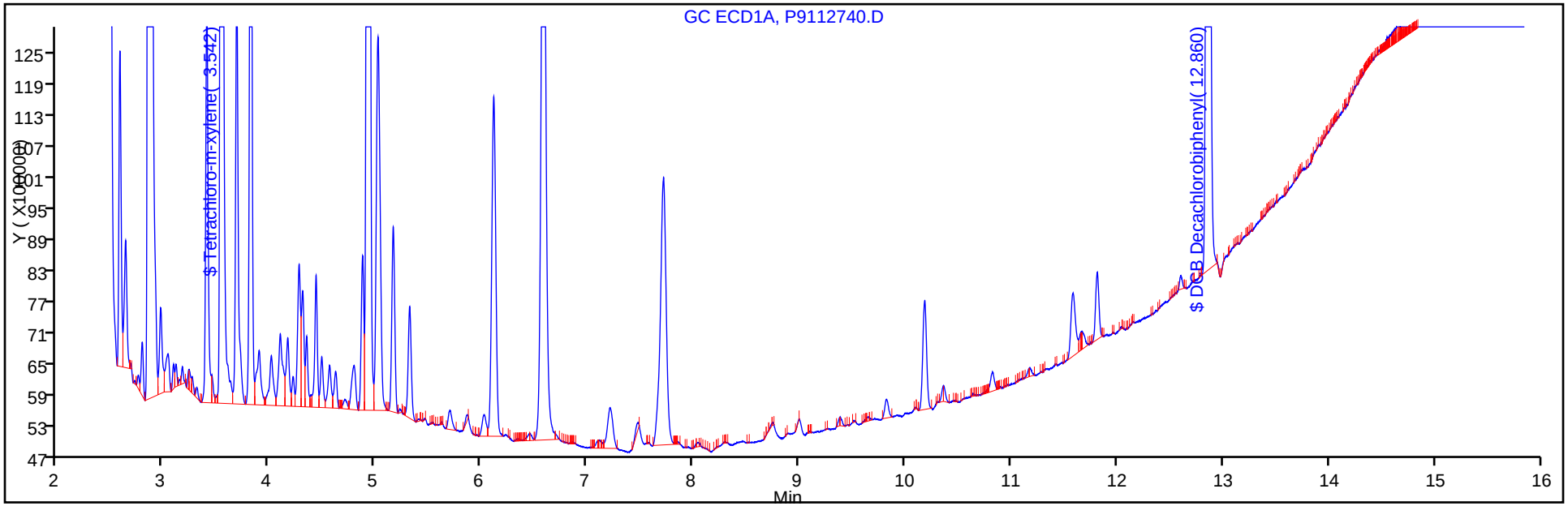
Processing Flags
1 - Missing Peaks

Report Date: 29-Nov-2012 11:21:46 Chrom Revision: 2.0 27-Nov-2012 13:14:12

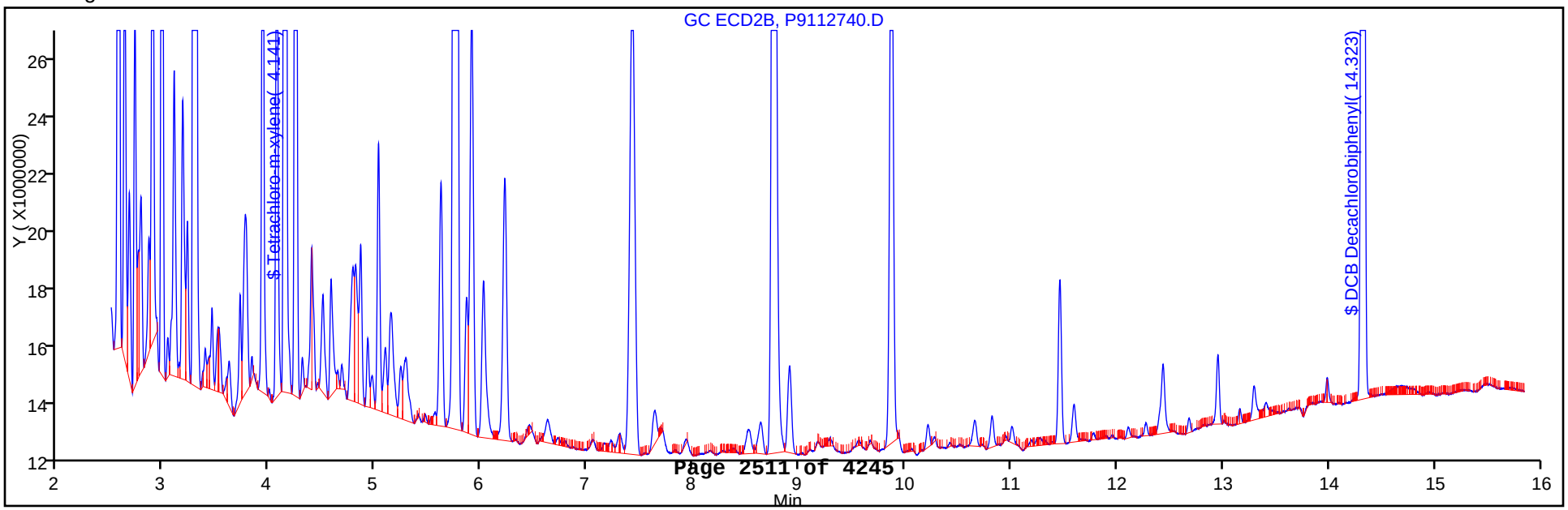
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112740.D		
Injection Date:	28-Nov-2012 19:47:34	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	40
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65900/10-A

Matrix: Water | Lab File ID: P9112754.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 11/21/2012 09:52

Sample wt/vol: 1000(mL) | Date Analyzed: 11/29/2012 02:08

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.476		0.050	0.010	0.0096
33213-65-9	Endosulfan II	0.382		0.050	0.012	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	43		30-135
877-09-8	Tetrachloro-m-xylene	84		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112754.D
Lims ID: LCS 240-65900/10-A Client ID:
Inject. Date: 29-Nov-2012 02:08:49 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015316-054
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 54
Lims Batch ID: 66500 Lims Sample ID: 54
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:59 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.540	0.000	81365921	0.0337			
2	100	4.140	4.141	-0.001	215640973	0.0303			
						RPD = 10.44			
5 alpha-BHC									
1	100	4.224	4.224	0.000	330116519	0.1042			
2	100	4.978	4.978	0.000	1079186305	0.1086			
						RPD = 4.12			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	269136956	0.0998			
2	100	5.547	5.547	0.000	812723119	0.0980			
						RPD = 1.85			
7 beta-BHC									
1	100	4.737	4.737	0.000	117266608	0.0984			
2	100	5.728	5.727	0.001	395402353	0.1097			
						RPD = 10.86			
11 delta-BHC									
1	100	4.956	4.956	0.000	269819066	0.1040			
2	100	6.293	6.292	0.001	842094966	0.1064			
						RPD = 2.26			
22 Heptachlor									
1	100	5.243	5.242	0.001	188620726	0.0774			
2	100	6.394	6.393	0.001	522843909	0.0732			
						RPD = 5.55			
4 Aldrin									
1	100	5.704	5.703	0.001	286944259	0.0967			
2	100	7.131	7.130	0.001	813667314	0.0990			
						RPD = 2.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.960	0.001	250660066	0.1017			
2	100	8.605	8.605	0.000	684010727	0.1001			
						RPD = 1.54			
21 gamma-Chlordane									
1	100	7.275	7.274	0.001	272203514	0.1030			
2	100	9.025	9.026	-0.001	697655873	0.1001			
						RPD = 2.86			
6 alpha-Chlordane									
1	100	7.625	7.624	0.001	268088905	0.0988			
2	100	9.334	9.334	0.000	678797981	0.0964			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.899	7.897	0.002	171494475	0.0736			
2	100	9.396	9.395	0.001	406086647	0.0705			
						RPD = 4.34			
2 4,4'-DDE									
1	100	7.996	7.995	0.001	271203039	0.0937			
2	100	9.787	9.786	0.001	675836723	0.0938			
						RPD = 0.09			
13 Dieldrin									
1	100	8.456	8.453	0.003	245339923	0.1010			
2	100	9.926	9.926	0.000	618510084	0.0979			
						RPD = 3.11			
17 Endrin									
1	100	8.908	8.908	0.000	191806776	0.0859			
2	100	10.445	10.444	0.001	492924918	0.0847			
						RPD = 1.37			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	170689613	0.0953			
2	100	10.807	10.810	-0.003	813222820	0.0829			
						RPD = 13.87			
15 Endosulfan II									
1	100	9.353	9.352	0.001	161982761	0.0764			
2	100	10.807	10.810	-0.003	813222820	0.0829			
						RPD = 8.19			
3 4,4'-DDT									
1	100	9.780	9.779	0.001	123907165	0.0872			
2	100	11.291	11.292	-0.001	283890019	0.0853			
						RPD = 2.30			
18 Endrin aldehyde									
1	100	10.141	10.142	-0.001	122932224	0.0781			
2	100	11.382	11.382	0.000	286677988	0.0749			
						RPD = 4.12			
27 Methoxychlor									
1	100	10.721	10.723	-0.002	58603103	0.0862			
2	100	12.364	12.365	-0.001	130244653	0.0784			
						RPD = 9.55			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.861	-0.001	164340096	0.0952			
2	100	11.814	11.814	0.000	416441267	0.0965			
						RPD = 1.44			
19 Endrin ketone									
1	100	11.261	11.260	0.001	156990547	0.0829			
2	100	12.551	12.552	-0.001	362674423	0.0827			
						RPD = 0.26			
$ 10 DCB Decachlorobiphenyl									
1	100	12.861	12.862	-0.001	35519516	0.0172			
2	100	14.322	14.323	-0.001	79214817	0.0167			
						RPD = 2.87			

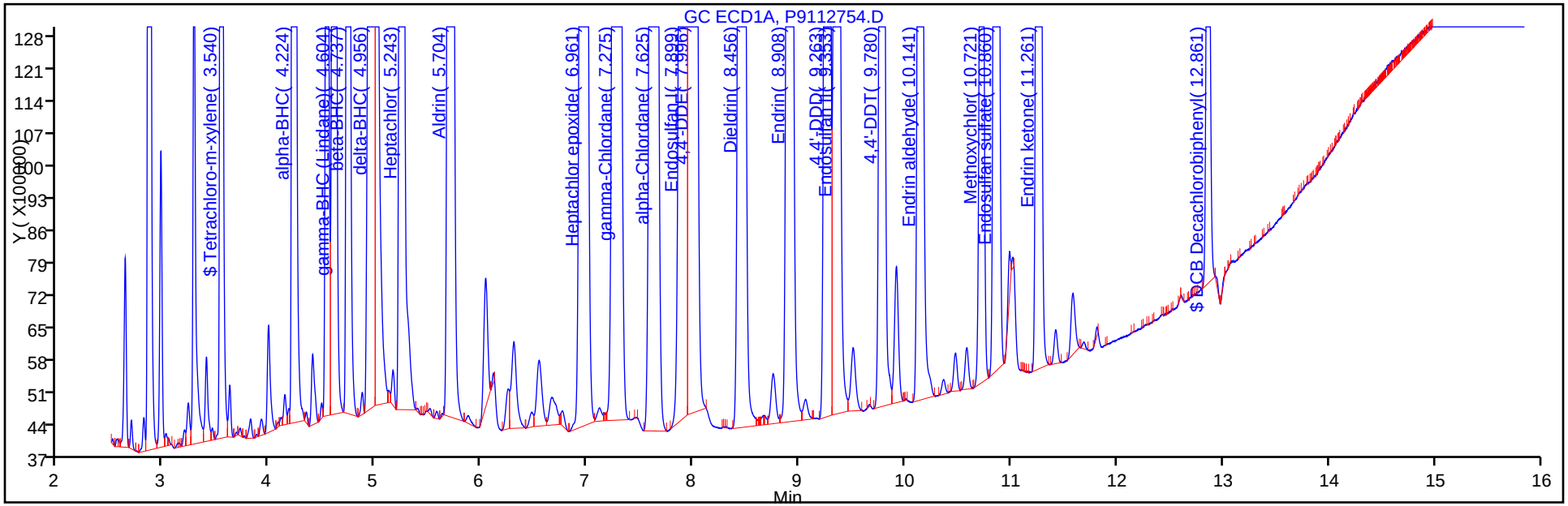
Report Date: 29-Nov-2012 11:22:00 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

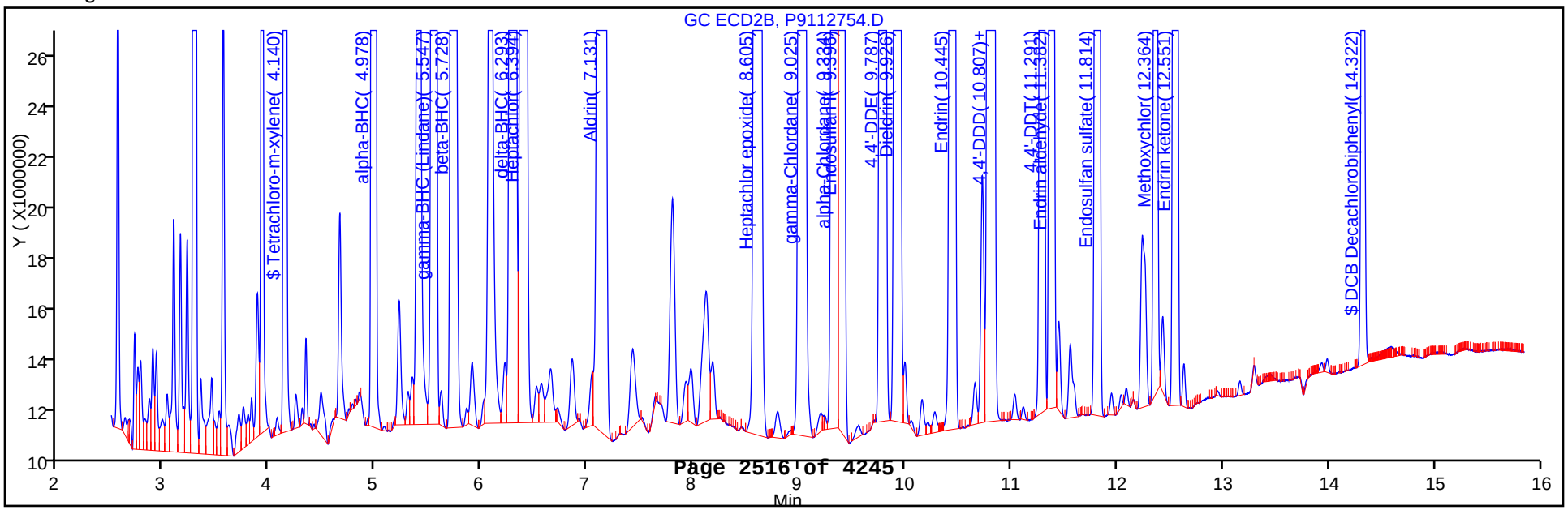
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112754.D

Injection Date:	29-Nov-2012 02:08:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	54
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-65900/10-A

Matrix: Water | Lab File ID: P9112754.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: 3520C | Date Extracted: 11/21/2012 09:52

Sample wt/vol: 1000(mL) | Date Analyzed: 11/29/2012 02:08

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	0.469		0.050	0.010	0.0097
50-29-3	4,4'-DDT	0.426		0.050	0.030	0.016
309-00-2	Aldrin	0.495		0.050	0.010	0.0082
319-84-6	alpha-BHC	0.543		0.050	0.010	0.0070
5103-71-9	alpha-Chlordane	0.482		0.050	0.014	0.014
319-85-7	beta-BHC	0.548		0.050	0.010	0.0084
319-86-8	delta-BHC	0.532		0.050	0.010	0.0087
60-57-1	Dieldrin	0.490		0.050	0.010	0.0075
959-98-8	Endosulfan I	0.353		0.050	0.013	0.013
1031-07-8	Endosulfan sulfate	0.483		0.050	0.011	0.011
72-20-8	Endrin	0.424		0.050	0.011	0.011
7421-93-4	Endrin aldehyde	0.375		0.050	0.011	0.011
53494-70-5	Endrin ketone	0.414		0.050	0.010	0.0078
58-89-9	gamma-BHC (Lindane)	0.490		0.050	0.010	0.0064
5103-74-2	gamma-Chlordane	0.501		0.050	0.012	0.012
76-44-8	Heptachlor	0.366		0.050	0.010	0.0080
1024-57-3	Heptachlor epoxide	0.501		0.050	0.010	0.0071
72-43-5	Methoxychlor	0.392		0.10	0.032	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	42		30-135
877-09-8	Tetrachloro-m-xylene	76		25-140

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112754.D
Lims ID: LCS 240-65900/10-A
Client ID:
Inject. Date: 29-Nov-2012 02:08:49
Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0015316-054
Misc. Info.:
Operator: 093905
Instrument ID: A2HP9
Injection Vol: 1.0 ul
ALS Bottle#: 54
Lims Batch ID: 66500
Lims Sample ID: 54
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:59
Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type:
Column Dia:
Process Host: XAWRK034

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100	3.540	3.540	0.000	81365921	0.0337			
2	100	4.140	4.141	-0.001	215640973	0.0303			
						RPD = 10.44			
5 alpha-BHC									
1	100	4.224	4.224	0.000	330116519	0.1042			
2	100	4.978	4.978	0.000	1079186305	0.1086			
						RPD = 4.12			
20 gamma-BHC (Lindane)									
1	100	4.604	4.605	-0.001	269136956	0.0998			
2	100	5.547	5.547	0.000	812723119	0.0980			
						RPD = 1.85			
7 beta-BHC									
1	100	4.737	4.737	0.000	117266608	0.0984			
2	100	5.728	5.727	0.001	395402353	0.1097			
						RPD = 10.86			
11 delta-BHC									
1	100	4.956	4.956	0.000	269819066	0.1040			
2	100	6.293	6.292	0.001	842094966	0.1064			
						RPD = 2.26			
22 Heptachlor									
1	100	5.243	5.242	0.001	188620726	0.0774			
2	100	6.394	6.393	0.001	522843909	0.0732			
						RPD = 5.55			
4 Aldrin									
1	100	5.704	5.703	0.001	286944259	0.0967			
2	100	7.131	7.130	0.001	813667314	0.0990			
						RPD = 2.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 Heptachlor epoxide									
1	100	6.961	6.960	0.001	250660066	0.1017			
2	100	8.605	8.605	0.000	684010727	0.1001			
						RPD = 1.54			
21 gamma-Chlordane									
1	100	7.275	7.274	0.001	272203514	0.1030			
2	100	9.025	9.026	-0.001	697655873	0.1001			
						RPD = 2.86			
6 alpha-Chlordane									
1	100	7.625	7.624	0.001	268088905	0.0988			
2	100	9.334	9.334	0.000	678797981	0.0964			
						RPD = 2.41			
14 Endosulfan I									
1	100	7.899	7.897	0.002	171494475	0.0736			
2	100	9.396	9.395	0.001	406086647	0.0705			
						RPD = 4.34			
2 4,4'-DDE									
1	100	7.996	7.995	0.001	271203039	0.0937			
2	100	9.787	9.786	0.001	675836723	0.0938			
						RPD = 0.09			
13 Dieldrin									
1	100	8.456	8.453	0.003	245339923	0.1010			
2	100	9.926	9.926	0.000	618510084	0.0979			
						RPD = 3.11			
17 Endrin									
1	100	8.908	8.908	0.000	191806776	0.0859			
2	100	10.445	10.444	0.001	492924918	0.0847			
						RPD = 1.37			
1 4,4'-DDD									
1	100	9.263	9.263	0.000	170689613	0.0953			
2	100	10.807	10.810	-0.003	813222820	0.0829			
						RPD = 13.87			
15 Endosulfan II									
1	100	9.353	9.352	0.001	161982761	0.0764			
2	100	10.807	10.810	-0.003	813222820	0.0829			
						RPD = 8.19			
3 4,4'-DDT									
1	100	9.780	9.779	0.001	123907165	0.0872			
2	100	11.291	11.292	-0.001	283890019	0.0853			
						RPD = 2.30			
18 Endrin aldehyde									
1	100	10.141	10.142	-0.001	122932224	0.0781			
2	100	11.382	11.382	0.000	286677988	0.0749			
						RPD = 4.12			
27 Methoxychlor									
1	100	10.721	10.723	-0.002	58603103	0.0862			
2	100	12.364	12.365	-0.001	130244653	0.0784			
						RPD = 9.55			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
16 Endosulfan sulfate									
1	100	10.860	10.861	-0.001	164340096	0.0952			
2	100	11.814	11.814	0.000	416441267	0.0965			
						RPD = 1.44			
19 Endrin ketone									
1	100	11.261	11.260	0.001	156990547	0.0829			
2	100	12.551	12.552	-0.001	362674423	0.0827			
						RPD = 0.26			
$ 10 DCB Decachlorobiphenyl									
1	100	12.861	12.862	-0.001	35519516	0.0172			
2	100	14.322	14.323	-0.001	79214817	0.0167			
						RPD = 2.87			

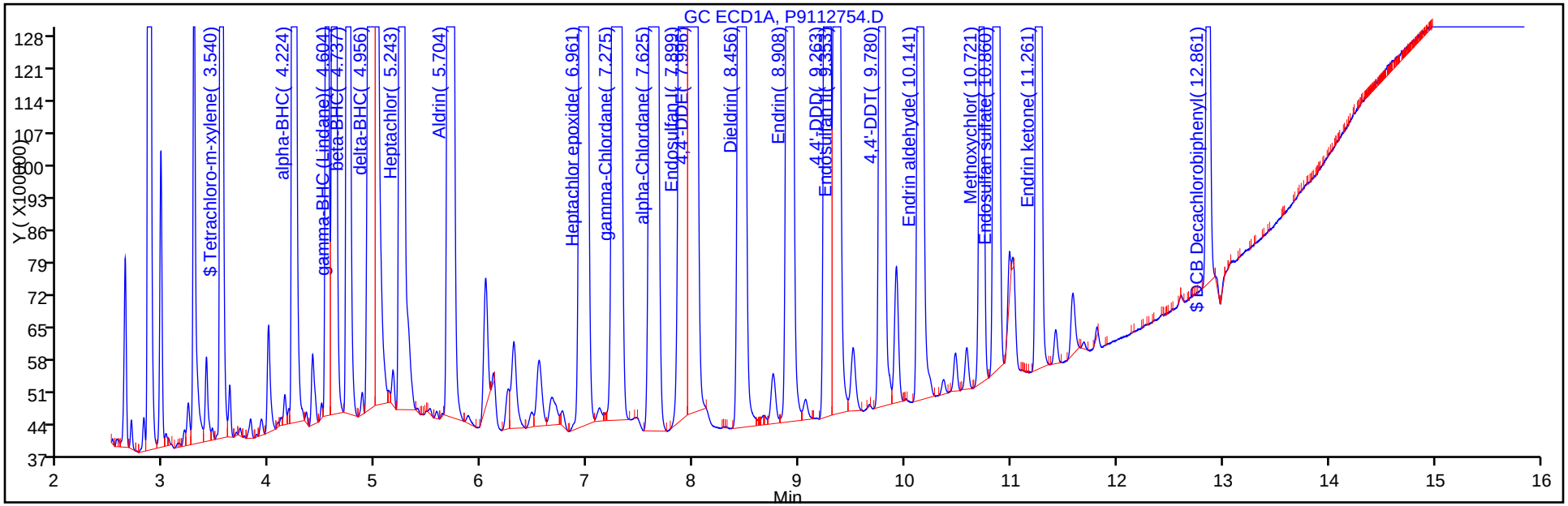
Report Date: 29-Nov-2012 11:22:01 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

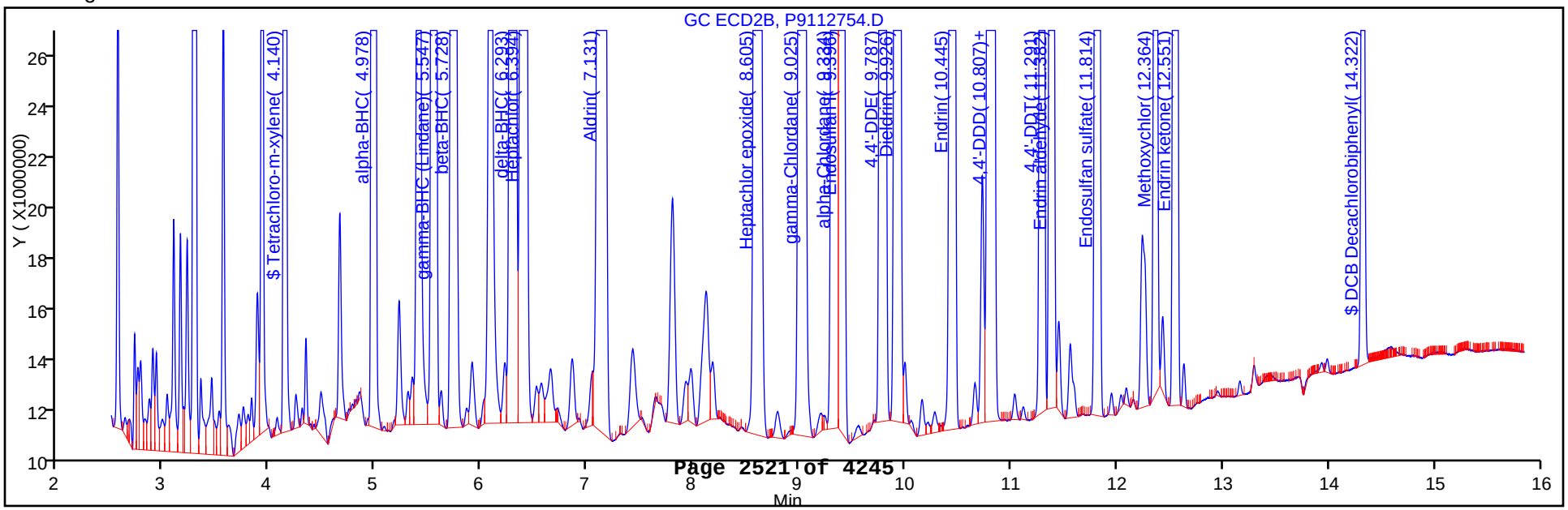
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112754.D

Injection Date:	29-Nov-2012 02:08:49	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	54
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66500/18

Matrix: Water | Lab File ID: P9112718.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/28/2012 09:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00526*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00524*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00507*		*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00539*		*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00519*		*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00551*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00573*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00523*		*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00537*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00567*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00564*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00563*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00563*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00557*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00559*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00534*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00546*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00566*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00561*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00551*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112718.D
Lims ID: MRL Client ID:
Inject. Date: 28-Nov-2012 09:37:13 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015316-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 66500 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:07:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.542						
2	100		4.140						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.225	0.000	16439220	0.005188			
2	100	4.979	4.978	0.001	48623783	0.004892			
						RPD = 5.88			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	14401689	0.005341			
2	100	5.548	5.547	0.001	44274291	0.005338			
						RPD = 0.06			
7 beta-BHC									
1	100	4.738	4.739	-0.001	6834216	0.005733			
2	100	5.728	5.726	0.002	21615924	0.005995			
						RPD = 4.47			
11 delta-BHC									
1	100	4.957	4.957	0.000	13552920	0.005226			
2	100	6.293	6.292	0.001	40563274	0.005126			
						RPD = 1.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100	5.243	5.243	0.000	13791484	0.005659			
2	100	6.394	6.394	0.000	41794261	0.005853			
						RPD = 3.36			
4 Aldrin									
1	100	5.705	5.705	0.000	15998660	0.005392			
2	100	7.131	7.130	0.001	44689880	0.005440			
						RPD = 0.88			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	13838167	0.005613			
2	100	8.605	8.603	0.002	39439476	0.005773			
						RPD = 2.81			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	14425315	0.005459			
2	100	9.028	9.024	0.004	38675289	0.005550			
						RPD = 1.64			
6 alpha-Chlordane									
1	100	7.624	7.623	0.001	14937534	0.005505			
2	100	9.334	9.334	0.000	40264404	0.005721			
						RPD = 3.85			
14 Endosulfan I									
1	100	7.898	7.896	0.002	13194044	0.005665			
2	100	9.396	9.396	0.000	34209034	0.005939			
						RPD = 4.73			
2 4,4'-DDE									
1	100	7.996	7.995	0.001	15159848	0.005237			
2	100	9.788	9.785	0.003	38889387	0.005396			
						RPD = 2.98			
13 Dieldrin									
1	100	8.458	8.455	0.003	13048736	0.005371			
2	100	9.928	9.926	0.002	35782111	0.005664			
						RPD = 5.30			
17 Endrin									
1	100	8.908	8.908	0.000	12579394	0.005633			
2	100	10.444	10.445	-0.001	32992313	0.005670			
						RPD = 0.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.263	0.001	9431638	0.005263			
2	100	10.811	10.810	0.001	54217919	0.005527			
						RPD = 4.88			
15 Endosulfan II									
1	100	9.354	9.353	0.001	11954465	0.005637			
2	100	10.811	10.810	0.001	54217919	0.005527			
						RPD = 1.97			
30 Toxaphene									1
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100	9.782	9.781	0.001	7195511	0.005067			
2	100	11.293	11.292	0.001	17486104	0.005252			
						RPD = 3.58			
18 Endrin aldehyde									
1	100	10.144	10.142	0.002	8764149	0.005567			
2	100	11.384	11.383	0.001	22578005	0.005902			
						RPD = 5.84			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.723	-0.001	3746114	0.005511			
2	100	12.366	12.365	0.001	9261898	0.005572			
						RPD = 1.10			
16 Endosulfan sulfate									
1	100	10.861	10.860	0.001	9719087	0.005627			
2	100	11.816	11.815	0.001	24055911	0.005576			
						RPD = 0.92			
19 Endrin ketone									
1	100	11.260	11.260	0.000	10584119	0.005592			
2	100	12.553	12.552	0.001	24362460	0.005557			
						RPD = 0.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.862						
2	100		14.325						

QC Flag Legend

Processing Flags
1 - Missing Peaks

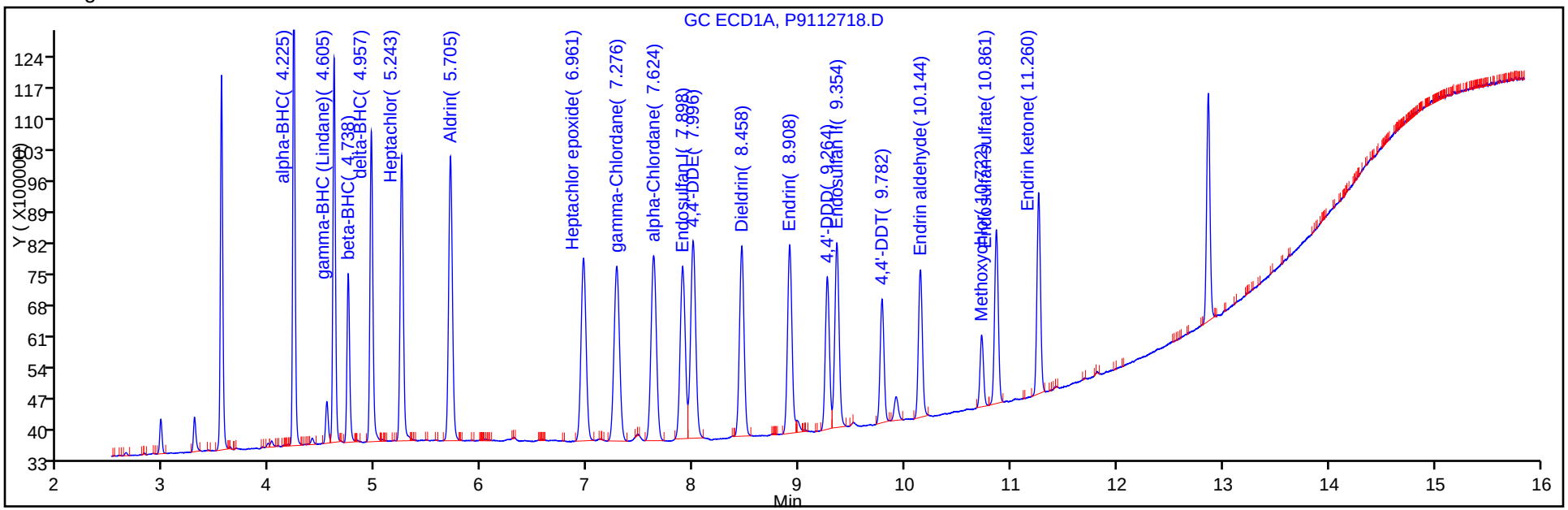
Report Date: 29-Nov-2012 11:21:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

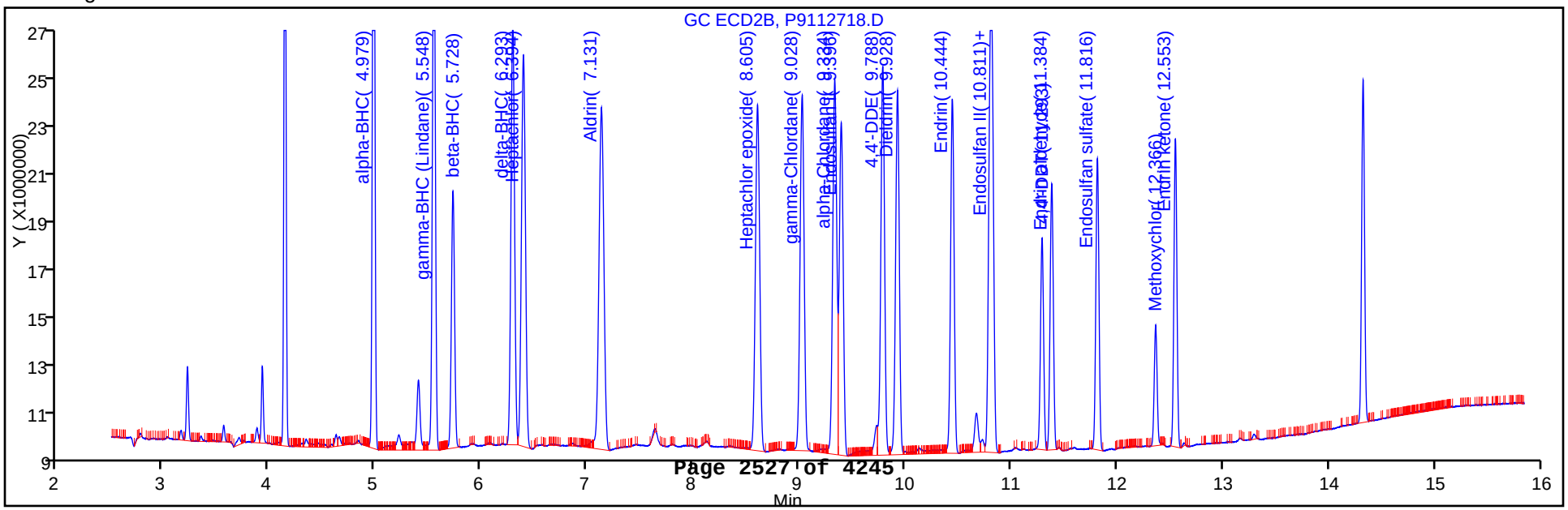
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112718.D

Injection Date:	28-Nov-2012 09:37:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66500/18

Matrix: Water | Lab File ID: P9112718.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/28/2012 09:37

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00553		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00540		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00525		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00544		0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00489	J	0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00572		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00600		0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00513		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00566		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00594		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00553		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00558		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00567		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00590		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00556		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00534		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00555		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00585		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00577		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00557	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112718.D
Lims ID: MRL Client ID:
Inject. Date: 28-Nov-2012 09:37:13 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015316-018
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 66500 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:21:24 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:07:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.542						
2	100		4.140						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.225	0.000	16439220	0.005188			
2	100	4.979	4.978	0.001	48623783	0.004892			
						RPD = 5.88			
20 gamma-BHC (Lindane)									
1	100	4.605	4.605	0.000	14401689	0.005341			
2	100	5.548	5.547	0.001	44274291	0.005338			
						RPD = 0.06			
7 beta-BHC									
1	100	4.738	4.739	-0.001	6834216	0.005733			
2	100	5.728	5.726	0.002	21615924	0.005995			
						RPD = 4.47			
11 delta-BHC									
1	100	4.957	4.957	0.000	13552920	0.005226			
2	100	6.293	6.292	0.001	40563274	0.005126			
						RPD = 1.93			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100	5.243	5.243	0.000	13791484	0.005659			
2	100	6.394	6.394	0.000	41794261	0.005853			
						RPD = 3.36			
4 Aldrin									
1	100	5.705	5.705	0.000	15998660	0.005392			
2	100	7.131	7.130	0.001	44689880	0.005440			
						RPD = 0.88			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.961	6.961	0.000	13838167	0.005613			
2	100	8.605	8.603	0.002	39439476	0.005773			
						RPD = 2.81			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	14425315	0.005459			
2	100	9.028	9.024	0.004	38675289	0.005550			
						RPD = 1.64			
6 alpha-Chlordane									
1	100	7.624	7.623	0.001	14937534	0.005505			
2	100	9.334	9.334	0.000	40264404	0.005721			
						RPD = 3.85			
14 Endosulfan I									
1	100	7.898	7.896	0.002	13194044	0.005665			
2	100	9.396	9.396	0.000	34209034	0.005939			
						RPD = 4.73			
2 4,4'-DDE									
1	100	7.996	7.995	0.001	15159848	0.005237			
2	100	9.788	9.785	0.003	38889387	0.005396			
						RPD = 2.98			
13 Dieldrin									
1	100	8.458	8.455	0.003	13048736	0.005371			
2	100	9.928	9.926	0.002	35782111	0.005664			
						RPD = 5.30			
17 Endrin									
1	100	8.908	8.908	0.000	12579394	0.005633			
2	100	10.444	10.445	-0.001	32992313	0.005670			
						RPD = 0.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.263	0.001	9431638	0.005263			
2	100	10.811	10.810	0.001	54217919	0.005527			
						RPD = 4.88			
15 Endosulfan II									
1	100	9.354	9.353	0.001	11954465	0.005637			
2	100	10.811	10.810	0.001	54217919	0.005527			
						RPD = 1.97			
30 Toxaphene									1
1	100		9.486						
1	2		10.024						
1	3		10.091						
1	4		10.671						
1	5		11.236						
2	100		10.382						
2	2		11.398						
2	3		11.746						
2	4		12.148						
2	5		12.534						
3 4,4'-DDT									
1	100	9.782	9.781	0.001	7195511	0.005067			
2	100	11.293	11.292	0.001	17486104	0.005252			
						RPD = 3.58			
18 Endrin aldehyde									
1	100	10.144	10.142	0.002	8764149	0.005567			
2	100	11.384	11.383	0.001	22578005	0.005902			
						RPD = 5.84			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.723	-0.001	3746114	0.005511			
2	100	12.366	12.365	0.001	9261898	0.005572			
						RPD = 1.10			
16 Endosulfan sulfate									
1	100	10.861	10.860	0.001	9719087	0.005627			
2	100	11.816	11.815	0.001	24055911	0.005576			
						RPD = 0.92			
19 Endrin ketone									
1	100	11.260	11.260	0.000	10584119	0.005592			
2	100	12.553	12.552	0.001	24362460	0.005557			
						RPD = 0.62			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.862						
2	100		14.325						

QC Flag Legend

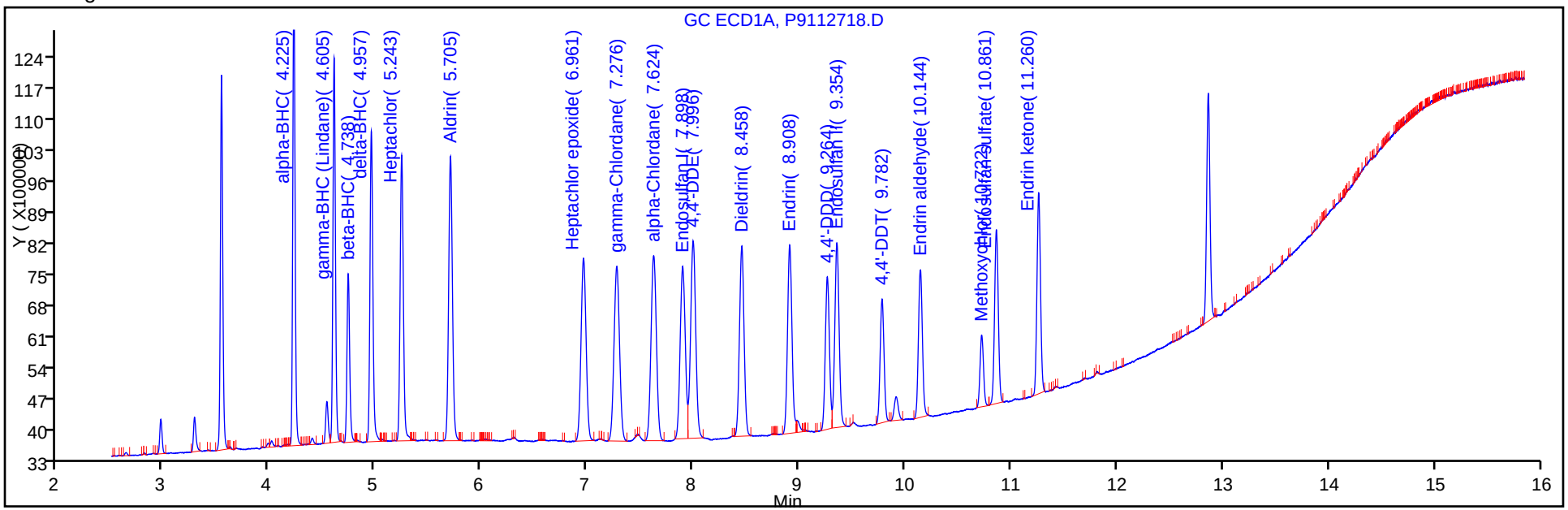
Processing Flags
1 - Missing Peaks

Report Date: 29-Nov-2012 11:21:24 Chrom Revision: 2.0 27-Nov-2012 13:14:12

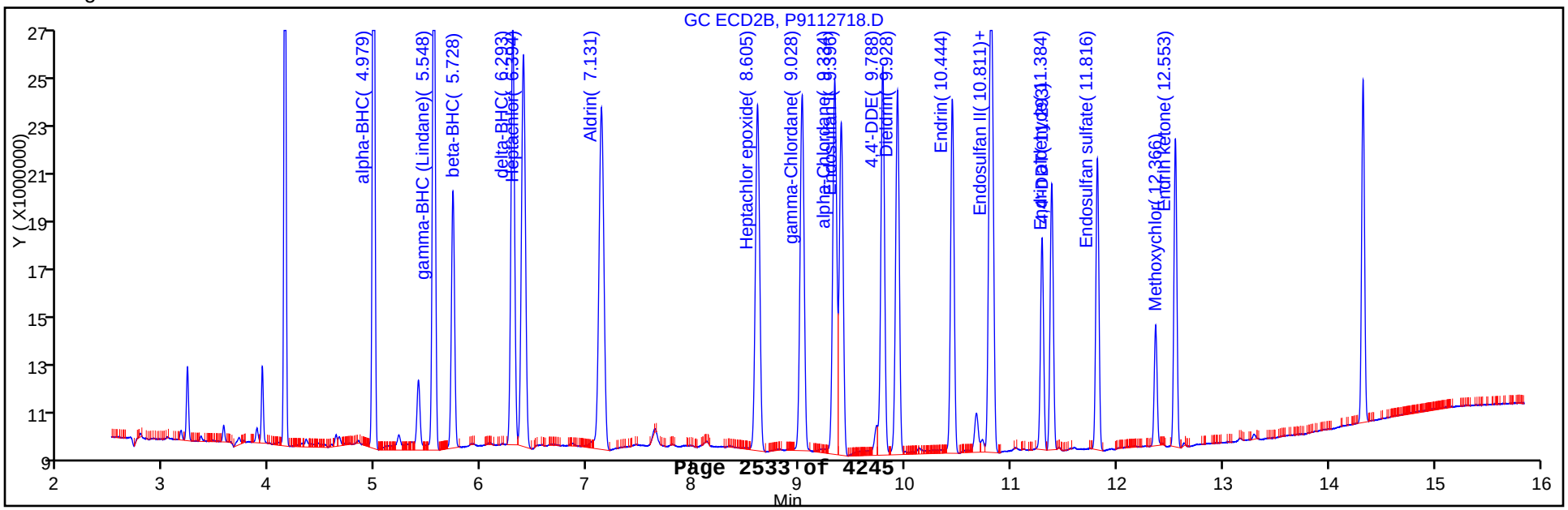
TestAmerica Canton

Data File:	\\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112718.D		
Injection Date:	28-Nov-2012 09:37:13	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	18
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66500/56

Matrix: Water | Lab File ID: P9112756.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 03:03

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	*4,4'-DDD*	*0.00578*		*0.0050*	0.0010	*0.00096*
72-55-9	*4,4'-DDE*	*0.00608*		*0.0050*	0.0010	*0.00097*
50-29-3	*4,4'-DDT*	*0.00510*		*0.0050*	0.0030	*0.0016*
309-00-2	*Aldrin*	*0.00666*	^	*0.0050*	0.0010	*0.00082*
319-84-6	*alpha-BHC*	*0.00640*		*0.0050*	0.0010	*0.00070*
5103-71-9	*alpha-Chlordane*	*0.00636*		*0.0050*	0.0010	*0.0014*
319-85-7	*beta-BHC*	*0.00652*		*0.0050*	0.0010	*0.00084*
319-86-8	*delta-BHC*	*0.00596*		*0.0050*	0.0010	*0.00087*
60-57-1	*Dieldrin*	*0.00605*		*0.0050*	0.0010	*0.00075*
959-98-8	*Endosulfan I*	*0.00611*		*0.0050*	0.0010	*0.0013*
33213-65-9	*Endosulfan II*	*0.00597*		*0.0050*	0.0010	*0.0012*
1031-07-8	*Endosulfan sulfate*	*0.00629*		*0.0050*	0.0010	*0.0011*
72-20-8	*Endrin*	*0.00582*		*0.0050*	0.0010	*0.0011*
7421-93-4	*Endrin aldehyde*	*0.00582*		*0.0050*	0.0010	*0.0011*
53494-70-5	*Endrin ketone*	*0.00611*		*0.0050*	0.0010	*0.00078*
58-89-9	*gamma-BHC (Lindane)*	*0.00607*		*0.0050*	0.0010	*0.00064*
5103-74-2	*gamma-Chlordane*	*0.00626*		*0.0050*	0.0010	*0.0012*
76-44-8	*Heptachlor*	*0.00570*		*0.0050*	0.0010	*0.00080*
1024-57-3	*Heptachlor epoxide*	*0.00633*		*0.0050*	0.0010	*0.00071*
72-43-5	*Methoxychlor*	*0.00591*	*J*	*0.010*	0.0030	*0.0032*

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112756.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 03:03:52 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015316-056
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 56
Lims Batch ID: 66500 Lims Sample ID: 56
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:22:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:18:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.539						
2	100		4.139						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.224	0.001	20276666	0.006399			
2	100	4.978	4.979	-0.001	58775837	0.005913			
						RPD = 7.90			
20 gamma-BHC (Lindane)									
1	100	4.604	4.604	0.000	16370204	0.006071			
2	100	5.547	5.548	-0.001	48019707	0.005790			
						RPD = 4.75			
7 beta-BHC									
1	100	4.738	4.738	0.000	7769508	0.006517			
2	100	5.727	5.727	0.000	24048282	0.006670			
						RPD = 2.31			
11 delta-BHC									
1	100	4.957	4.955	0.002	15458925	0.005961			
2	100	6.293	6.293	0.000	44821150	0.005664			
						RPD = 5.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100	5.243	5.243	0.000	13900977	0.005704			
2	100	6.393	6.394	-0.001	41094994	0.005755			
						RPD = 0.89			
4 Aldrin									
1	100	5.704	5.704	0.000	19773704	0.006664			
2	100	7.132	7.131	0.001	53950491	0.006567			
						RPD = 1.47			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.962	6.961	0.001	15610588	0.006332			
2	100	8.605	8.606	-0.001	43401357	0.006353			
						RPD = 0.33			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	16552656	0.006264			
2	100	9.026	9.026	0.000	43443260	0.006234			
						RPD = 0.49			
6 alpha-Chlordane									
1	100	7.625	7.624	0.001	17270022	0.006365			
2	100	9.333	9.335	-0.002	44406881	0.006310			
						RPD = 0.87			
14 Endosulfan I									
1	100	7.898	7.899	-0.001	14233116	0.006111			
2	100	9.396	9.396	0.000	35219598	0.006115			
						RPD = 0.06			
2 4,4'-DDE									
1	100	7.997	7.996	0.001	17591960	0.006078			
2	100	9.786	9.787	-0.001	42705431	0.005926			
						RPD = 2.53			
13 Dieldrin									
1	100	8.454	8.454	0.000	14692225	0.006048			
2	100	9.925	9.926	-0.001	38284902	0.006060			
						RPD = 0.20			
17 Endrin									
1	100	8.908	8.908	0.000	13001218	0.005822			
2	100	10.443	10.445	-0.002	32808991	0.005639			
						RPD = 3.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.262	0.002	10358292	0.005781			
2	100	10.808	10.809	-0.001	56391267	0.005749			
						RPD = 0.56			
15 Endosulfan II									
1	100	9.353	9.353	0.000	12662771	0.005971			
2	100	10.808	10.809	-0.001	56391267	0.005749			
						RPD = 3.79			
30 Toxaphene									1
1	100		9.483						
1	2		10.023						
1	3		10.091						
1	4		10.671						
1	5		11.233						
2	100		10.382						
2	2		11.399						
2	3		11.746						
2	4		12.148						
2	5		12.535						
3 4,4'-DDT									
1	100	9.781	9.779	0.002	7249599	0.005105			
2	100	11.292	11.292	0.000	17114448	0.005140			
						RPD = 0.69			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	9162956	0.005820			
2	100	11.382	11.384	-0.002	22405854	0.005857			
						RPD = 0.63			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.721	0.001	4013905	0.005905			
2	100	12.364	12.365	-0.001	9637592	0.005798			
						RPD = 1.83			
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	10869223	0.006293			
2	100	11.813	11.814	-0.001	25846993	0.005991			
						RPD = 4.92			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	11566580	0.006111			
2	100	12.551	12.552	-0.001	25418945	0.005798			
						RPD = 5.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.860						
2	100		14.324						

QC Flag Legend

Processing Flags
1 - Missing Peaks

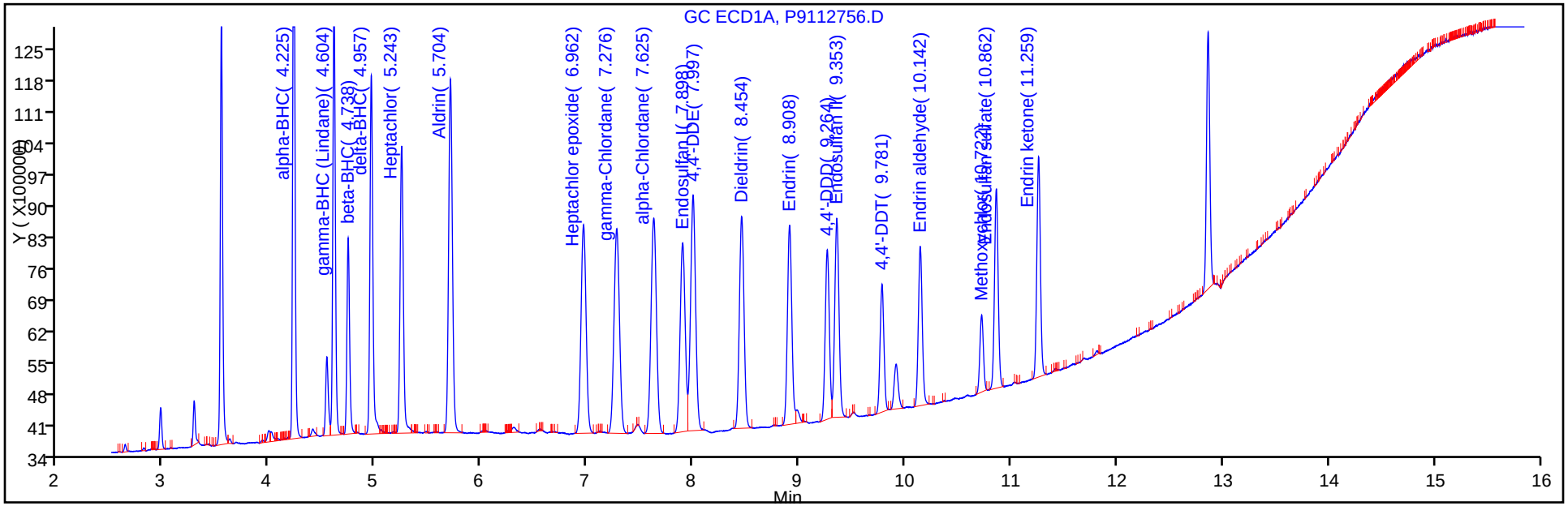
Report Date: 29-Nov-2012 11:22:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

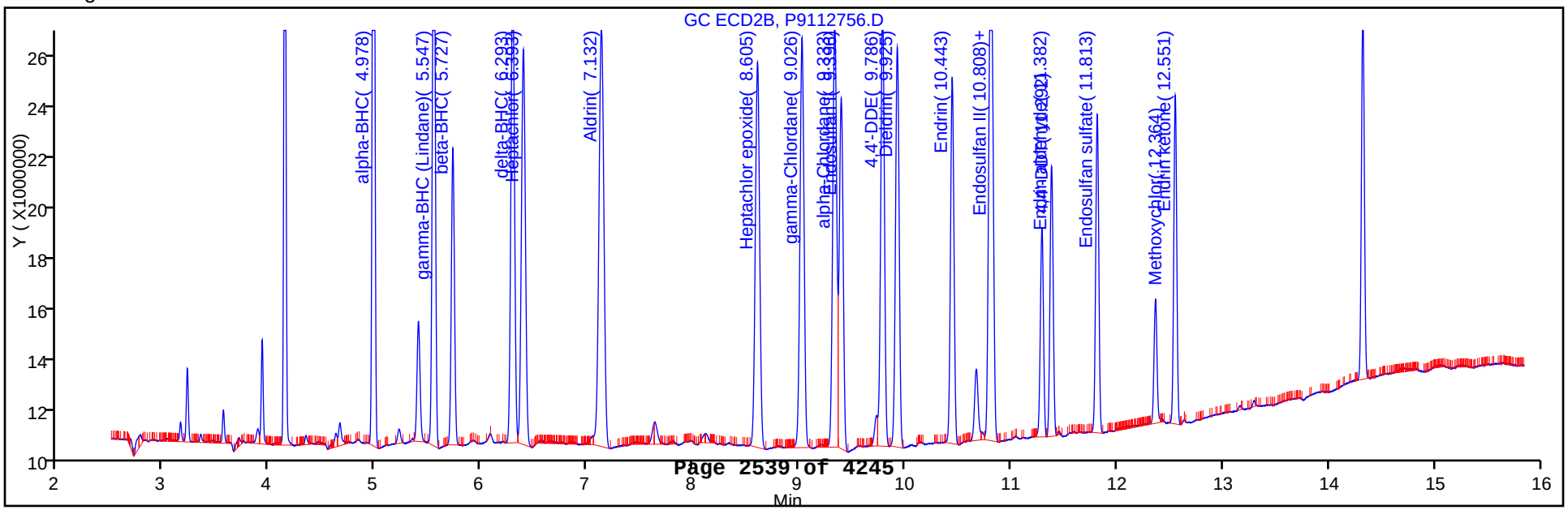
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112756.D

Injection Date:	29-Nov-2012 03:03:52	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	56
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-17796-1

SDG No.:

Client Sample ID: | Lab Sample ID: MRL 240-66500/56

Matrix: Water | Lab File ID: P9112756.D

Analysis Method: 8081/DOD | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 11/29/2012 03:03

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 66500 | Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.00575		0.0050	0.0010	0.00096
72-55-9	4,4'-DDE	0.00593		0.0050	0.0010	0.00097
50-29-3	4,4'-DDT	0.00514		0.0050	0.0030	0.0016
309-00-2	Aldrin	0.00657	^	0.0050	0.0010	0.00082
319-84-6	alpha-BHC	0.00591		0.0050	0.0010	0.00070
5103-71-9	alpha-Chlordane	0.00631		0.0050	0.0010	0.0014
319-85-7	beta-BHC	0.00667	^	0.0050	0.0010	0.00084
319-86-8	delta-BHC	0.00566		0.0050	0.0010	0.00087
60-57-1	Dieldrin	0.00606		0.0050	0.0010	0.00075
959-98-8	Endosulfan I	0.00611		0.0050	0.0010	0.0013
33213-65-9	Endosulfan II	0.00575		0.0050	0.0010	0.0012
1031-07-8	Endosulfan sulfate	0.00599		0.0050	0.0010	0.0011
72-20-8	Endrin	0.00564		0.0050	0.0010	0.0011
7421-93-4	Endrin aldehyde	0.00586		0.0050	0.0010	0.0011
53494-70-5	Endrin ketone	0.00580		0.0050	0.0010	0.00078
58-89-9	gamma-BHC (Lindane)	0.00579		0.0050	0.0010	0.00064
5103-74-2	gamma-Chlordane	0.00623		0.0050	0.0010	0.0012
76-44-8	Heptachlor	0.00576		0.0050	0.0010	0.00080
1024-57-3	Heptachlor epoxide	0.00635		0.0050	0.0010	0.00071
72-43-5	Methoxychlor	0.00580	J	0.010	0.0030	0.0032

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112756.D
Lims ID: MRL Client ID:
Inject. Date: 29-Nov-2012 03:03:52 Dil. Factor: 1.0000
Sample Type: MRL
Sample ID: 240-0015316-056
Misc. Info.:
Operator: 093905 Instrument ID: A2HP9
Injection Vol: 1.0 ul ALS Bottle#: 56
Lims Batch ID: 66500 Lims Sample ID: 56
Detector 1 : GC ECD1A
Detector 2 : GC ecd2b

Method: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\PEST9.m
Last Update: 29-Nov-2012 11:22:01 Calib Date: 28-Nov-2012 08:42:02
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112716.D
Limit Group: GC 8081 D0D ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK034

First Level Reviewer: vandorenc Date: 29-Nov-2012 10:18:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 29 Tetrachloro-m-xylene									
1	100		3.539						
2	100		4.139						
12 Diallate									
1	100		4.009						
1	2		4.188						
2	100		4.664						
2	2		4.769						
24 Hexachlorobenzene									
1	100		4.012						
2	100		4.758						
5 alpha-BHC									
1	100	4.225	4.224	0.001	20276666	0.006399			
2	100	4.978	4.979	-0.001	58775837	0.005913			
						RPD = 7.90			
20 gamma-BHC (Lindane)									
1	100	4.604	4.604	0.000	16370204	0.006071			
2	100	5.547	5.548	-0.001	48019707	0.005790			
						RPD = 4.75			
7 beta-BHC									
1	100	4.738	4.738	0.000	7769508	0.006517			
2	100	5.727	5.727	0.000	24048282	0.006670			
						RPD = 2.31			
11 delta-BHC									
1	100	4.957	4.955	0.002	15458925	0.005961			
2	100	6.293	6.293	0.000	44821150	0.005664			
						RPD = 5.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
8 Chlordane (technical)									
1	100		5.128						
1	2		6.001						
1	3		7.275						
1	4		7.620						
2	100		6.092						
2	2		7.625						
2	3		9.025						
2	4		9.334						
22 Heptachlor									
1	100	5.243	5.243	0.000	13900977	0.005704			
2	100	6.393	6.394	-0.001	41094994	0.005755			
						RPD = 0.89			
4 Aldrin									
1	100	5.704	5.704	0.000	19773704	0.006664			
2	100	7.132	7.131	0.001	53950491	0.006567			
						RPD = 1.47			
25 Isodrin									
1	100		6.304						
2	100		8.124						
23 Heptachlor epoxide									
1	100	6.962	6.961	0.001	15610588	0.006332			
2	100	8.605	8.606	-0.001	43401357	0.006353			
						RPD = 0.33			
21 gamma-Chlordane									
1	100	7.276	7.275	0.001	16552656	0.006264			
2	100	9.026	9.026	0.000	43443260	0.006234			
						RPD = 0.49			
6 alpha-Chlordane									
1	100	7.625	7.624	0.001	17270022	0.006365			
2	100	9.333	9.335	-0.002	44406881	0.006310			
						RPD = 0.87			
14 Endosulfan I									
1	100	7.898	7.899	-0.001	14233116	0.006111			
2	100	9.396	9.396	0.000	35219598	0.006115			
						RPD = 0.06			
2 4,4'-DDE									
1	100	7.997	7.996	0.001	17591960	0.006078			
2	100	9.786	9.787	-0.001	42705431	0.005926			
						RPD = 2.53			
13 Dieldrin									
1	100	8.454	8.454	0.000	14692225	0.006048			
2	100	9.925	9.926	-0.001	38284902	0.006060			
						RPD = 0.20			
17 Endrin									
1	100	8.908	8.908	0.000	13001218	0.005822			
2	100	10.443	10.445	-0.002	32808991	0.005639			
						RPD = 3.19			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
26 Kepone									
1	100		9.002						
2	100		10.667						
9 Chlorobenzilate									
1	100		9.231						
2	100		10.524						
1 4,4'-DDD									
1	100	9.264	9.262	0.002	10358292	0.005781			
2	100	10.808	10.809	-0.001	56391267	0.005749			
						RPD = 0.56			
15 Endosulfan II									
1	100	9.353	9.353	0.000	12662771	0.005971			
2	100	10.808	10.809	-0.001	56391267	0.005749			
						RPD = 3.79			
30 Toxaphene									1
1	100		9.483						
1	2		10.023						
1	3		10.091						
1	4		10.671						
1	5		11.233						
2	100		10.382						
2	2		11.399						
2	3		11.746						
2	4		12.148						
2	5		12.535						
3 4,4'-DDT									
1	100	9.781	9.779	0.002	7249599	0.005105			
2	100	11.292	11.292	0.000	17114448	0.005140			
						RPD = 0.69			
18 Endrin aldehyde									
1	100	10.142	10.142	0.000	9162956	0.005820			
2	100	11.382	11.384	-0.002	22405854	0.005857			
						RPD = 0.63			
28 Mirex									
1	100		10.476						
2	100		12.377						
27 Methoxychlor									
1	100	10.722	10.721	0.001	4013905	0.005905			
2	100	12.364	12.365	-0.001	9637592	0.005798			
						RPD = 1.83			
16 Endosulfan sulfate									
1	100	10.862	10.860	0.002	10869223	0.006293			
2	100	11.813	11.814	-0.001	25846993	0.005991			
						RPD = 4.92			
19 Endrin ketone									
1	100	11.259	11.260	-0.001	11566580	0.006111			
2	100	12.551	12.552	-0.001	25418945	0.005798			
						RPD = 5.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 10 DCB Decachlorobiphenyl									
1	100		12.860						
2	100		14.324						

QC Flag Legend

Processing Flags
1 - Missing Peaks

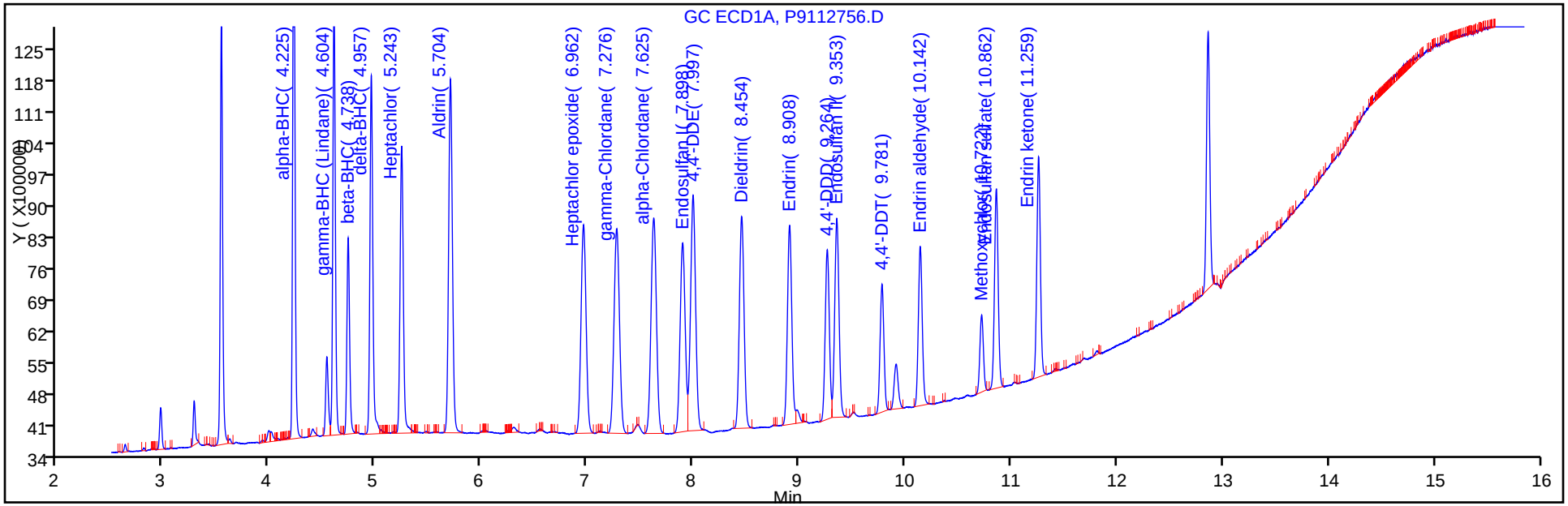
Report Date: 29-Nov-2012 11:22:03 Chrom Revision: 2.0 27-Nov-2012 13:14:12

TestAmerica Canton

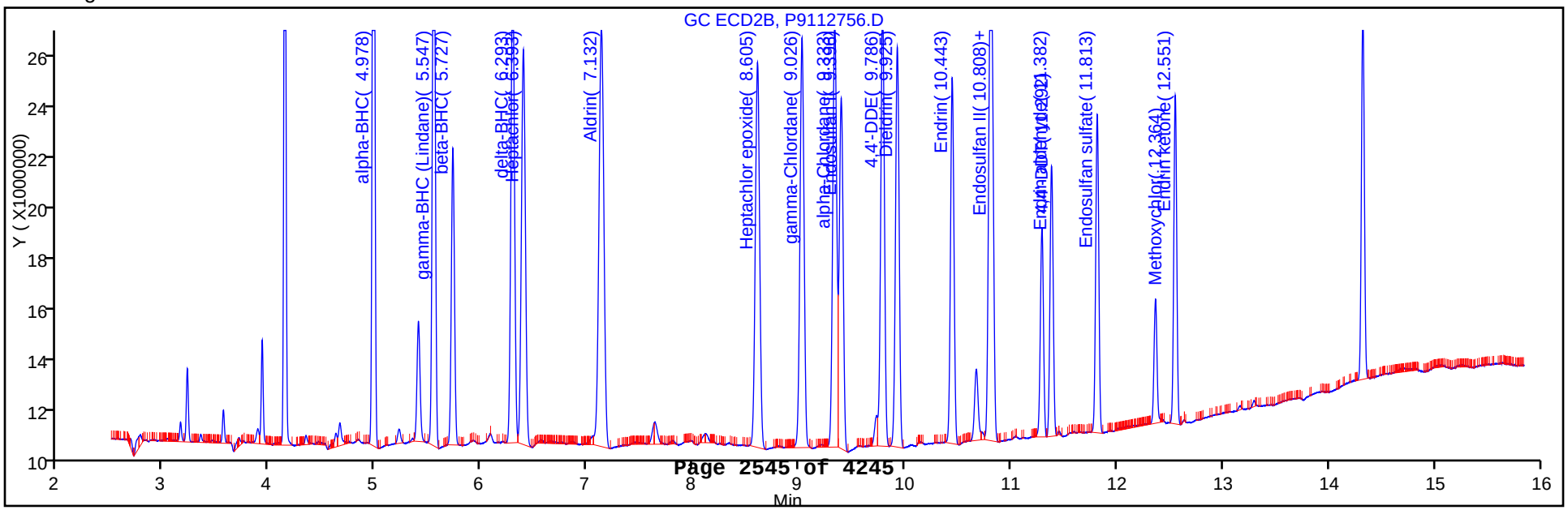
Data File: \\Ncchrom\ChromData\A2HP9\20121127-15316.b\P9112756.D

Injection Date:	29-Nov-2012 03:03:52	Limit Group:	GC 8081 D0D ICAL
Client ID:		Instrument ID:	A2HP9
Lims Batch ID:	66500	Lims Sample ID:	56
Operator ID:	093905	Injection Vol:	1.0 ul
Column Type:		Column Dia:	

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP9 Start Date: 11/28/2012 03:23

Analysis Batch Number: 66500 End Date: 11/29/2012 03:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-66500/4		11/28/2012 03:23	1	P9112704.D	CLP-1 0.53(mm)
PEM 240-66500/4		11/28/2012 03:23	1	P9112704.D	CLP-2 0.53(mm)
STD 240-66500/5 IC		11/28/2012 03:51	1	P9112705.D	CLP-1 0.53(mm)
STD 240-66500/5 IC		11/28/2012 03:51	1	P9112705.D	CLP-2 0.53(mm)
STD 240-66500/6 IC		11/28/2012 04:19	1	P9112706.D	CLP-1 0.53(mm)
STD 240-66500/6 IC		11/28/2012 04:19	1	P9112706.D	CLP-2 0.53(mm)
STD 240-66500/7 ICRT		11/28/2012 04:47	1	P9112707.D	CLP-1 0.53(mm)
STD 240-66500/7 ICRT		11/28/2012 04:47	1	P9112707.D	CLP-2 0.53(mm)
STD 240-66500/8 IC		11/28/2012 05:11	1	P9112708.D	CLP-1 0.53(mm)
STD 240-66500/8 IC		11/28/2012 05:11	1	P9112708.D	CLP-2 0.53(mm)
STD 240-66500/9 IC		11/28/2012 05:30	1	P9112709.D	CLP-1 0.53(mm)
STD 240-66500/9 IC		11/28/2012 05:30	1	P9112709.D	CLP-2 0.53(mm)
STD 240-66500/10 IC		11/28/2012 05:55	1	P9112710.D	CLP-1 0.53(mm)
STD 240-66500/10 IC		11/28/2012 05:55	1	P9112710.D	CLP-2 0.53(mm)
ICV 240-66500/11		11/28/2012 06:22	1	P9112711.D	CLP-1 0.53(mm)
ICV 240-66500/11		11/28/2012 06:22	1	P9112711.D	CLP-2 0.53(mm)
STD 240-66500/12 IC		11/28/2012 06:50	1	P9112712.D	CLP-1 0.53(mm)
STD 240-66500/12 IC		11/28/2012 06:50	1	P9112712.D	CLP-2 0.53(mm)
STD 240-66500/13 IC		11/28/2012 07:18	1	P9112713.D	CLP-1 0.53(mm)
STD 240-66500/13 IC		11/28/2012 07:18	1	P9112713.D	CLP-2 0.53(mm)
STD 240-66500/14 IC		11/28/2012 07:46	1	P9112714.D	CLP-1 0.53(mm)
STD 240-66500/14 IC		11/28/2012 07:46	1	P9112714.D	CLP-2 0.53(mm)
STD 240-66500/15 IC		11/28/2012 08:14	1	P9112715.D	CLP-1 0.53(mm)
STD 240-66500/15 IC		11/28/2012 08:14	1	P9112715.D	CLP-2 0.53(mm)
STD 240-66500/16 IC		11/28/2012 08:42	1	P9112716.D	CLP-1 0.53(mm)
STD 240-66500/16 IC		11/28/2012 08:42	1	P9112716.D	CLP-2 0.53(mm)
ICV 240-66500/17		11/28/2012 09:09	1	P9112717.D	CLP-1 0.53(mm)
ICV 240-66500/17		11/28/2012 09:09	1	P9112717.D	CLP-2 0.53(mm)
MRL 240-66500/18		11/28/2012 09:37	1	P9112718.D	CLP-1 0.53(mm)
MRL 240-66500/18		11/28/2012 09:37	1	P9112718.D	CLP-2 0.53(mm)
ZZZZZ		11/28/2012 10:05	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 10:05	1		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 10:32	5		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 10:32	5		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 11:00	5		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 11:00	5		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 11:28	5		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 11:28	5		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 11:56	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 11:56	1		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 12:24	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 12:24	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 12:48	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 12:48	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 13:16	20		CLP-1 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP9 Start Date: 11/28/2012 03:23

Analysis Batch Number: 66500 End Date: 11/29/2012 03:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/28/2012 13:16	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 13:44	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 13:44	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 14:12	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 14:12	1		CLP-2 0.53(mm)
PEM 240-66500/29		11/28/2012 14:40	1	P9112729.D	CLP-1 0.53(mm)
PEM 240-66500/29		11/28/2012 14:40	1	P9112729.D	CLP-2 0.53(mm)
CCV 240-66500/30		11/28/2012 15:08	1	P9112730.D	CLP-1 0.53(mm)
CCV 240-66500/30		11/28/2012 15:08	1	P9112730.D	CLP-2 0.53(mm)
ZZZZZ		11/28/2012 15:36	1		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 15:36	1		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 16:04	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 16:04	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 16:31	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 16:31	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 16:59	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 16:59	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 17:27	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 17:27	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 17:55	50		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 17:55	50		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 18:24	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 18:24	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 18:52	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 18:52	10		CLP-2 0.53(mm)
240-17796-20	076-0067-0001-ER	11/28/2012 19:19	1	P9112739.D	CLP-1 0.53(mm)
240-17796-20	076-0067-0001-ER	11/28/2012 19:19	1	P9112739.D	CLP-2 0.53(mm)
MB 240-65900/9-A		11/28/2012 19:47	1	P9112740.D	CLP-1 0.53(mm)
MB 240-65900/9-A		11/28/2012 19:47	1	P9112740.D	CLP-2 0.53(mm)
CCV 240-66500/41		11/28/2012 20:15	1	P9112741.D	CLP-1 0.53(mm)
CCV 240-66500/41		11/28/2012 20:15	1	P9112741.D	CLP-2 0.53(mm)
ZZZZZ		11/28/2012 20:43	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 20:43	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 21:11	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 21:11	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 21:38	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 21:38	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 22:06	20		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 22:06	20		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 22:34	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 22:34	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 23:00	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 23:00	10		CLP-2 0.53(mm)
ZZZZZ		11/28/2012 23:27	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 23:27	10		CLP-2 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Instrument ID: A2HP9 Start Date: 11/28/2012 03:23

Analysis Batch Number: 66500 End Date: 11/29/2012 03:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/28/2012 23:54	10		CLP-1 0.53(mm)
ZZZZZ		11/28/2012 23:54	10		CLP-2 0.53(mm)
ZZZZZ		11/29/2012 00:21	10		CLP-1 0.53(mm)
ZZZZZ		11/29/2012 00:21	10		CLP-2 0.53(mm)
ZZZZZ		11/29/2012 00:47	1		CLP-1 0.53(mm)
ZZZZZ		11/29/2012 00:47	1		CLP-2 0.53(mm)
CCV 240-66500/52		11/29/2012 01:13	1	P9112752.D	CLP-1 0.53(mm)
CCV 240-66500/52		11/29/2012 01:13	1	P9112752.D	CLP-2 0.53(mm)
CCV 240-66500/53		11/29/2012 01:41	1	P9112753.D	CLP-1 0.53(mm)
CCV 240-66500/53		11/29/2012 01:41	1	P9112753.D	CLP-2 0.53(mm)
LCS 240-65900/10-A		11/29/2012 02:08	1	P9112754.D	CLP-1 0.53(mm)
LCS 240-65900/10-A		11/29/2012 02:08	1	P9112754.D	CLP-2 0.53(mm)
CCV 240-66500/55		11/29/2012 02:36	1	P9112755.D	CLP-1 0.53(mm)
CCV 240-66500/55		11/29/2012 02:36	1	P9112755.D	CLP-2 0.53(mm)
MRL 240-66500/56		11/29/2012 03:03	1	P9112756.D	CLP-1 0.53(mm)
MRL 240-66500/56		11/29/2012 03:03	1	P9112756.D	CLP-2 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Batch Number: 65900 Batch Start Date: 11/21/12 12:15 Batch Analyst: Matthews, Brandon

Batch Method: 3520C Batch End Date: 11/22/12 06:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	EX2/.2SURRW 00019	EXPSTNPDESSPW 00011	AnalysisComment
240-17796-D-20	076-0067-0001-ER	3520C, 8081/DOD	T	1040 mL	5 mL	7	1 mL		Assoc w/65899
MB 240-65900/9		3520C, 8081/DOD		1000 mL	5 mL	7	1 mL		Assoc w/65899
LCS 240-65900/10		3520C, 8081/DOD		1000 mL	5 mL	7	1 mL	0.5 mL	

Batch Notes	
Exchange Solvent Lot #	671345
Na2SO4 Lot Number	677240
Prep Solvent Lot #	723532

Basis	Basis Description
T	Total/NA

Method 8082 DOD

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
076SB-0053M-0001-SO	240-17796-9	71	69	75	72
076SS-0007M-0001-SO	240-17796-10	78	72	157 Q	84 M
076SB-0054M-0001-SO	240-17796-11	79	74	82	73
076SB-0055M-0001-SO	240-17796-12	82	75	85	76
076SB-0056M-0001-SO	240-17796-13	84	77	86	76
076SB-0057M-0001-SO	240-17796-14	64	62	64	58 Q
076SB-0058M-0001-SO	240-17796-15	77	73	84	76
076SB-0059M-0001-SO	240-17796-16	90	80	98	85
	MB 240-66777/20-A	88	83	93	90
	LCS 240-66777/21-A	75	75	79	75
076SB-0059M-0001-SO MS	240-17796-16 MS	88	85	105	92
076SB-0059M-0001-SO MSD	240-17796-16 MSD	87	81	99	87

	QC LIMITS
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	60-125

Column to be used to flag recovery values

FORM II 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
076SW-0013-0001-SW	240-17796-17	82	75	52	51
076SW-0014-0001-SW	240-17796-18	74	67	52	50
076SW-0015-0001-SW	240-17796-19	77	67	47	46
076-0067-0001-ER	240-17796-20	81	73	72	69
	MB 240-65899/8-A	79	73	71	61
	MB 240-66426/4-A	84	75	69	67
	LCS 240-65899/9-A	68	65	79	71
	LCS 240-66426/5-A	85	73	79	77
076SW-0013-0001-SW MS	240-17796-17 MS	79	73	45	44
076SW-0013-0001-SW MSD	240-17796-17 MSD	79	70	48	49

	QC LIMITS
TCX = Tetrachloro-m-xylene	40-140
DCB = DCB Decachlorobiphenyl	40-135

Column to be used to flag recovery values

FORM II 8082/DOD

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): CLP-1 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
	MRL 240-66171/10	109	116	117	114
	MRL 240-66171/21	116	118	115	128
	MRL 240-66802/4	105	112	107	100
	MRL 240-66802/11	111	116	107	107
	MRL 240-67173/10	115	114	108	115
	MRL 240-67173/32	107	115	112	114

	QC LIMITS
TCX = Tetrachloro-m-xylene	50-150
DCB = DCB Decachlorobiphenyl	50-150

Column to be used to flag recovery values

FORM II 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300019.D

Lab ID: LCS 240-65899/9-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	5.00	4.22	84	25-145	
Aroclor-1260	5.00	4.49	90	30-145	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300009.D

Lab ID: LCS 240-66426/5-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	5.00	4.34	87	25-145	
Aroclor-1260	5.00	4.67	93	30-145	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1300030.D

Lab ID: LCS 240-66777/21-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	245	74	40-140	
Aroclor-1260	333	265	79	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300010.D

Lab ID: MRL 240-66171/10 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0540	108	70-130	
Aroclor-1016	0.0500	0.0588	118	70-130	
Aroclor-1260	0.0500	0.0549	110	70-130	
Aroclor-1260	0.0500	0.0497 J	99	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300021.D

Lab ID: MRL 240-66171/21 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0666	133	70-130	^
Aroclor-1016	0.0500	0.0561	112	70-130	
Aroclor-1260	0.0500	0.0585	117	70-130	
Aroclor-1260	0.0500	0.0503	101	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300004.D

Lab ID: MRL 240-66802/4 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0552	110	70-130	
Aroclor-1016	0.0500	0.0579	116	70-130	
Aroclor-1260	0.0500	0.0515	103	70-130	
Aroclor-1260	0.0500	0.0457 J	91	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300011.D

Lab ID: MRL 240-66802/11 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0561	112	70-130	
Aroclor-1016	0.0500	0.0578	116	70-130	
Aroclor-1260	0.0500	0.0556	111	70-130	
Aroclor-1260	0.0500	0.0488 J	98	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300010.D

Lab ID: MRL 240-67173/10 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0819	164	70-130	^
Aroclor-1016	0.0500	0.0546	109	70-130	
Aroclor-1260	0.0500	0.0551	110	70-130	
Aroclor-1260	0.0500	0.0429 J	86	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1300032.D

Lab ID: MRL 240-67173/32 Client ID:

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Aroclor-1016	0.0500	0.0594	119	70-130	
Aroclor-1016	0.0500	0.0550	110	70-130	
Aroclor-1260	0.0500	0.0559	112	70-130	
Aroclor-1260	0.0500	0.0438 J	88	70-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1300028.D

Lab ID: 240-17796-16 MS Client ID: 076SB-0059M-0001-SO MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	333	25 U	318	96	40-140	
Aroclor-1260	333	25 U	328	99	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P1300029.D

Lab ID: 240-17796-16 MSD Client ID: 076SB-0059M-0001-SO MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	336	316	94	1	30	40-140	
Aroclor-1260	336	317	94	3	30	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082/DOD

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: MB 240-65899/8-A

Matrix: Water Date Extracted: 11/21/2012 09:48

Lab File ID:(1) P1300018.D Lab File ID:(2) P1300018.D

Date Analyzed:(1) 11/24/2012 23:31 Date Analyzed:(2) 11/24/2012 23:31

Instrument ID:(1) A2HP13 Instrument ID:(2) A2HP13

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
076SW-0014-0001-SW	240-17796-18	11/24/2012 22:32	11/24/2012 22:32
076SW-0015-0001-SW	240-17796-19	11/24/2012 22:47	11/24/2012 22:47
076-0067-0001-ER	240-17796-20	11/24/2012 23:02	11/24/2012 23:02
	LCS 240-65899/9-A	11/24/2012 23:46	11/24/2012 23:46

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: MB 240-66426/4-A

Matrix: Water Date Extracted: 11/27/2012 10:47

Lab File ID:(1) P1300008.D Lab File ID:(2) P1300008.D

Date Analyzed:(1) 11/30/2012 18:05 Date Analyzed:(2) 11/30/2012 18:05

Instrument ID:(1) A2HP13 Instrument ID:(2) A2HP13

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
076SW-0013-0001-SW	240-17796-17	11/30/2012 17:20	11/30/2012 17:20
076SW-0013-0001-SW MS	240-17796-17 MS	11/30/2012 17:35	11/30/2012 17:35
076SW-0013-0001-SW MSD	240-17796-17 MSD	11/30/2012 17:50	11/30/2012 17:50
	LCS 240-66426/5-A	11/30/2012 18:20	11/30/2012 18:20

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Lab Sample ID: MB 240-66777/20-A

Matrix: Solid Date Extracted: 11/29/2012 11:28

Lab File ID:(1) P1300020.D Lab File ID:(2) P1300020.D

Date Analyzed:(1) 12/04/2012 05:57 Date Analyzed:(2) 12/04/2012 05:57

Instrument ID:(1) A2HP13 Instrument ID:(2) A2HP13

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) CLP-1 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
076SB-0053M-0001-SO	240-17796-9	12/04/2012 05:27	12/04/2012 05:27
076SS-0007M-0001-SO	240-17796-10	12/04/2012 05:42	12/04/2012 05:42
076SB-0054M-0001-SO	240-17796-11	12/04/2012 06:27	12/04/2012 06:27
076SB-0055M-0001-SO	240-17796-12	12/04/2012 06:42	12/04/2012 06:42
076SB-0056M-0001-SO	240-17796-13	12/04/2012 06:57	12/04/2012 06:57
076SB-0057M-0001-SO	240-17796-14	12/04/2012 07:12	12/04/2012 07:12
076SB-0058M-0001-SO	240-17796-15	12/04/2012 07:27	12/04/2012 07:27
076SB-0059M-0001-SO	240-17796-16	12/04/2012 07:42	12/04/2012 07:42
076SB-0059M-0001-SO MS	240-17796-16 MS	12/04/2012 07:56	12/04/2012 07:56
076SB-0059M-0001-SO MSD	240-17796-16 MSD	12/04/2012 08:11	12/04/2012 08:11
	LCS 240-66777/21-A	12/04/2012 08:26	12/04/2012 08:26

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: CCV 240-66171/3 Date Analyzed: 11/24/2012 19:48

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12036

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.29	7.07	
UPPER LIMIT				1.39	7.17	
LOWER LIMIT				1.19	6.97	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66171/3 CCVRT		11/24/2012 19:48	P1300003.D	1.29	7.07	
240-17796-18	076SW-0014-0001-SW	11/24/2012 22:32	P1300014.D	1.29	7.07	
240-17796-19	076SW-0015-0001-SW	11/24/2012 22:47	P1300015.D	1.30	7.07	
240-17796-20	076-0067-0001-ER	11/24/2012 23:02	P1300016.D	1.29	7.07	
MB 240-65899/8-A		11/24/2012 23:31	P1300018.D	1.29	7.07	
LCS 240-65899/9-A		11/24/2012 23:46	P1300019.D	1.29	7.07	
CCV 240-66171/20		11/25/2012 00:01	P1300020.D	1.29	7.07	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: CCV 240-66171/3 Date Analyzed: 11/24/2012 19:48

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12037

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.65	8.22	
UPPER LIMIT				1.75	8.32	
LOWER LIMIT				1.55	8.12	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66171/3 CCVRT		11/24/2012 19:48	P1300003.D	1.65	8.22	
240-17796-18	076SW-0014-0001-SW	11/24/2012 22:32	P1300014.D	1.65	8.22	
240-17796-19	076SW-0015-0001-SW	11/24/2012 22:47	P1300015.D	1.65	8.22	
240-17796-20	076-0067-0001-ER	11/24/2012 23:02	P1300016.D	1.65	8.22	
MB 240-65899/8-A		11/24/2012 23:31	P1300018.D	1.65	8.22	
LCS 240-65899/9-A		11/24/2012 23:46	P1300019.D	1.65	8.22	
CCV 240-66171/20		11/25/2012 00:01	P1300020.D	1.65	8.22	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: CCV 240-66802/3 Date Analyzed: 11/30/2012 16:51

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12036

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.29	7.07	
UPPER LIMIT				1.39	7.17	
LOWER LIMIT				1.19	6.97	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66802/3 CCVRT		11/30/2012 16:51	P1300003.D	1.29	7.07	
240-17796-17	076SW-0013-0001-SW	11/30/2012 17:20	P1300005.D	1.29	7.06	
240-17796-17 MS	076SW-0013-0001-SW MS	11/30/2012 17:35	P1300006.D	1.29	7.06	
240-17796-17 MSD	076SW-0013-0001-SW MSD	11/30/2012 17:50	P1300007.D	1.29	7.06	
MB 240-66426/4-A		11/30/2012 18:05	P1300008.D	1.29	7.07	
LCS 240-66426/5-A		11/30/2012 18:20	P1300009.D	1.29	7.07	
CCV 240-66802/10		11/30/2012 18:35	P1300010.D	1.29	7.07	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: CCV 240-66802/3 Date Analyzed: 11/30/2012 16:51

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12037

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.65	8.22	
UPPER LIMIT				1.75	8.32	
LOWER LIMIT				1.55	8.12	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-66802/3 CCVRT		11/30/2012 16:51	P1300003.D	1.65	8.22	
240-17796-17	076SW-0013-0001-SW	11/30/2012 17:20	P1300005.D	1.65	8.22	
240-17796-17 MS	076SW-0013-0001-SW MS	11/30/2012 17:35	P1300006.D	1.65	8.22	
240-17796-17 MSD	076SW-0013-0001-SW MSD	11/30/2012 17:50	P1300007.D	1.65	8.22	
MB 240-66426/4-A		11/30/2012 18:05	P1300008.D	1.65	8.22	
LCS 240-66426/5-A		11/30/2012 18:20	P1300009.D	1.65	8.22	
CCV 240-66802/10		11/30/2012 18:35	P1300010.D	1.65	8.22	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: CCV 240-67173/3 Date Analyzed: 12/04/2012 01:36

Instrument ID: A2HP13 GC Column: CLP-1 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12036

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.29	7.06	
UPPER LIMIT				1.39	7.16	
LOWER LIMIT				1.19	6.96	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-67173/3 CCVRT		12/04/2012 01:36	P1300003.D	1.29	7.06	
240-17796-9	076SB-0053M-0001-SO	12/04/2012 05:27	P1300018.D	1.29	7.06	
240-17796-10	076SS-0007M-0001-SO	12/04/2012 05:42	P1300019.D	1.29	7.06	
MB 240-66777/20-A		12/04/2012 05:57	P1300020.D	1.29	7.06	
CCV 240-67173/21		12/04/2012 06:12	P1300021.D	1.29	7.06	
240-17796-11	076SB-0054M-0001-SO	12/04/2012 06:27	P1300022.D	1.29	7.06	
240-17796-12	076SB-0055M-0001-SO	12/04/2012 06:42	P1300023.D	1.29	7.06	
240-17796-13	076SB-0056M-0001-SO	12/04/2012 06:57	P1300024.D	1.29	7.06	
240-17796-14	076SB-0057M-0001-SO	12/04/2012 07:12	P1300025.D	1.29	7.06	
240-17796-15	076SB-0058M-0001-SO	12/04/2012 07:27	P1300026.D	1.29	7.06	
240-17796-16	076SB-0059M-0001-SO	12/04/2012 07:42	P1300027.D	1.29	7.06	
240-17796-16 MS	076SB-0059M-0001-SO MS	12/04/2012 07:56	P1300028.D	1.29	7.06	
240-17796-16 MSD	076SB-0059M-0001-SO MSD	12/04/2012 08:11	P1300029.D	1.29	7.06	
LCS 240-66777/21-A		12/04/2012 08:26	P1300030.D	1.29	7.06	
CCV 240-67173/31		12/04/2012 08:41	P1300031.D	1.29	7.06	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Sample No.: CCV 240-67173/3 Date Analyzed: 12/04/2012 01:36

Instrument ID: A2HP13 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P1300003.D Heated Purge: (Y/N) N

Calibration ID: 12037

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.65	8.22	
UPPER LIMIT				1.75	8.32	
LOWER LIMIT				1.55	8.12	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-67173/3 CCVRT		12/04/2012 01:36	P1300003.D	1.65	8.22	
240-17796-9	076SB-0053M-0001-SO	12/04/2012 05:27	P1300018.D	1.65	8.22	
240-17796-10	076SS-0007M-0001-SO	12/04/2012 05:42	P1300019.D	1.65	8.23	
MB 240-66777/20-A		12/04/2012 05:57	P1300020.D	1.65	8.22	
CCV 240-67173/21		12/04/2012 06:12	P1300021.D	1.65	8.22	
240-17796-11	076SB-0054M-0001-SO	12/04/2012 06:27	P1300022.D	1.65	8.22	
240-17796-12	076SB-0055M-0001-SO	12/04/2012 06:42	P1300023.D	1.65	8.22	
240-17796-13	076SB-0056M-0001-SO	12/04/2012 06:57	P1300024.D	1.65	8.22	
240-17796-14	076SB-0057M-0001-SO	12/04/2012 07:12	P1300025.D	1.65	8.22	
240-17796-15	076SB-0058M-0001-SO	12/04/2012 07:27	P1300026.D	1.65	8.22	
240-17796-16	076SB-0059M-0001-SO	12/04/2012 07:42	P1300027.D	1.65	8.22	
240-17796-16 MS	076SB-0059M-0001-SO MS	12/04/2012 07:56	P1300028.D	1.65	8.22	
240-17796-16 MSD	076SB-0059M-0001-SO MSD	12/04/2012 08:11	P1300029.D	1.65	8.22	
LCS 240-66777/21-A		12/04/2012 08:26	P1300030.D	1.65	8.22	
CCV 240-67173/31		12/04/2012 08:41	P1300031.D	1.65	8.22	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.1 minutes of surrogate RT
DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082/DOD

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SS-0007M-0001-SO Lab Sample ID: 240-17796-10

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 12/04/2012 05:42 Date Analyzed (2): 12/04/2012 05:42

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1260	1	1	5.14	5.09	5.19	17.3	24	12.7
		2	5.38	5.33	5.43	22.2		
		3	5.77	5.72	5.82	26.2		
		5	6.90	6.86	6.96	30.4		
	2	1	4.17	4.12	4.22	16.6	27	
		2	4.48	4.43	4.53	29.3		
		3	4.77	4.73	4.83	31.6		
		4	5.53	5.48	5.58	27.4		
		5	5.83	5.78	5.88	31.4		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0059M-0001-SO MS Lab Sample ID: 240-17796-16 MS

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 12/04/2012 07:56 Date Analyzed (2): 12/04/2012 07:56

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.09	2.19	291	318	6.3
		2	2.57	2.52	2.62	326		
		3	3.05	3.00	3.10	346		
		4	3.20	3.15	3.25	325		
		5	3.85	3.80	3.90	302		
	2	2	1.90	1.85	1.95	329	299	
		3	2.33	2.28	2.38	293		
		4	2.47	2.41	2.51	215		
		5	2.87	2.82	2.92	358		
Aroclor-1260	1	1	5.14	5.09	5.19	298	328	12.2
		2	5.38	5.33	5.43	340		
		3	5.77	5.72	5.82	323		
		4	6.50	6.45	6.55	346		
		5	6.91	6.86	6.96	332		
	2	1	4.16	4.12	4.22	277	290	
		2	4.47	4.43	4.53	287		
		3	4.77	4.72	4.82	288		
		4	5.53	5.48	5.58	296		
		5	5.83	5.78	5.88	301		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SB-0059M-0001-SO MSD Lab Sample ID: 240-17796-16 MSD

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 12/04/2012 08:11 Date Analyzed (2): 12/04/2012 08:11

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.09	2.19	283	316	4.5
		2	2.57	2.52	2.62	323		
		3	3.05	3.00	3.10	342		
		4	3.20	3.15	3.25	328		
		5	3.85	3.80	3.90	305		
	2	2	1.90	1.85	1.95	325	331	
		3	2.33	2.28	2.38	291		
		5	2.87	2.82	2.92	376		
Aroclor-1260	1	1	5.13	5.09	5.19	295	317	11.8
		2	5.38	5.33	5.43	330		
		3	5.77	5.72	5.82	312		
		4	6.50	6.45	6.55	335		
		5	6.91	6.86	6.96	312		
	2	1	4.17	4.12	4.22	273	282	
		2	4.47	4.43	4.53	281		
		3	4.77	4.72	4.82	279		
		4	5.52	5.48	5.58	287		
		5	5.83	5.78	5.88	289		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SW-0013-0001-SW MS Lab Sample ID: 240-17796-17 MS

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/30/2012 17:35 Date Analyzed (2): 11/30/2012 17:35

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.09	2.19	3.89	4.04	8.3
		2	2.57	2.52	2.62	4.03		
		3	3.05	3.00	3.10	4.53		
		4	3.20	3.15	3.25	4.36		
		5	3.85	3.80	3.90	3.40		
	2	1	1.59	1.54	1.64	3.43	3.72	
		2	1.90	1.85	1.95	3.76		
		3	2.33	2.28	2.38	3.92		
		4	2.46	2.41	2.51	3.82		
		5	2.87	2.82	2.92	3.67		
Aroclor-1260	1	1	5.14	5.09	5.19	3.41	3.21	6.6
		2	5.38	5.33	5.43	3.49		
		3	5.77	5.72	5.82	3.36		
		4	6.51	6.46	6.56	2.98		
		5	6.91	6.86	6.96	2.79		
	2	1	4.17	4.12	4.22	3.19	3.00	
		2	4.47	4.43	4.53	3.12		
		3	4.77	4.73	4.83	3.13		
		4	5.53	5.48	5.58	2.81		
		5	5.83	5.78	5.88	2.75		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: 076SW-0013-0001-SW MSD Lab Sample ID: 240-17796-17 MSD

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/30/2012 17:50 Date Analyzed (2): 11/30/2012 17:50

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.09	2.19	3.85	3.91	9.6
		2	2.57	2.52	2.62	3.91		
		3	3.05	3.00	3.10	4.33		
		4	3.20	3.15	3.25	3.96		
		5	3.85	3.80	3.90	3.49		
	2	1	1.59	1.54	1.64	3.23	3.55	
		2	1.90	1.85	1.95	3.51		
		3	2.33	2.28	2.38	3.91		
		4	2.46	2.41	2.51	3.69		
		5	2.87	2.82	2.92	3.42		
Aroclor-1260	1	1	5.14	5.09	5.19	3.34	3.25	7.6
		2	5.38	5.33	5.43	3.52		
		3	5.77	5.72	5.82	3.34		
		4	6.50	6.46	6.56	3.10		
		5	6.91	6.86	6.96	2.93		
	2	1	4.17	4.12	4.22	3.13	3.01	
		2	4.48	4.43	4.53	3.10		
		3	4.78	4.73	4.83	3.09		
		4	5.53	5.48	5.58	2.89		
		5	5.83	5.78	5.88	2.83		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-65899/9-A

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/24/2012 23:46 Date Analyzed (2): 11/24/2012 23:46

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.10	2.20	4.60	4.22	15.2
		2	2.57	2.52	2.62	3.90		
		3	3.05	3.00	3.10	4.76		
		4	3.20	3.15	3.25	4.32		
		5	3.85	3.80	3.90	3.51		
	2	1	1.59	1.54	1.64	2.93	3.62	
		2	1.90	1.85	1.95	3.77		
		3	2.33	2.28	2.38	4.06		
		4	2.46	2.41	2.51	3.90		
		5	2.88	2.82	2.92	3.45		
Aroclor-1260	1	1	5.14	5.09	5.19	4.19	4.49	14.3
		2	5.38	5.34	5.44	4.60		
		3	5.77	5.72	5.82	4.42		
		4	6.51	6.46	6.56	4.71		
		5	6.91	6.86	6.96	4.52		
	2	1	4.17	4.12	4.22	3.83	3.89	
		2	4.48	4.43	4.53	3.80		
		3	4.78	4.73	4.83	3.84		
		4	5.53	5.48	5.58	3.96		
		5	5.83	5.78	5.88	4.03		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-66426/5-A

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 11/30/2012 18:20 Date Analyzed (2): 11/30/2012 18:20

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.15	2.09	2.19	4.24	4.34	7.7
		2	2.57	2.52	2.62	4.19		
		3	3.05	3.00	3.10	4.91		
		4	3.20	3.15	3.25	4.56		
		5	3.85	3.80	3.90	3.78		
	2	1	1.59	1.54	1.64	3.53	4.02	
		2	1.90	1.85	1.95	3.91		
		3	2.33	2.28	2.38	4.41		
		4	2.46	2.41	2.51	4.25		
		5	2.87	2.82	2.92	3.97		
Aroclor-1260	1	1	5.14	5.09	5.19	4.39	4.67	9.7
		2	5.39	5.33	5.43	4.86		
		3	5.77	5.72	5.82	4.62		
		4	6.51	6.46	6.56	4.83		
		5	6.91	6.86	6.96	4.66		
	2	1	4.17	4.12	4.22	4.15	4.24	
		2	4.48	4.43	4.53	4.21		
		3	4.78	4.73	4.83	4.23		
		4	5.53	5.48	5.58	4.40		
		5	5.83	5.78	5.88	4.21		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-17796-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-66777/21-A

Instrument ID (1): A2HP13 Instrument ID (2): A2HP13

Date Analyzed (1): 12/04/2012 08:26 Date Analyzed (2): 12/04/2012 08:26

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): CLP-1 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor-1016	1	1	2.14	2.09	2.19	228	245	8.6
		2	2.57	2.52	2.62	241		
		3	3.05	3.00	3.10	268		
		4	3.20	3.15	3.25	254		
		5	3.85	3.80	3.90	235		
	2	2	1.90	1.85	1.95	235	225	
		3	2.33	2.28	2.38	231		
		4	2.46	2.41	2.51	174		
		5	2.87	2.82	2.92	260		
Aroclor-1260	1	1	5.14	5.09	5.19	246	265	11.2
		2	5.38	5.33	5.43	272		
		3	5.77	5.72	5.82	261		
		4	6.50	6.45	6.55	277		
		5	6.91	6.86	6.96	269		
	2	1	4.17	4.12	4.22	237	237	
		2	4.47	4.43	4.53	243		
		3	4.77	4.72	4.82	228		
		4	5.52	5.48	5.58	224		
		5	5.83	5.78	5.88	253		